

# Mpox outbreak Factsheet and news

UPDATE OF 28 APRIL 2023

This document is composed of 3 different tabs: General information, Relevant news, and Scientific articles

The content and presentation of this document are subject to change as the situation evolves.

Every information presented comes from a valid and credible source.

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The "General information" tab presents an overview, case definitions, guidelines, reported cases

## Overview

<https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON385>

### Timeline

- On 07 May 2022, WHO was informed of a confirmed case of monkeypox in an individual who travelled from the UK to Nigeria and then returned to the UK on the 03 May.
- On 13 May 2022, WHO was notified of 2 laboratory confirmed cases and 1 probable case of monkeypox, from the same household, in the UK. On 15 May, 4 additional laboratory confirmed cases have been reported in gay, bisexual, and other men who have sex with men (GBMSM). In contrast to the previous imported cases, no source of infection has been confirmed as of today.
- Suspected or confirmed cases have since then been notified in other countries within EU/EAA, the Americas, Asia, UK, Israel and Australia. WHO/ECDC reported approximately 1285 confirmed cases as of 08 June 2022. The vaccination of high-risk contacts of cases has been recommended in several countries, including France.

### Epidemiology

- Monkeypox is a **sylvatic zoonosis** with incidental human infections that usually occur sporadically in forested parts of Central and West Africa, where it is considered endemic. It is caused by the monkeypox virus (orthopoxvirus family). The animal reservoir remains unknown, although it is likely to be among rodents.
- It can be **transmitted** by contact and droplet exposure via exhaled large droplets. Contact with live and dead animals through hunting and consumption of wild game or bush meat are known risk factors.
- The **incubation period** of monkeypox is usually from 6-13 days but can range 5-21 days.
- The **disease** is often self-limiting with symptoms usually resolving spontaneously in 14-21 days. Symptoms can be mild or severe, and lesions can be very itchy or painful.
- There are two clades of monkeypox virus, the West African clade and Congo Basin (Central African) clade. The case fatality ratio for the West African clade has been documented to be around 1%, whereas for the Congo Basin clade, it may be as high as 10%.
- Children are also at higher risk, and monkeypox during pregnancy may lead to complications, congenital monkeypox or stillbirth.
- A **vaccine** has been approved for prevention of monkeypox, and traditional smallpox vaccine also provides protection, though these vaccines are not widely available and populations worldwide under the age of 40 or 50 years no longer benefit from the protection afforded by prior smallpox vaccination programmes.
- Concerns about monkeypox becoming endemic in countries where it previously was not drives some recommendations, namely for infected people to avoid contact with pet animals.

## WHO surveillance case definitions for the current mpox outbreak in non-endemic countries (2022)

Source : <https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON385>

<b>Confirmed</b>	A case meeting the definition of either a suspected or probable case and is laboratory confirmed for monkeypox virus by detection of unique sequences of viral DNA either by RT-PCR and/or sequencing
<b>Probable</b>	<p>A person meeting the case definition for a suspected case</p> <p>AND one or more of the following:</p> <ul style="list-style-type: none"> <li>- has an epidemiological link (face-to-face exposure, including health workers without eye and respiratory protection); direct physical contact with skin or skin lesions, including sexual contact; or contact with contaminated materials such as clothing, bedding or utensils to a probable or confirmed case of monkeypox in the 21 days before symptom onset</li> <li>- reported travel history to a monkeypox endemic country in the 21 days before symptom onset</li> <li>- has had multiple or anonymous sexual partners in the 21 days before symptom onset</li> <li>- has a positive result of an orthopoxvirus serological assay, in the absence of smallpox vaccination or other known exposure to orthopoxviruses</li> <li>- is hospitalized due to the illness</li> </ul>
<b>Suspected</b>	<p>A person of any age presenting in a monkeypox non-endemic country with an unexplained acute rash</p> <ul style="list-style-type: none"> <li>- AND one or more of the following signs or symptoms, since 15 March 2022: headache, acute onset of fever (<math>&gt;38.5^{\circ}\text{C}</math>), lymphadenopathy (swollen lymph nodes), myalgia (muscle and body aches), back pain, asthenia (profound weakness)</li> <li>- AND for which the following common causes of acute rash do not explain the clinical picture: varicella zoster, herpes zoster, measles, Zika, dengue, chikungunya, herpes simplex, bacterial skin infections, disseminated gonococcus infection, primary or secondary syphilis, chancroid, lymphogranuloma venereum, granuloma inguinale, molluscum contagiosum, allergic reaction (e.g., to plants); and any other locally relevant common causes of papular or vesicular rash.</li> </ul> <p>N.B. It is not necessary to obtain negative laboratory results for listed common causes of rash illness in order to classify a case as suspected.</p>
<b>Discarded</b>	A suspected or probable case for which laboratory testing by PCR and/or sequencing is negative for monkeypox virus.

### Santé publique France case definition (19.05.2022)

Source : [https://www.santepubliquefrance.fr/content/download/437302/file/def\\_cas\\_CAT\\_monkeypox\\_19052022.pdf](https://www.santepubliquefrance.fr/content/download/437302/file/def_cas_CAT_monkeypox_19052022.pdf)

<b>Confirmed</b>	<ul style="list-style-type: none"> <li>- A positive monkeypox virus-specific qPCR or RT-PCR result, or</li> <li>- a positive generic Orthopoxvirus qPCR result in a person with recent risk of exposure to the monkeypox virus in the 3 weeks prior to the onset of signs (return from travel to an endemic area or signs (return from a trip to an endemic area or where virus is circulating, contact with a person returning from a trip to an endemic or where virus is circulating, contact person of a probable or confirmed case)</li> </ul>
<b>Probable</b>	A person who has experienced a felt or measured fever ( $> 38^{\circ}\text{C}$ ) followed by a vesicular rash suggestive of monkeypox, and who reports high or moderate risk contact with a confirmed or probable case in France, or a confirmed case in another country, in the 3 weeks preceding the onset of symptoms
<b>Suspected</b>	<ul style="list-style-type: none"> <li>- A felt or measured fever (<math>&gt;38^{\circ}\text{C}</math>), followed by a vesicular rash suggesting monkeypox, or</li> <li>- pneumonia or encephalitis without an identified cause with a history of a vesicular rash suggesting monkeypox at the beginning of the disease</li> </ul>

### Guidelines and practical information from French authorities, ECDC, and WHO

<b>22/12/2022</b>	Surveillance, case investigation and contact tracing for mpox (monkeypox): interim guidance, 22 December 2022	<a href="https://www.who.int/publications/i/item/WHO-MPX-Surveillance-2022.4">https://www.who.int/publications/i/item/WHO-MPX-Surveillance-2022.4</a>
<b>16/11/2022</b>	Vaccines and immunization for monkeypox: Interim guidance, 16 November 2022	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization">https://www.who.int/publications/i/item/WHO-MPX-Immunization</a>
<b>16/11/2022</b>	Background document for the SAGE October 2022 session on monkeypox vaccines	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization-Background-2022">https://www.who.int/publications/i/item/WHO-MPX-Immunization-Background-2022</a>
<b>11/10/2022</b>	Monkeypox : la HAS complète ses recommandations sur la vaccination	<a href="https://www.has-sante.fr/jcms/p_3376314/fr/monkeypox-la-has-complete-ses-recommandations-sur-la-vaccination">https://www.has-sante.fr/jcms/p_3376314/fr/monkeypox-la-has-complete-ses-recommandations-sur-la-vaccination</a>

05/10/2022	Monkeypox Strategic Preparedness, Readiness, and Response Plan (SPRP)	<a href="https://www.who.int/publications/m/item/monkeypox-strategic-preparedness--readiness--and-response-plan-(sprp)">https://www.who.int/publications/m/item/monkeypox-strategic-preparedness--readiness--and-response-plan-(sprp)</a>
15/09/2022	Réponses Rapides : infection par le virus Monkeypox – Prise en charge en médecine de 1er recours	<a href="https://www.has-sante.fr/jcms/p_3361191/fr/reponses-rapides-infection-par-le-virus-monkeypox-prise-en-charge-en-medecine-de-1er-recours#:~:text=R%C3%A9ponse%20Rapide%201%20%3A%20L'infection,%2C%20vaiselle...">https://www.has-sante.fr/jcms/p_3361191/fr/reponses-rapides-infection-par-le-virus-monkeypox-prise-en-charge-en-medecine-de-1er-recours#:~:text=R%C3%A9ponse%20Rapide%201%20%3A%20L'infection,%2C%20vaiselle...</a>
08/09/2022	Monkeypox (MPX) Reporting Protocol 2022	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022">https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022</a>
01/09/2022	Avis de l'Anses portant sur « des recommandations relatives à la réduction du risque de diffusion du virus Monkeypox aux animaux en France » - Deuxième partie	<a href="https://www.anses.fr/fr/system/files/SABA2022SA0102-1.pdf">https://www.anses.fr/fr/system/files/SABA2022SA0102-1.pdf</a>
24/08/2022	Vaccines and immunization for monkeypox: Interim guidance, 24 August 2022	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization-2022.2-eng">https://www.who.int/publications/i/item/WHO-MPX-Immunization-2022.2-eng</a>
19/08/2022	EMA's Emergency Task Force advises on intradermal use of Imvanex / Jynneos against monkeypox	<a href="https://www.ema.europa.eu/en/news/emas-emergency-task-force-advises-intradermal-use-imvanex-jynneos-against-monkeypox">https://www.ema.europa.eu/en/news/emas-emergency-task-force-advises-intradermal-use-imvanex-jynneos-against-monkeypox</a>
16/08/2022	Monkeypox infection prevention and control guidance for primary and acute care settings	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-infection-prevention-and-control-guidance-primary-and-acute-care">https://www.ecdc.europa.eu/en/publications-data/monkeypox-infection-prevention-and-control-guidance-primary-and-acute-care</a>
28/07/2022	Monkeypox : CORE protocol for an international adaptive multi-country clinical trial of the safety and efficacy of treatments for patients with monkeypox virus disease	<a href="https://www.anrs.fr/en/actualites/1127/monkeypox-core-protocol-international-trial-safety-and-efficacy-treatments">https://www.anrs.fr/en/actualites/1127/monkeypox-core-protocol-international-trial-safety-and-efficacy-treatments</a>
23/07/2022	Second meeting of the International Health Regulations (2005) (IHR) Emergency Committee regarding the multi-country outbreak of monkeypox	<a href="https://www.who.int/news/item/23-07-2022-second-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox">https://www.who.int/news/item/23-07-2022-second-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox</a>
22/07/2022	EMA recommends approval of Imvanex for the prevention of monkeypox disease	<a href="https://www.ema.europa.eu/en/news/ema-recommends-approval-imvanex-prevention-monkeypox-disease">https://www.ema.europa.eu/en/news/ema-recommends-approval-imvanex-prevention-monkeypox-disease</a>
24/06/2022	Monkeypox : informations pour les professionnels de santé	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/article/monkeypox-informations-pour-les-professionnels-de-sante">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/article/monkeypox-informations-pour-les-professionnels-de-sante</a>
18/07/2022	Public health advice for gay, bisexual and other men who have sex with men on the recent outbreak of monkeypox	<a href="https://www.who.int/publications/m/item/monkeypox-public-health-advice-for-men-who-have-sex-with-men">https://www.who.int/publications/m/item/monkeypox-public-health-advice-for-men-who-have-sex-with-men</a>
14/07/2022	Prendre en charge les patients - fiches pratiques	<a href="https://www.coreb.infectiologie.com/fr/prendre-en-charge-les-patients-fiches-pratiques.html">https://www.coreb.infectiologie.com/fr/prendre-en-charge-les-patients-fiches-pratiques.html</a>
11/07/2022	Monkeypox : ressources et supports de communication	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/article/monkeypox-ressources-et-supports-de-communication">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/article/monkeypox-ressources-et-supports-de-communication</a>

08/07/2022	Monkeypox : une vaccination préventive proposée aux personnes les plus à risque d'exposition	<a href="https://www.has-sante.fr/jcms/p_3351308/fr/avis-n2022-0039/ac/sespev-du-7-juillet-2022-du-college-de-la-haute-autorite-de-sante-relatif-a-la-vaccination-contre-le-virus-monkeypox-en-preexposition-des-personnes-a-haut-risque-d-exposition">https://www.has-sante.fr/jcms/p_3351308/fr/avis-n2022-0039/ac/sespev-du-7-juillet-2022-du-college-de-la-haute-autorite-de-sante-relatif-a-la-vaccination-contre-le-virus-monkeypox-en-preexposition-des-personnes-a-haut-risque-d-exposition</a>
08/07/2022	Monkeypox outbreak: technical briefings	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings</a>
06/07/2022	Multi-country outbreak of monkeypox, External situation report #1 - 6 July 2022	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox--external-situation-report--1---6-july-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox--external-situation-report--1---6-july-2022</a>
04/07/2022	Risk communication and community engagement approaches during the monkeypox outbreak in Europe, 2022	<a href="https://www.ecdc.europa.eu/en/publications-data/risk-communication-and-community-engagement-monkeypox-outbreak">https://www.ecdc.europa.eu/en/publications-data/risk-communication-and-community-engagement-monkeypox-outbreak</a>
29/06/2022	Monkeypox (MPX) Reporting Protocol 2022	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022">https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022</a>
28/06/2022	Considerations for contact tracing during the monkeypox outbreak in Europe, 2022	<a href="https://www.ecdc.europa.eu/en/publications-data/considerations-contact-tracing-during-monkeypox-outbreak-europe-2022">https://www.ecdc.europa.eu/en/publications-data/considerations-contact-tracing-during-monkeypox-outbreak-europe-2022</a>
28/06/2022	Public health advice for gatherings during the current monkeypox outbreak	<a href="https://www.who.int/publications/i/item/WHO-MPX-Gatherings-2022.1">https://www.who.int/publications/i/item/WHO-MPX-Gatherings-2022.1</a>
24/06/2022	Surveillance, case investigation and contact tracing for monkeypox: interim guidance, 24 June 2022	<a href="https://www.who.int/publications/i/item/WHO-MPX-Surveillance-2022.2">https://www.who.int/publications/i/item/WHO-MPX-Surveillance-2022.2</a>
24/06/2022	Risk communication and community engagement (RCCE) for monkeypox outbreaks: Interim guidance, 24 June 2022	<a href="https://www.who.int/publications/i/item/WHO-MPX-RCCE-2022.1">https://www.who.int/publications/i/item/WHO-MPX-RCCE-2022.1</a>
20/06/2022	Monkeypox : avis de l'ANSM concernant la vaccination contre la variole du singe	<a href="https://ansm.sante.fr/actualites/monkeypox-avis-de-lansm-concernant-la-vaccination-contre-la-variole-du-singe">https://ansm.sante.fr/actualites/monkeypox-avis-de-lansm-concernant-la-vaccination-contre-la-variole-du-singe</a>
20/06/2022	Monkeypox : la stratégie vaccinale réactive précisée pour les primo-vaccinés et les enfants	<a href="https://www.has-sante.fr/jcms/p_3345056/fr/monkeypox-la-strategie-vaccinale-reactive-precisee-pour-les-primo-vaccines-et-les-enfants">https://www.has-sante.fr/jcms/p_3345056/fr/monkeypox-la-strategie-vaccinale-reactive-precisee-pour-les-primo-vaccines-et-les-enfants</a>
14/06/2022	Interim advice for public health authorities on summer events during the monkeypox outbreak in Europe, 2022	<a href="https://www.ecdc.europa.eu/en/publications-data/interim-advice-public-health-authorities-summer-events-during-monkeypox-outbreak">https://www.ecdc.europa.eu/en/publications-data/interim-advice-public-health-authorities-summer-events-during-monkeypox-outbreak</a>
14/06/2022	Vaccines and immunization for monkeypox: Interim guidance, 14 June 2022	<a href="https://www.who.int/publications/i/item/who-mpx-immunization-2022.1">https://www.who.int/publications/i/item/who-mpx-immunization-2022.1</a>
10/06/2022	Clinical management and infection prevention and control for monkeypox: Interim rapid response guidance, 10 June 2022	<a href="https://www.who.int/publications/i/item/WHO-MPX-Clinical-and-IPC-2022.1">https://www.who.int/publications/i/item/WHO-MPX-Clinical-and-IPC-2022.1</a>
10/06/2022	Navigating monkeypox: considerations for gay and bisexual men and other men who have sex with men	<a href="https://www.ecdc.europa.eu/en/publications-data/navigating-monkeypox-considerations-gay-and-bisexual-men-and-msm">https://www.ecdc.europa.eu/en/publications-data/navigating-monkeypox-considerations-gay-and-bisexual-men-and-msm</a>
04/06/2022	Monkeypox minimum dataset case reporting form (CRF)	<a href="https://www.who.int/publications/m/item/monkeypox-minimum-dataset-case-reporting-form-(crf)">https://www.who.int/publications/m/item/monkeypox-minimum-dataset-case-reporting-form-(crf)</a>

02/06/2022	Interim advice on Risk Communication and Community Engagement during the monkeypox outbreak in Europe, 2022	<a href="https://www.ecdc.europa.eu/en/publications-data/interim-advice-risk-communication-and-community-engagement-during-monkeypox">https://www.ecdc.europa.eu/en/publications-data/interim-advice-risk-communication-and-community-engagement-during-monkeypox</a>
25/05/2022	COREB - Monkeypox factsheet	<a href="https://www.coreb.infectiologie.com/fr/monkeypox.html">https://www.coreb.infectiologie.com/fr/monkeypox.html</a>
25/05/2022	DGS (France) - Alert document - Update	<a href="https://solidarites-sante.gouv.fr/IMG/pdf/corruss_actualisation_dgs-urgent_n_2022_55_-_cas_d_infections_autochtones_par_le_virus_monkeypox.pdf">https://solidarites-sante.gouv.fr/IMG/pdf/corruss_actualisation_dgs-urgent_n_2022_55_-_cas_d_infections_autochtones_par_le_virus_monkeypox.pdf</a>
24/05/2022	HCSP - Conduite à tenir autour d'un cas suspect, probable ou confirmé d'infection à Monkeypox virus	<a href="https://www.hcsp.fr/Explore.cgi/avisrapportsdomaine?clefr=1212">https://www.hcsp.fr/Explore.cgi/avisrapportsdomaine?clefr=1212</a>
20/05/2022	HAS - Avis n° 2022.0034/SESPEV du 20 mai 2022 du collège de la Haute Autorité de santé relatif à la vaccination contre Monkeypox	<a href="https://www.has-sante.fr/upload/docs/application/pdf/2022-05/avis_n2022_0034_sespev_du_20_mai_2022_du_college_de_la_has_relatif_a_la_vaccination_contre_la_variole_du_singe_monkeypox_vir.pdf">https://www.has-sante.fr/upload/docs/application/pdf/2022-05/avis_n2022_0034_sespev_du_20_mai_2022_du_college_de_la_has_relatif_a_la_vaccination_contre_la_variole_du_singe_monkeypox_vir.pdf</a>
19/05/2022	Santé publique France - Case definition and actions to be taken	<a href="https://www.santepubliquefrance.fr/content/download/437302/file/def_cas_CAT_monkeypox_19052022.pdf">https://www.santepubliquefrance.fr/content/download/437302/file/def_cas_CAT_monkeypox_19052022.pdf</a>
19/05/2022	DGS (France) - Alert document	<a href="https://solidarites-sante.gouv.fr/IMG/pdf/2022-dgs-urgent_55_monkeypox.pdf">https://solidarites-sante.gouv.fr/IMG/pdf/2022-dgs-urgent_55_monkeypox.pdf</a>
2022	WHO - Monkeypox Outbreak Toolbox	<a href="https://www.who.int/emergencies/outbreak-toolkit/disease-outbreak-toolboxes/monkeypox-outbreak-toolbox">https://www.who.int/emergencies/outbreak-toolkit/disease-outbreak-toolboxes/monkeypox-outbreak-toolbox</a>
2021	OpenWHO - Monkeypox epidemiology, preparedness and response	<a href="https://openwho.org/courses/monkeypox-intermediate">https://openwho.org/courses/monkeypox-intermediate</a>
2021	WHO - All items on monkeypox	<a href="https://www.who.int/emergencies/emergency-events/item/monkeypox">https://www.who.int/emergencies/emergency-events/item/monkeypox</a>
2019	WHO Fact sheet on monkeypox	<a href="https://www.who.int/news-room/fact-sheets/detail/monkeypox">https://www.who.int/news-room/fact-sheets/detail/monkeypox</a>
2019	ECDC Factsheet for health professionals on monkeypox	<a href="https://www.ecdc.europa.eu/en/all-topics-z/monkeypox/factsheet-health-professionals">https://www.ecdc.europa.eu/en/all-topics-z/monkeypox/factsheet-health-professionals</a>
2018	ECDC - Rapid risk assessment: Monkeypox cases in the UK imported by travellers returning from Nigeria, 2018	<a href="https://www.ecdc.europa.eu/en/publications-data/rapid-risk-assessment-monkeypox-cases-uk-imported-travellers-returning-nigeria">https://www.ecdc.europa.eu/en/publications-data/rapid-risk-assessment-monkeypox-cases-uk-imported-travellers-returning-nigeria</a>

## Confirmed cases and deaths (25/04/23)

	<a href="https://worldhealthorg.shinyapps.io/mpx_global/">https://worldhealthorg.shinyapps.io/mpx_global/</a>	
Country	Cases confirmed by WHO	Deaths confirmed by WHO
United States of America	30152	44
Brazil	10904	16
Colombia	4090	0
Mexico	3965	14
Peru	3800	20
Canada	1480	0
Chile	1440	2
Argentina	1128	2

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<b>Ecuador</b>	533	3
<b>Guatemala</b>	404	1
<b>Bolivia (Plurinational State of)</b>	265	0
<b>Puerto Rico</b>	211	0
<b>Costa Rica</b>	221	0
<b>Panama</b>	223	1
<b>Paraguay</b>	125	0
<b>El Salvador</b>	104	0
<b>Dominican Republic</b>	52	0
<b>Uruguay</b>	19	0
<b>Jamaica</b>	21	0
<b>Honduras</b>	42	0
<b>Venezuela (Bolivarian Republic of)</b>	12	0
<b>Cuba</b>	8	1
<b>Martinique</b>	7	0
<b>Aruba</b>	3	0
<b>Curaçao</b>	3	0
<b>Bahamas</b>	2	0
<b>Guyana</b>	2	0
<b>Barbados</b>	1	0
<b>Bermuda</b>	1	0
<b>Guadeloupe</b>	1	0
<b>Saint Martin</b>	1	0
<b>Spain</b>	7549	3
<b>France</b>	4144	0
<b>The United Kingdom</b>	3741	0
<b>Germany</b>	3692	0
<b>Netherlands</b>	1263	0
<b>Italy</b>	957	0
<b>Portugal</b>	953	0
<b>Belgium</b>	793	2
<b>Switzerland</b>	552	0
<b>Austria</b>	328	0
<b>Israel</b>	262	0
<b>Sweden</b>	260	0
<b>Ireland</b>	228	0
<b>Poland</b>	217	0
<b>Denmark</b>	196	0
<b>Norway</b>	95	0
<b>Greece</b>	87	0
<b>Hungary</b>	80	0
<b>Czechia</b>	71	1
<b>Luxembourg</b>	57	0
<b>Romania</b>	47	0
<b>Slovenia</b>	47	0
<b>Finland</b>	42	0



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<b>Serbia</b>	40	0
<b>Croatia</b>	33	0
<b>Malta</b>	34	0
<b>Iceland</b>	16	0
<b>Slovakia</b>	14	0
<b>Türkiye</b>	12	0
<b>Estonia</b>	11	0
<b>Bosnia and Herzegovina</b>	9	0
<b>Bulgaria</b>	6	0
<b>Gibraltar</b>	6	0
<b>Latvia</b>	6	0
<b>Cyprus</b>	5	0
<b>Ukraine</b>	5	0
<b>Lithuania</b>	5	0
<b>Andorra</b>	4	0
<b>Monaco</b>	3	0
<b>Georgia</b>	2	0
<b>Greenland</b>	2	0
<b>Republic of Moldova</b>	2	0
<b>Montenegro</b>	2	0
<b>Russian Federation</b>	2	0
<b>San Marino</b>	1	0
<b>Nigeria</b>	833	9
<b>Democratic Republic of th</b>	450	0
<b>Ghana</b>	124	4
<b>Central African Republic</b>	28	1
<b>Cameroon</b>	18	3
<b>Liberia</b>	10	0
<b>South Africa</b>	5	0
<b>Congo</b>	5	0
<b>Benin</b>	3	0
<b>Mozambique</b>	1	1
<b>Australia</b>	144	0
<b>New Zealand</b>	41	0
<b>Singapore</b>	23	0
<b>Japan</b>	120	0
<b>China1</b>	40	0
<b>Philippines</b>	4	0
<b>Republic of Korea</b>	30	0
<b>Viet Nam</b>	2	0
<b>New Caledonia</b>	1	0
<b>Guam</b>	1	0
<b>Lebanon</b>	27	0
<b>Sudan</b>	19	1
<b>United Arab Emirates</b>	16	0
<b>Saudi Arabia</b>	8	0
<b>Qatar</b>	5	0

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<b>Morocco</b>	3	0
<b>Egypt</b>	3	0
<b>Iran (Islamic Republic of)</b>	1	0
<b>Jordan</b>	1	0
<b>Bahrain</b>	1	0
<b>India</b>	22	1
<b>Thailand</b>	19	0
<b>Sri Lanka</b>	2	0
<b>Indonesia</b>	1	0
<b>Total</b>	<b>87113</b>	<b>130</b>



## Mpox outbreak Factsheet and news

UPDATE OF 28 APRIL 2023

This document is composed of 3 different tabs: General information, Relevant news, and Scientific articles  
The content and presentation of this document are subject to change as the situation evolves.  
Every information presented comes from a valid and credible source.

The redaction of this document is coordinated by:

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The "Relevant news" tab presents official reports from health agencies and rapidly reported information from reliable news sources

Date	Source	Type of publication	Title	Key facts	Link
28/04/2023	WHO	Guidelines	Atlas of mpox lesions: a tool for clinical researchers, 28 April 2023, version 1.0	This compilation of images of mpox lesions shows examples of the effects of monkeypox virus infection on the skin and mucosa. The Atlas will support those collecting data to harmonise their assessments of lesions, and improve the quality of the collected data. It may also be beneficial to the wider medical community as a teaching and learning resource.	<a href="https://www.who.int/publications/i/item/WHO-MPX-Clinical-Lesions-2023.1">https://www.who.int/publications/i/item/WHO-MPX-Clinical-Lesions-2023.1</a>
27/04/2023	WHO	Report	Multi-country outbreak of mpox, External situation report#21 - 27 April 2023	This is the 21st situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology, a special focus on incubation period of mpox, and social media campaign to inform people about the mpox and prevent or reduce stigma.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report-21---27-april-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report-21---27-april-2023</a>
27/04/2023	WHO	News	Vigilance needed despite encouraging mpox situation: WHO/Europe launches key considerations for control and elimination	There is much to celebrate in the reduced spread of mpox since the beginning of the outbreak almost 1 year ago. However, as Member States transition out of the emergency phase of the outbreak, what will happen next is uncertain.	<a href="https://www.who.int/europe/news/item/27-04-2023-vigilance-needed-despite-encouraging-mpox-situation-who-europe-launches-key-considerations-for-control-and-elimination">https://www.who.int/europe/news/item/27-04-2023-vigilance-needed-despite-encouraging-mpox-situation-who-europe-launches-key-considerations-for-control-and-elimination</a>
25/04/2023	WHO	Guidelines	Considerations for the control and elimination of mpox in the WHO European Region update 25 April 2023: the need for integrated national operational plans	The WHO Regional Office for Europe mpox policy brief series summarizes policy recommendations, knowledge and interim technical guidance on key policy areas around the monkeypox PHEIC in the WHO European Region. It is intended to provide a framework for MS to develop national five-year action plans to sustain control and achieve elimination of mpox. It is aimed at decision-makers and policy-planners, including multisectoral coordination mechanisms established to respond to the mpox outbreak in the WHO European Region.	<a href="https://www.who.int/europe/publications/i/item/WHO-EURO-2023-6007-45772-69163">https://www.who.int/europe/publications/i/item/WHO-EURO-2023-6007-45772-69163</a>
13/04/2023	WHO	Report	Multi-country outbreak of mpox, External situation report #20 - 13 April 2023	This is the 20th situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology, a special focus on considering elimination of mpox and an update from the WHO European region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--20--13-april-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--20--13-april-2023</a>
30/03/2023	CDC US	Report	Risk Assessment of Mpox Resurgence and Vaccination Considerations	States may be at risk of resurgence or new mpox outbreaks without continued efforts to vaccinate people at risk, based on new modeling analyses. The chance of an outbreak and its predicted size will likely increase over time without continued efforts to vaccinate people at highest risk of mpox exposure.	<a href="https://www.cdc.gov/poxvirus/mpox/response/2022/risk-assessment-of-resurgence.html">https://www.cdc.gov/poxvirus/mpox/response/2022/risk-assessment-of-resurgence.html</a>
30/03/2023	SpF	Report	Variole du singe : point de situation en France au 23 mars 2023	Santé publique France publie un point de situation au 23 mars 2023 sur les cas de variole du singe (mpox en anglais et anciennement monkeypox) suite au signalement et à l'investigation de cas groupés en région Centre-Val de Loire.	<a href="https://www.santepubliquefrance.fr/les-actualites/2023/variole-du-singe-point-de-situation-en-france-au-23-mars-2023">https://www.santepubliquefrance.fr/les-actualites/2023/variole-du-singe-point-de-situation-en-france-au-23-mars-2023</a>
30/03/2023	WHO	Report	Multi-country outbreak of mpox, External situation report #19 - 30 March 2023	This is the 19th situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology, a summary of mpox in people living with HIV, a special focus on the study of the animal reservoir of monkeypox virus in Nigeria, and an update from the WHO African region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--19---30-march-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--19---30-march-2023</a>
24/03/2023	WHO	News	Science in 5 : Episode #96 - mpox update	Dr Rosamund Lewis provides a status update, lessons learned from the response so far and elaborates on who is at risk in Science in 5 this week.	<a href="https://www.who.int/emergencies/diseases/novel-coronavirus-2019/media-resources/science-in-5/episode--96---mpox-update">https://www.who.int/emergencies/diseases/novel-coronavirus-2019/media-resources/science-in-5/episode--96---mpox-update</a>
22/03/2023	UKHSA	Press release	People still eligible for mpox vaccine urged to come forward	Sustained reduction in case numbers means targeted vaccine programme is no longer needed and can be wound down in the summer.	<a href="https://www.gov.uk/government/news/people-still-eligible-for-mpox-vaccine-urged-to-come-forward">https://www.gov.uk/government/news/people-still-eligible-for-mpox-vaccine-urged-to-come-forward</a>
16/03/2023	WHO	Report	Multi-country outbreak of mpox, External situation report #18 - 16 March 2023	This is the 18th situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology, summary of deaths due to mpox, a special focus on the clinical presentation of mpox, management of severe mpox, and an update on the situation of mpox in the Western Pacific Region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--18---16-march-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--18---16-march-2023</a>

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09/03/2023	WHO	Guidance	Public health advice for gay, bisexual and other men who have sex with men on the recent outbreak of monkeypox	This document (updated in March 2023) is intended for use by individuals, community leaders, influencers, health workers and others affected by or working on the mpox outbreak. It contains information to help people reduce their risk of mpox and to help slow the spread of the virus.	<a href="https://www.who.int/publications/m/item/monkeypox-public-health-advice-for-men-who-have-sex-with-men">https://www.who.int/publications/m/item/monkeypox-public-health-advice-for-men-who-have-sex-with-men</a>
03/03/2023	ECDC	Report	Communicable disease threats report, week 9, 27 February - 5 March 2023	Since the last update on 14 February 2023, and as of 28 February 2023, two mpox cases have been reported by Spain and one death has been reported by Belgium. The death was due to mpox in a severely immunosuppressed person who was hospitalised for multiple months. During this period the patient had continuously tested positive for mpox by PCR, and eventually died due to a variety of mpox complications.	<a href="https://www.ecdc.europa.eu/sites/default/files/documents/communicable-disease-threats-report-3-march-2023.pdf">https://www.ecdc.europa.eu/sites/default/files/documents/communicable-disease-threats-report-3-march-2023.pdf</a>
02/03/2023	WHO	Report	Multi-country outbreak of mpox, External situation report #17 - 2 March 2023	This is the 17th situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology of mpox, vaccines for mpox and an update from the WHO South-East Asia Region and Central America and the Caribbean.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--17--2-march-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--17--2-march-2023</a>
02/03/2023	UKHSA	Report	Mpox (monkeypox) outbreak: epidemiological overview, 2 March 2023	This epidemiological overview provides an update to the number of confirmed and highly probable mpox cases in England, Northern Ireland, Scotland and Wales.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/mpox-monkeypox-outbreak-epidemiological-overview-2-march-2023">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/mpox-monkeypox-outbreak-epidemiological-overview-2-march-2023</a>
01/03/2023	WHO	Guidance	Public health advice on mpox (monkeypox) and sex-on-premises venues and events	This document contains public health advice for sex-on-premises venues and events to control the spread of mpox (monkeypox), while enabling venues to stay open and events to continue to take place. It contains practical advice on steps that can be taken to protect people from mpox.	<a href="https://www.who.int/publications/m/item/public-health-advice-on-mpox-(monkeypox)-and-sex-on-premises-venues-and-events">https://www.who.int/publications/m/item/public-health-advice-on-mpox-(monkeypox)-and-sex-on-premises-venues-and-events</a>
01/03/2023	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Mpox Surveillance Bulletin: 01 March 2023	A total of 25,843 cases of mpox have been identified through IHR mechanisms, official public sources and TESSy up to 28 February 2023, 14:00, from 45 countries and areas throughout the European Region. Over the past 4 weeks, 38 cases of mpox have been identified from 7 countries and areas.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
17/02/2023	ECDC	Report	Communicable disease threats report, week 7, 12-18 February 2023	Since the last update on 31 January 2023, and as of 14 February 2023, 18 mpox cases have been reported from two EU/EEA countries: Spain (13) and Italy (5).	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-week-7-12-18-february-2023">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-week-7-12-18-february-2023</a>
19/02/2023	WHO	Webinar	22/02/2023 - WHO EPI-WIN webinar: Changing perspectives of the mpox outbreak	The mpox outbreak has evolved over the months. How has the epidemiology changed? What are the considerations of the IHR Emergency Committee for mpox? What are the public and healthcare worker perceptions of mpox? What have we learned? These are some of the issues that this webinar will address.	<a href="https://www.who.int/europe/news/item/15-02-2023-as-the-mpox-emergency--continues--the-united-kingdom-shows-how-achieving-and-sustaining-disease-elimination-has-to-be-the-next-priority">https://www.who.int/europe/news/item/15-02-2023-as-the-mpox-emergency--continues--the-united-kingdom-shows-how-achieving-and-sustaining-disease-elimination-has-to-be-the-next-priority</a>
16/02/2023	WHO	Report	Multi-country outbreak of mpox, External situation report #16 - 16 February 2023	This is the 16th situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology of mpox, recommendations issued by the fourth meeting of the IHR-EC on mpox, a focus on mpox at the human-animal interface, and an update from the WHO Eastern Mediterranean Region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--16--16-february-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--16--16-february-2023</a>
15/02/2023	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Mpox Surveillance Bulletin: 15 February 2023	A total of 25,839 cases of mpox have been identified through IHR mechanisms, official public sources and TESSy up to 14 February 2023, from 45 countries and areas throughout the European Region. Over the past 4 weeks, 85 cases of mpox have been identified from 15 countries and areas.	<a href="https://www.who.int/europe/publications/m/item/joint-ecdc-who-regional-office-for-europe-mpox-surveillance-bulletin--15-february-2023">https://www.who.int/europe/publications/m/item/joint-ecdc-who-regional-office-for-europe-mpox-surveillance-bulletin--15-february-2023</a>
15/02/2023	WHO	News	Fourth meeting of the International Health Regulations (2005) (IHR) Emergency Committee on the Multi-Country Outbreak of monkeypox (mpox)	Despite reduction of cases and the global response to the outbreak, the mpox outbreak continues to constitute a Public Health Emergency of International Concern. This report details proceedings of the meeting and temporary recommendations concerning preparedness and response plans.	<a href="https://www.who.int/news/item/15-02-2023-fourth-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-on-the-multi-country-outbreak-of-monkeypox-(mpox)">https://www.who.int/news/item/15-02-2023-fourth-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-on-the-multi-country-outbreak-of-monkeypox-(mpox)</a>
15/02/2023	WHO	News	As the mpox "emergency" continues, the United Kingdom shows how achieving and sustaining disease elimination has to be the next priority	Although there has been a decline in cases globally, the threat from the disease has not gone away. There is still a high risk of mpox being imported from one country to another. Achieving and sustaining elimination of infection in our region has to be the next priority.	<a href="https://www.who.int/europe/news/item/15-02-2023-as-the-mpox-emergency--continues--the-united-kingdom-shows-how-achieving-and-sustaining-disease-elimination-has-to-be-the-next-priority">https://www.who.int/europe/news/item/15-02-2023-as-the-mpox-emergency--continues--the-united-kingdom-shows-how-achieving-and-sustaining-disease-elimination-has-to-be-the-next-priority</a>
07/02/2023	Ministère de la Santé et de la Prévention	Report	Monkeypox : le point sur le virus	Au 6 février 2023, un total de 144 153 doses ont été administrées	<a href="https://sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox">https://sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox</a>

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03/02/2023	ECDC	Report	Communicable disease threats report, 30 January - 5 February 2023, week 5	Since the last update on 17 January 2023, and as of 31 January 2023, 23 mpox cases have been reported from eight EU/EEA countries.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-30-january-5-february-2023-week-5">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-30-january-5-february-2023-week-5</a>
02/02/2023	WHO	Report	Multi-country outbreak of mpox, External situation report#15- 2 February 2023	Since the last situation report published on 19 January 2023, 716 new cases (0.8% increase in total cases) and nine new deaths have been reported. Over the last three months (the age and sex distribution, severity and clinical presentation of mpox cases remained unchanged, as the number of reported cases has steadily declined globally. Thirty-nine (39) countries continue to report mpox cases.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report-15--2-february-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report-15--2-february-2023</a>
02/02/2023	CDC US	Brief	Science Brief: Detection and Transmission of Mpox (Formerly Monkeypox) Virus During the 2022 Clade IIb Outbreak	Incorporated findings from a growing body of scientific evidence that show some people can spread mpox virus to others from one to four days before symptoms of mpox appear. There is currently no evidence showing that people who never develop symptoms have spread mpox virus to someone else.	<a href="https://www.cdc.gov/poxvirus/monkeypox/about/science-behind-transmission.html">https://www.cdc.gov/poxvirus/monkeypox/about/science-behind-transmission.html</a>
01/02/2023	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Mpox Surveillance Bulletin: 01 February 2023	A total of 25,824 cases of mpox (formerly named monkeypox) have been identified through IHR mechanisms, official public sources and TESSy up to 31 January 2023, from 45 countries and areas throughout the European Region. Over the past 4 weeks, 108 cases of mpox have been identified from 16 countries and areas.	<a href="https://www.who.int/europe/publications/m/item/joint-ecdc-who-regional-office-for-europe-mpox-surveillance-bulletin-01-february-2023">https://www.who.int/europe/publications/m/item/joint-ecdc-who-regional-office-for-europe-mpox-surveillance-bulletin-01-february-2023</a>
01/02/2023	ECDC	Report	Mpox (formerly named monkeypox) situation update, as of 31 January 2023	Since the last update on 17 January 2023, and as of 31 January 2023, 23 mpox cases have been reported from eight EU/EEA countries. Since the start of the mpox outbreak, and as of 31 January 2023, 21 163 confirmed cases of mpox have been reported from 29 EU/EEA countries. In total, 63 cases have been reported from three Western Balkan countries and Türkiye.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
31/01/2023	FDA	News	Statement From HHS Secretary Becerra on mpox	Given the low number of cases today, HHS does not expect that it needs to renew the emergency declaration when it ends on January 31, 2023.	<a href="https://www.hhs.gov/about/news/2022/12/02/satement-from-hhs-secretary-becerra-on-mpox.html">https://www.hhs.gov/about/news/2022/12/02/satement-from-hhs-secretary-becerra-on-mpox.html</a>
25/01/2023	SPF	Report	Cas de variole du singe : point de situation au 24 janvier 2023	Au 24 janvier 2023 à 12h00, 4 982 cas d'infection à virus Monkeypox ont été recensés en France, dont 4 128 (83 %) cas confirmés biologiquement, soit 13 cas supplémentaires depuis le bilan du 20 décembre, et 854 (17 %) cas probables ou possibles, non confirmés biologiquement, soit un cas supplémentaire depuis le bilan du 20 décembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2023/cas-de-variole-du-singe-point-de-situation-au-24-janvier-2023">https://www.santepubliquefrance.fr/les-actualites/2023/cas-de-variole-du-singe-point-de-situation-au-24-janvier-2023</a>
23/01/2023	UKHSA	Guidance	Principles for control of non-HCID mpox in the UK: 4 nations consensus statement	A consensus statement outlining principles for the control of non-high-consequence infectious disease (HCID) mpox (monkeypox) in healthcare and other settings in the UK.	<a href="https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement">https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement</a>
23/01/2023	UKHSA	Guidance	Mpox (monkeypox): diagnostic testing	Information on taking, submitting and processing samples which potentially contain mpox virus.	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
23/01/2023	UKHSA	Guidance	Mpox (monkeypox): case definitions	This guidance describes case definitions to inform testing and reporting of suspected mpox cases.	<a href="https://www.gov.uk/guidance/monkeypox-case-definitions">https://www.gov.uk/guidance/monkeypox-case-definitions</a>
23/01/2023	UKHSA	Guidance	HCID status of mpox (monkeypox)	Information on the status of mpox as a high consequence infectious disease (HCID).	<a href="https://www.gov.uk/guidance/hcid-status-of-monkeypox">https://www.gov.uk/guidance/hcid-status-of-monkeypox</a>
23/01/2023	UKHSA	Guidance	Monkeypox: contact tracing (update)	Classification of contacts and follow-up advice for non-HCID strains of monkeypox.	<a href="https://www.gov.uk/government/publications/monkeypox-contact-tracing">https://www.gov.uk/government/publications/monkeypox-contact-tracing</a>
19/01/2023	FDA	Guidelines	Mpox: Development of Drugs and Biological Products Guidance for Industry	FDA is issuing this guidance to support sponsors in their development of drugs for mpox. It provides nonclinical, virology, and clinical considerations for mpox drug development programs, with a focus on recommendations to support initiation of clinical trials.	<a href="https://www.fda.gov/media/164642/download">https://www.fda.gov/media/164642/download</a>
19/01/2023	ECDC	Report	Mpox (formerly named monkeypox) situation update, as of 17 January 2023	Since the last update on 3 January 2023, and as of 17 January 2023, 18 mpox cases have been reported from seven EU/EEA countries. No new cases have been reported from the Western Balkans and Türkiye.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
19/01/2023	WHO	Report	Multi-country outbreak of mpox, External situation report#14- 19 January 2023	This is the 14th situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology, a special focus on genomic sequencing of monkeypox virus from around the world, an overview of the clinical and public health links between HIV and mpox and an update from the WHO African region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report-14--19-january-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report-14--19-january-2023</a>
17/01/2023	WHO	Consultation	Public consultation: Target Product Profiles for tests used for diagnosis of mpox (monkeypox)	The World Health Organization (WHO) is developing two target product profiles (TPPs) for diagnosis of mpox, aiming to inform and encourage technological advancements and enable assay development	<a href="https://www.who.int/news-room/articles-detail/public-consultation--target-product-profiles-for-tests-used-for-diagnosis-of-mpox-(monkeypox)">https://www.who.int/news-room/articles-detail/public-consultation--target-product-profiles-for-tests-used-for-diagnosis-of-mpox-(monkeypox)</a>
13/01/2023	CDC US	Guidance	Strategies for Talking with Patients about Vaccinations for Mpox	As a healthcare provider, you are a trusted source of health information. The way you speak with patients who have questions or concerns about receiving a vaccine for mpox can influence their willingness to consider vaccination.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/vaccines/talking-with-patients.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/vaccines/talking-with-patients.html</a>

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11/01/2023	Africa CDC	Report	Outbreak Brief 26: Mpox in Africa Union Member States	Since the beginning of 2022, the continent has reported 1,267 confirmed cases and 226 deaths (CFR: 17.8%) of mpox from eight endemic Africa Union (AU) Member States (MS)	<a href="https://africacdc.org/disease-outbreak/outbreak-brief-26-mpox-in-africa-union-member-states/">https://africacdc.org/disease-outbreak/outbreak-brief-26-mpox-in-africa-union-member-states/</a>
05/01/2023	ECDC	Report	Communicable disease threats report, 2-8 January 2023, week 1	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats. This issue covers the period 2-8 January 2023 and includes updates on COVID-19, Ebola and Mpox.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-2-8-january-2023-week-1">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-2-8-january-2023-week-1</a>
05/01/2023	WHO	Report	Multi-country outbreak of mpox, External situation report #13 - 5 January 2023	Since the last situation report published on 14 December 2022, 1319 new cases (1.6% increase in total cases) and 10 new deaths have been reported	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--13--5-january-2023">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox--external-situation-report--13--5-january-2023</a>
05/01/2023	UKHSA	Guidelines	Principles for mpox (monkeypox) control in the UK: 4 nations consensus statement	A consensus statement outlining principles for the control of mpox in healthcare and other settings in the UK.	<a href="https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement">https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement</a>
04/01/2023	ECDC	Report	Mpox (formerly named monkeypox) situation update, as of 3 January 2022	Since the last update on 20 December 2022, and as of 3 January 2023, there have been 21 mpox cases reported from seven EU/EEA countries.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
22/12/2022	WHO	Guidance	Surveillance, case investigation and contact tracing for mpox (monkeypox): interim guidance, 22 December 2022	This is an updated version of the previous guidance published on 25 August 2022. It applies to all countries with potential mpox (monkeypox) cases, including countries that have historically documented mpox transmission and those that have not.	<a href="https://www.who.int/publications/i/item/WHO-MPX-Surveillance-2022.4">https://www.who.int/publications/i/item/WHO-MPX-Surveillance-2022.4</a>
22/12/2022	ECDC	Report	Communicable disease threats report, 18-24 December 2022, week 51	Since the last update on 6 December 2022, and as of 20 December 2022, 25 mpox cases have been reported from three EU/EEA countries: Sweden (13), Italy (8) and Spain (4).	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-18-24-december-2022-week-51">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-18-24-december-2022-week-51</a>
21/12/2022	Africa CDC	Report	Outbreak Brief 23: Mpox in Africa Union Member States	Since the beginning of 2022, the continent has reported 1,176 confirmed cases and 219 deaths (CFR: 18.6%) of mpox	<a href="https://africacdc.org/disease-outbreak/outbreak-brief-23-mpox-in-africa-union-member-states/">https://africacdc.org/disease-outbreak/outbreak-brief-23-mpox-in-africa-union-member-states/</a>
21/12/2022	SpF	Report	Cas de variole du singe : point de situation au 20 décembre 2022	Au 20 décembre 2022 à 12h00, 4 967 cas d'infection à virus Monkeypox ont été recensés en France, dont 4 114 (83 %) cas confirmés biologiquement, soit 5 cas supplémentaires depuis le bilan du 29 novembre, et 853 (17 %) cas probables ou possibles, non confirmés biologiquement.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-20-decembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-20-decembre-2022</a>
20/12/2022	UKHSA	Guidance	Mpox and sexual health: outreach and engagement fund	Information on UKHSA's mpox and sexual health outreach and engagement fund for underserved LGBT+ populations.	<a href="https://www.gov.uk/government/publications/mpox-and-sexual-health-outreach-and-engagement-fund">https://www.gov.uk/government/publications/mpox-and-sexual-health-outreach-and-engagement-fund</a>
20/12/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current mpox (monkeypox) outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
13/12/2022	US CDC	Guidance	Clinical Considerations for Treatment and Prophylaxis of Mpox Infection in People Who are Immunocompromised	Expanded to include considerations for treatment and prophylaxis of Monkeypox virus infection in people with immunocompromising conditions other than HIV.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinical/people-with-HIV.html">https://www.cdc.gov/poxvirus/monkeypox/clinical/people-with-HIV.html</a>
13/12/2022	FDA	News	FDA grants Emergency authorisation to Thermofisher TaqPath Monkeypox Orthopox Virus DNA Kit	This test is authorized for the qualitative detection of DNA from monkeypox virus (clade I/II) and non-variola Orthopoxvirus in human lesion swab specimens (i.e., swabs of acute pustular or vesicular rash) from individuals suspected of mpox by their healthcare provider.	<a href="https://www.fda.gov/media/163933/download">https://www.fda.gov/media/163933/download</a>
13/12/2022	UKHSA	Report	Mpox (monkeypox) outbreak: epidemiological overview, 13 December 2022	Up to 12 December 2022 there were 3,582 confirmed and 148 highly probable mpox cases detected in the UK: 3,730 in total. Of these, 97 were in Scotland, 34 were in Northern Ireland, 47 were in Wales and 3,552 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/mpox-monkeypox-outbreak-epidemiological-overview-13-december-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/mpox-monkeypox-outbreak-epidemiological-overview-13-december-2022</a>
09/12/2022	ECDC	Report	Communicable disease threats report, 4 – 10 December 2022, week 49	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats. This issue covers the period 4 – 10 December 2022 and includes updates on COVID-19, Ebola virus, respiratory syncytial virus, streptococcal infection, diphtheria, seasonal influenza, mpox (monkeypox), hepatitis, MERS-CoV, meningitis, and mass gathering monitoring at the FIFA World Cup 2022 Qatar.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-4-10-december-2022-week-49">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-4-10-december-2022-week-49</a>
08/12/2022	UKHSA	Policy paper	Mpox (monkeypox) control: UK strategy 2022 to 2023	The UK strategy for mpox control 2022 to 2023 outlines the UK's 4 nation plan to continue reducing mpox transmission over the next 12 months.	<a href="https://www.gov.uk/government/publications/mpox-monkeypox-control-uk-strategy-2022-to-2023">https://www.gov.uk/government/publications/mpox-monkeypox-control-uk-strategy-2022-to-2023</a>

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07/12/2022	Africa CDC	Report	Outbreak Brief 21: Monkeypox in Africa Union Member States	Since the beginning of 2022, the continent has reported the continent has reported 1,089 confirmed cases and 202 deaths (CFR: 18.5%) of mpox from eight endemic Africa Union (AU) Member States	<a href="https://africacdc.org/disease-outbreak/outbreak-brief-21-monkeypox-in-africa-union-member-states/">https://africacdc.org/disease-outbreak/outbreak-brief-21-monkeypox-in-africa-union-member-states/</a>
07/12/2022	ECDC	Report	Mpox (formerly named monkeypox) situation update, as of 6 December 2022	Since the last update on 22 November 2022, and as of 6 December 2022, 36 mpox cases have been reported from 10 EU/EEA countries. Excluding data from the last three weeks, which may be incomplete, 41 cases were reported in week 45 (7–13 November 2022). This is a decline of 34.1% compared to week 44 (31 October–6 November 2022). Compared to the peak of reported cases (2 164 cases during week 29; 18–24 July 2022), there has been a decrease of 98.8% in the number of newly reported cases during week 44. As of 6 December 2022, 17 countries have not reported an mpox case for more than 21 days.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
06/12/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 6 December 2022	Up to 5 December 2022 there were 3,580 confirmed and 150 highly probable monkeypox cases detected in the UK: 3,730 in total.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-6-december-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-6-december-2022</a>
06/12/2022	Ministère de la Santé et de la Prévention	Report	Monkeypox : le point sur le virus mise à jour	Point sur monkeypox et bilan de vaccination (139 474 doses)	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox#:~:text=Le%20Monkeypox%20est%20une%20maladie,une%20fi%C3%A8vre%20ou%20de%20ganglions.">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox#:~:text=Le%20Monkeypox%20est%20une%20maladie,une%20fi%C3%A8vre%20ou%20de%20ganglions.</a>
05/12/2022	UKHSA	Guidance	Mpox (monkeypox): diagnostic testing	Information on taking, submitting and processing samples which potentially contain mpox virus.	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
02/12/2022	ECDC	Report	Communicable disease threats report, 27 November – 3 December 2022, week 48	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats. This issue covers the period 27 November – 3 December 2022 and includes updates on COVID-19, Ebola, diphtheria, respiratory syncytial virus, seasonal influenza, monkeypox, mass gathering monitoring at the FIFA World Cup 2022 Qatar, Chikungunya, dengue, Shigella sonnei, poliomyelitis, meningitis, cholera.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-27-november-3-december-2022-week-48">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-27-november-3-december-2022-week-48</a>
01/12/2022	WHO	Report	Multi-country outbreak of mpox, External situation report #11 - 1 December 2022	This is the eleventh situation report for the multi-country outbreak of mpox, which provides details on the latest epidemiology, information on the new name of the disease, mpox cases in females, HIV and mpox, updates on clinical care, therapeutics and revised strategy for risk communication and community engagement for mpox. This report also provides an update on the situation of mpox in the Western Pacific Region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox-external-situation-report--11---1-december-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-mpox-external-situation-report--11---1-december-2022</a>
29/11/2022	Africa CDC	News	The Republic of Korea to Donate First Batch of Mpox Vaccine to Africa	The government of the Republic of Korea, through Korea Disease Control and Prevention Agency (KDCA), will donate the first batch of the Mpox vaccine to Africa through the Africa Centres for Disease Control and Prevention (Africa CDC).	<a href="https://africacdc.org/news-item/the-republic-of-korea-to-donate-first-batch-of-mpox-vaccine-to-africa/">https://africacdc.org/news-item/the-republic-of-korea-to-donate-first-batch-of-mpox-vaccine-to-africa/</a>
29/11/2022	SpF	Report	Cas de variole du singe : point de situation au 29 novembre 2022	Au 29 novembre 2022 à 12h00, 4 109 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 5 cas supplémentaires depuis le bilan du 1er novembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-29-novembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-29-novembre-2022</a>
29/11/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 29 November 2022	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-29-november-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-29-november-2022</a>
29/11/2022	WHO	News	Peru Responds to Monkeypox by Engaging Affected Communities	The plan includes training for health professionals in epidemiological surveillance, laboratory diagnosis, prevention, and case management for timely screening and detection of infected people. It also includes actions, in collaboration with the community, to communicate the risks of monkeypox and provide prevention tips to help people make informed decisions about their health.	<a href="https://www.paho.org/en/stories/peru-responds-monkeypox-engaging-affected-communities">https://www.paho.org/en/stories/peru-responds-monkeypox-engaging-affected-communities</a>
28/11/2022	WHO	News	WHO recommends new name for monkeypox disease	Following a series of consultations with global experts, WHO will begin using a new preferred term “mpox” as a synonym for monkeypox. Both names will be used simultaneously for one year while “monkeypox” is phased out.	<a href="https://www.who.int/news/item/28-11-2022-who-recommends-new-name-for-monkeypox-disease">https://www.who.int/news/item/28-11-2022-who-recommends-new-name-for-monkeypox-disease</a>
28/11/2022	Africa CDC	Report	Outbreak Brief 19: Monkeypox in Africa Union Member States	Since the beginning of 2022, the continent has reported 996 confirmed cases and 198 deaths (CFR: 19.8%) of monkeypox from eight endemic Africa Union (AU) Member States. This week, 26 new confirmed cases and 24 new deaths of monkeypox were reported.	<a href="https://africacdc.org/disease-outbreak/outbreak-brief-19-monkeypox-in-africa-union-member-states/">https://africacdc.org/disease-outbreak/outbreak-brief-19-monkeypox-in-africa-union-member-states/</a>

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23/11/2022	ECDC	Report	Monkeypox situation update, as of 22 November 2022	Since the last update on 8 November 2022, and as of 22 November 2022, 42 monkeypox (MPX) cases have been reported from 10 EU/EEA countries.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
22/11/2022	UKHSA	News	UKHSA finds vaccination offers strong protection against monkeypox	New UKHSA evidence indicates that a single MVA-BN vaccine dose provides around 78% protection against monkeypox 14 days after being vaccinated.	<a href="https://www.gov.uk/government/news/ukhsa-finds-vaccination-offers-strong-protection-against-monkeypox">https://www.gov.uk/government/news/ukhsa-finds-vaccination-offers-strong-protection-against-monkeypox</a>
22/11/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
18/11/2022	UKHSA	Guidance	Monkeypox: contact tracing	Classification of contacts and follow-up advice for non-HCID strains of monkeypox.	<a href="https://www.gov.uk/government/publications/monkeypox-contact-tracing">https://www.gov.uk/government/publications/monkeypox-contact-tracing</a>
17/11/2022	US CDC	Guidelines	HAN: Update on Managing Monkeypox in Patients Receiving Therapeutics	This Health Update notifies healthcare providers and public health departments about two cases of laboratory-confirmed tecovirimat resistance. The patients in both cases had immunocompromising conditions and progressive, severe manifestations of monkeypox, and both patients received prolonged courses (>14 days) of tecovirimat.	<a href="https://emergency.cdc.gov/han/2022/han00481.asp">https://emergency.cdc.gov/han/2022/han00481.asp</a>
16/11/2022	WHO	Guidelines	Vaccines and immunization for monkeypox: Interim guidance, 16 November 2022	This interim guidance, developed with the advice and support of the Strategic Advisory Group of Experts (SAGE) Working Group on smallpox and monkeypox vaccines, provides the first WHO recommendations on vaccines and immunization for monkeypox. Key points follow.	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization">https://www.who.int/publications/i/item/WHO-MPX-Immunization</a>
16/11/2022	WHO	Guidelines	Annexes to the Vaccines and immunization for monkeypox interim guidance	Grading of evidence – Evidence to recommendation tables	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization-Annexes-2022">https://www.who.int/publications/i/item/WHO-MPX-Immunization-Annexes-2022</a>
16/11/2022	WHO	Guidelines	Background document for the SAGE October 2022 session on monkeypox vaccines	This background document has been prepared by the SAGE working group on smallpox and monkeypox vaccines to inform the discussions of SAGE at its 3-7 October 2022 meeting.	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization-Background-2022">https://www.who.int/publications/i/item/WHO-MPX-Immunization-Background-2022</a>
15/11/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #10 - 16 November 2022	This is the tenth situation report for the multi-country outbreak of monkeypox, which provides details on the latest epidemiology, updates on clinical care, therapeutics, vaccination and key recommendations of third IHR EC meetings. The report also provides an update on the situation in the European Region and South East Asia Region.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-10-16-november-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-10-16-november-2022</a>
15/11/2022	FDA	News	FDA Roundup: November 15, 2022	The FDA issued an Emergency Use Authorization (EUA) to Roche Molecular Systems, Inc. for the cobas MPXV for use on the cobas 6800/8800 Systems (cobas MPXV) (EUA220459) for the qualitative detection of DNA from monkeypox virus in human lesion swab specimens from individuals suspected of monkeypox virus infection by their health care provider.	<a href="https://www.fda.gov/news-events/press-announcements/fda-roundup-november-15-2022">https://www.fda.gov/news-events/press-announcements/fda-roundup-november-15-2022</a>
15/11/2022	Ministère de la Santé et de la Prévention	Report	Monkeypox : le point sur le virus	Point sur monkeypox et bilan de vaccination (135 621 doses)	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox</a>
15/11/2022	SpF	Report	Cas de variole du singe : point de situation au 15 novembre 2022	Au 15 novembre 2022 à 12h00, 4 104 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 7 cas supplémentaires depuis le bilan du 1er novembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-15-novembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-15-novembre-2022</a>
15/11/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
14/11/2022	UKHSA	Guidelines	Monkeypox: reducing risk of transmission at vaccination clinics	Advice to help lower the chance of passing monkeypox infection to others during post-exposure vaccination clinics.	<a href="https://www.gov.uk/guidance/monkeypox-reducing-risk-of-transmission-at-vaccination-clinics">https://www.gov.uk/guidance/monkeypox-reducing-risk-of-transmission-at-vaccination-clinics</a>
14/11/2022	WHO	News	WHO/Europe providing monkeypox diagnosis support to countries that need it most	WHO/Europe identified 18 priority Member States and territories that either lacked diagnostic capacity, or the supplies needed to provide an adequate response to the outbreak, and was then able to procure and deliver US\$ 1.2m worth of supplies.	<a href="https://www.who.int/europe/news/item/14-11-2022-who-europe-providing-monkeypox-diagnosis-support-to-countries-that-need-it-most">https://www.who.int/europe/news/item/14-11-2022-who-europe-providing-monkeypox-diagnosis-support-to-countries-that-need-it-most</a>
11/11/2022	ECDC	Report	Communicable disease threats report, 6-12 November 2022, week 45	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats. This issue covers the period 6-12 November 2022 and includes updates on monitoring the FIFA World Cup in Qatar, measles, MERS-CoV, COVID-19, monkeypox, West Nile virus, diphtheria, Ebola virus disease, avian influenza, seasonal influenza, and S. sonnei.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-6-12-november-2022-week-45">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-6-12-november-2022-week-45</a>

## Monkeypox - Factsheet and news

10/11/2022	CDC US	Guidelines	Clinical Considerations for Treatment and Prophylaxis of Monkeypox Virus Infection in People with HIV	This information is intended as an aid for staff at healthcare facilities and for healthcare professionals developing plans for monkeypox treatment and prophylaxis.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/people-with-HIV.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/people-with-HIV.html</a>
08/11/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 8 November 2022	Up to 7 November 2022, there were 3,554 confirmed and 149 highly probable monkeypox cases detected in the UK: 3,703 in total.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-8-november-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-8-november-2022</a>
04/11/2022	ECDC	Report	Communicable Disease Threats Report, 30 October-5 November 2022, week 44	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-30-october-5-november-2022-week-44">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-30-october-5-november-2022-week-44</a>
03/11/2022	UKHSA	Guidelines	Principles for monkeypox control in the UK: 4 nations consensus statement	A consensus statement outlining principles for the control of monkeypox in healthcare and other settings in the UK.	<a href="https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement">https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement</a>
03/11/2022	UKHSA	Guidelines	Monkeypox: diagnostic testing (UPDATE)	Information on taking, submitting and processing samples which potentially contain monkeypox virus.	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
01/11/2022	SpF	Report	Cas de variole du singe : point de situation au 1er novembre 2022	Au 1er novembre 2022 à 12h00, 4 097 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 3 cas supplémentaires depuis le bilan du 25 octobre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-1er-novembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-1er-novembre-2022</a>
01/11/2022	WHO	News	Third meeting of the International Health Regulations (2005) (IHR) Emergency Committee regarding the multi-country outbreak of monkeypox	The event continues to meet the IHR criteria for a Public Health Emergency of International Concern (PHEIC). Reasons include ongoing transmission in some regions, continuing preparedness and response inequity within and between WHO Member States, an emerging potential for greater health impact in vulnerable populations, continuing risk of stigma and discrimination, weak health systems in some developing countries leading to under-reporting, ongoing lack of equitable access to diagnostics, antiviral and vaccines, research gaps.	<a href="https://www.who.int/news/item/01-11-2022-third-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox">https://www.who.int/news/item/01-11-2022-third-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox</a>
01/11/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 1 November 2022	Up to 31 October 2022 there were 3,552 confirmed and 149 highly probable monkeypox cases detected in the UK: 3,701 in total.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-1-november-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-1-november-2022</a>
01/11/2022	US CDC	Report	Demographics of Patients Receiving TPOXX for Treatment of Monkeypox	Reporting of patients receiving TPOXX in the USA	<a href="https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics-TPOXX.html">https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics-TPOXX.html</a>
31/10/2022	US CDC	Report	Clinical Considerations for Treatment and Prophylaxis of Monkeypox Virus Infection in People with HIV	This information is intended as an aid for staff at healthcare facilities and for healthcare professionals developing plans for monkeypox treatment and prophylaxis.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/people-with-HIV.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/people-with-HIV.html</a>
26/10/2022	US CDC	Report	How it spreads	Monkeypox spreads in a few ways.	<a href="https://www.cdc.gov/poxvirus/monkeypox/if-sick/transmission.html">https://www.cdc.gov/poxvirus/monkeypox/if-sick/transmission.html</a>
26/10/2022	ECDC	Report	Monkeypox situation update, as of 25 October 2022	Since the start of the monkeypox outbreak and as of 25 Oct 2022, 20 675 confirmed cases of MPX have been reported from 29 EU/EEA countries. In total, 51 cases have been reported from three Western Balkan countries and Turkey.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
25/10/2022	US CDC	Report	Monkeypox in Animals	What we know about monkeypox in animals	<a href="https://www.cdc.gov/poxvirus/monkeypox/veterinarian/monkeypox-in-animals.html">https://www.cdc.gov/poxvirus/monkeypox/veterinarian/monkeypox-in-animals.html</a>
25/10/2022	SpF	Report	Cas de variole du singe : point de situation au 25 octobre 2022	Au 25 octobre 2022 à 12h00, 4 094 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 10 cas supplémentaires depuis le bilan du 18 octobre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-25-octobre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-25-octobre-2022</a>
25/10/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
21/10/2022	US CDC	Guidelines	Vaccination	Interim guidance on hMPX vaccination	<a href="https://www.cdc.gov/poxvirus/monkeypox/interim-considerations/overview.html">https://www.cdc.gov/poxvirus/monkeypox/interim-considerations/overview.html</a>
21/10/2022	US CDC	Guidelines	JYNNEOS Vaccine	Interim guidance on the JYNNEOS vaccine	<a href="https://www.cdc.gov/poxvirus/monkeypox/interim-considerations/jynneos-vaccine.html">https://www.cdc.gov/poxvirus/monkeypox/interim-considerations/jynneos-vaccine.html</a>



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21/10/2022	US CDC	Guidelines	ACAM2000 Vaccine	Interim guidance on the ACAM2000 vaccine	<a href="https://www.cdc.gov/poxvirus/monkeypox/interim-considerations/acam2000-vaccine.html">https://www.cdc.gov/poxvirus/monkeypox/interim-considerations/acam2000-vaccine.html</a>
21/10/2022	UKHSA	Guidelines	Monkeypox: guidance	Information and advice for healthcare professionals and the general public.	<a href="https://www.gov.uk/government/collections/monkeypox-guidance">https://www.gov.uk/government/collections/monkeypox-guidance</a>
21/10/2022	ECDC	Report	Communicable disease threats report, 16-22 October 2022, week 42	This issue covers the period 16-22 October 2022 and includes updates on COVID-19, monkeypox, diphtheria, West Nile virus, measles, Ebola virus disease, cholera, influenza A(H5N6), poliomyelitis, seasonal influenza, and Avian influenza A(H5N1) in mink.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-16-22-october-2022-week-42">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-16-22-october-2022-week-42</a>
21/10/2022	ECDC	News	High monkeypox vaccine acceptance among male users of smartphone-based online gay-dating apps in Europe	Male adult users of smartphone-based online gay dating apps in the European region have high acceptance of monkeypox (MPX) vaccination.	<a href="https://www.ecdc.europa.eu/en/news-events/high-monkeypox-vaccine-acceptance-among-male-users-smartphone-based-online-gay-dating">https://www.ecdc.europa.eu/en/news-events/high-monkeypox-vaccine-acceptance-among-male-users-smartphone-based-online-gay-dating</a>
19/10/2022	SpF	Report	Cas de variole du singe : point de situation au 18 octobre 2022	Au 18 octobre 2022 à 12h00, 4 084 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 20 cas supplémentaires depuis le bilan du 11 octobre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-18-octobre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-18-octobre-2022</a>
19/10/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #8 - 19 October 2022	Situation report for the multi-country outbreak of monkeypox, providing details on the latest epidemiology, updates on Infection Prevention and Control, Clinical care, therapeutics and vaccine, Risk communication and advice for gatherings. The report also provides an update on the situation in the African Region and Sudan.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-8---19-october-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-8---19-october-2022</a>
18/10/2022	ECDC	Report	Monkeypox multi-country outbreak - second update	This update was triggered by the continuous decline of case numbers since the end of July 2022. Based on evidence in the current outbreak and the declining number of new infections, the overall risk of MPX infection is assessed as moderate for MSM and low for the broader population. It reinforces the need for continued investment in the response to the MPX outbreak and it includes considerations for the evolution of the outbreak and for preventing similar outbreaks with qualitative scenarios.	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-multi-country-outbreak-second-update">https://www.ecdc.europa.eu/en/publications-data/monkeypox-multi-country-outbreak-second-update</a>
14/10/2022	ECDC	Report	Communicable disease threats report, 9-15 October 2022, week 41	Since the last update on 4 October 2022, and as of 11 October 2022, 69 monkeypox cases have been reported from 13 EU/EEA countries. Since week 30-2022, the number of reported cases has constantly declined.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-9-15-october-2022-week-41">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-9-15-october-2022-week-41</a>
13/10/2022	WHO	Report	Highlights from the Meeting of the Strategic Advisory Group of Experts (SAGE) on Immunization – 3-6 October 2022	SAGE recommendations on the current Monkeypox, Poliomyelitis, Respiratory Syncytial Virus, COVID-19, and the Sudan ebolavirus outbreak	<a href="https://cdn.who.int/media/docs/default-source/immunization/sage/2022/october/highlights_sage_oct_2022.pdf?sfvrsn=69f947c4_5">https://cdn.who.int/media/docs/default-source/immunization/sage/2022/october/highlights_sage_oct_2022.pdf?sfvrsn=69f947c4_5</a>
13/10/2022	NIH	News	Monkeypox Treatment Trial Begins in the Democratic Republic of the Congo	A clinical trial to evaluate the antiviral drug tecovirimat in adults and children with monkeypox has begun in the Democratic Republic of the Congo (DRC). The NIAID/NIH and the DRC's INRB are co-leading the trial as part of the government-to-government PALM partnership.	<a href="https://www.niaid.nih.gov/news-events/monkeypox-treatment-trial-begins-democratic-republic-congo">https://www.niaid.nih.gov/news-events/monkeypox-treatment-trial-begins-democratic-republic-congo</a>
12/10/2022	SIGA	Press release	SIGA Provides Update on Progress in Clinical Trials to Assess Use of TPOXX® (tecovirimat) for Treatment of Monkeypox	- Trials are currently underway in the United States, United Kingdom and Democratic Republic of Congo - Pending positive results from clinical trials, SIGA plans to file with U.S. regulators for regulatory review of a TPOXX expanded indication for treatment of monkeypox	<a href="https://www.globenewswire.com/news-release/2022/10/12/2533368/9738/en/SIGA-Provides-Update-on-Progress-in-Clinical-Trials-to-Assess-Use-of-TPOXX-tecovirimat-for-Treatment-of-Monkeypox.html">https://www.globenewswire.com/news-release/2022/10/12/2533368/9738/en/SIGA-Provides-Update-on-Progress-in-Clinical-Trials-to-Assess-Use-of-TPOXX-tecovirimat-for-Treatment-of-Monkeypox.html</a>
12/10/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 24,973 cases of monkeypox have been identified through IHR mechanisms and official public sources up to 11 October 2022, 14:00, from 45 countries and areas throughout the European Region.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
12/10/2022	ISIDORE	News	Monkeypox virus - ISIDORE emergency call for proposals.	The ISIDORE consortium is pleased to announce a second call for proposals to support research on monkeypox virus (MPXV). Pre-application deadline: 29/11/2022	<a href="https://isidore-project.eu/calls/monkeypox-virus/">https://isidore-project.eu/calls/monkeypox-virus/</a>
11/10/2022	HAS	Guidelines	Monkeypox : la HAS complète ses recommandations sur la vaccination	La HAS a été saisie par la Direction générale de la santé et complète ses recommandations concernant le schéma vaccinal, le public concerné par la vaccination et les modalités d'administration du vaccin.	<a href="https://www.has-sante.fr/jcms/p_3376314/fr/monkeypox-la-has-complete-ses-recommandations-sur-la-vaccination">https://www.has-sante.fr/jcms/p_3376314/fr/monkeypox-la-has-complete-ses-recommandations-sur-la-vaccination</a>
11/10/2022	SpF	Report	Cas de variole du singe : point de situation au 11 octobre 2022	Au 11 octobre 2022 à 12h00, 4 064 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 21 cas supplémentaires depuis le bilan du 04 octobre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-11-octobre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-11-octobre-2022</a>
11/10/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview - 11 October 2022	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>

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07/10/2022	ECDC	Guidelines	Interim Clinical Considerations for Management of Ocular Monkeypox Virus Infection	Interim considerations for the care of people with Monkeypox virus infection involving the eye(s), including considerations for symptomatic management.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/ocular-infection.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/ocular-infection.html</a>
07/10/2022	ECDC	Report	Communicable disease threats report, 2-8 October 2022, week 40	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-2-8-october-2022-week-40">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-2-8-october-2022-week-40</a>
06/10/2022	UKHSA	Guidelines	Monkeypox: diagnostic testing	Information on taking, submitting and processing samples which potentially contain monkeypox virus.	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
06/10/2022	ANSES	Report	AVIS de l'Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail portant sur « des recommandations relatives à la réduction du risque de diffusion du virus Monkeypox aux animaux en France » - Deuxième partie (01/09/2022)	L'Anses endosse les conclusions du Gecu Monkeypox. Le risque prééminent, bien qu'étant estimé comme très faible, correspond à une contamination d'un animal de compagnie par contact direct avec une personne infectée. L'Agence souligne que les incertitudes associées à l'évaluation qualitative des risques réalisée sont importantes. Afin de les réduire, l'Anses propose des axes de sujet de recherche pertinents.	<a href="https://www.anses.fr/fr/system/files/SABA2022S_A0102-1.pdf">https://www.anses.fr/fr/system/files/SABA2022S_A0102-1.pdf</a>
05/10/2022	WHO	Guidelines	Monkeypox Strategic Preparedness, Readiness, and Response Plan (SPRP)	The Monkeypox Strategic Preparedness, Readiness, and Response Plan (SPRP) outlines a framework of priorities for aligning collective efforts towards the goal of stopping the monkeypox outbreak.	<a href="https://www.who.int/publications/m/item/monkeypox-strategic-preparedness-readiness-and-response-plan-(sprp)">https://www.who.int/publications/m/item/monkeypox-strategic-preparedness-readiness-and-response-plan-(sprp)</a>
05/10/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #7 - 5 October 2022	During the week of 26 September to 2 October 2022, the number of monkeypox cases reported in the Regions of Europe and the Americas declined, driving the overall downward trend observed since August 2022.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-7---5-october-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-7---5-october-2022</a>
05/10/2022	Kaiser Family Foundation	Report	National Data Show Continuing Disparities in Monkeypox (MPX) Cases and Vaccinations Among Black and Hispanic People	MPX case rates among Black people are over five times those of White people (14.4 vs. 2.6 per 100,000). Overall, Black people account for the largest share of MPX cases, and both Black and Hispanic people account for larger shares of cases compared with their shares of the population. However, Black and Hispanic people have received smaller shares of MPX vaccines compared to their shares of cases.	<a href="https://www.kff.org/racial-equity-and-health-policy/issue-brief/national-data-show-continuing-disparities-in-mpx-monkeypox-cases-and-vaccinations-among-black-and-hispanic-people/">https://www.kff.org/racial-equity-and-health-policy/issue-brief/national-data-show-continuing-disparities-in-mpx-monkeypox-cases-and-vaccinations-among-black-and-hispanic-people/</a>
05/10/2022	SpF	Report	Cas de variole du singe : point de situation au 4 octobre 2022	Au 04 octobre 2022 à 12h00, 4 043 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 44 cas supplémentaires depuis le bilan du 27 septembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-4-octobre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-4-octobre-2022</a>
05/10/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 24,833 cases of monkeypox have been identified through IHR mechanisms and official public sources up to 04 October 2022, 14:00, from 44 countries and areas throughout the European region.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
05/10/2022	ECDC	Report	Monkeypox situation update, as of 4 October 2022	Since the start of the monkeypox outbreak, and as of 4 October 2022, 20 248 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries. In total, 60 cases have been reported from three Western Balkan countries and Turkey.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
05/10/2022	WHO	Guidelines	Monkeypox Strategic Preparedness, Readiness, and Response Plan (SPRP)	The Monkeypox Strategic Preparedness, Readiness, and Response Plan (SPRP) outlines a framework of priorities for aligning collective efforts towards the goal of stopping the monkeypox outbreak.	<a href="https://www.who.int/publications/m/item/monkeypox-strategic-preparedness-readiness-and-response-plan-(sprp)">https://www.who.int/publications/m/item/monkeypox-strategic-preparedness-readiness-and-response-plan-(sprp)</a>
04/10/2022	Ministère de la Santé et de la Prévention	Report	Monkeypox : le point sur le virus	Point sur monkeypox et bilan de vaccination (112 777 doses)	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox</a>
04/10/2022	US CDC	Guidelines	Clinical Considerations for Monkeypox in Children and Adolescents	Considerations on clinical management of children and adolescents less than ages 18 years with exposure to monkeypox or concern for Monkeypox virus infection.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/pediatric.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/pediatric.html</a>
04/10/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
03/10/2022	ANSES	News	Variole du singe : quel risque de diffusion aux animaux de compagnie ?	A quels animaux de compagnie l'être humain peut-il transmettre la variole du singe ? Suite à l'augmentation du nombre de personnes infectées par ce virus dans de nombreux pays, dont la France, l'Anses a été saisie en urgence sur cette question.	<a href="https://www.anses.fr/fr/content/variole-du-singe-quel-risque-de-diffusion-aux-animaux-de-compagnie">https://www.anses.fr/fr/content/variole-du-singe-quel-risque-de-diffusion-aux-animaux-de-compagnie</a>
28/09/2022	SpF	Report	Cas de variole du singe : point de situation au 27 septembre 2022	Au 27 septembre 2022 à 12h00, 3 999 cas confirmés d'infection par le virus Monkeypox ont été recensés en France, soit 56 cas supplémentaires depuis le bilan du 20 septembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-27-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-27-septembre-2022</a>

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27/09/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 27 September 2022	Up to 26 September 2022 there were 3,485 confirmed and 150 highly probable monkeypox cases in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-27-september-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-27-september-2022</a>
27/09/2022	WHO	News	PAHO calls for more collaborative action to stop monkeypox outbreak in the region	As monkeypox cases remain at around 40,000 in the Americas, the PAHO called on countries to intensify the response actions, prioritizing detection, surveillance and community engagement to reduce new cases and put an end to the outbreak in the region.	<a href="https://www.paho.org/en/news/27-9-2022-paho-calls-more-collaborative-action-stop-monkeypox-outbreak-region">https://www.paho.org/en/news/27-9-2022-paho-calls-more-collaborative-action-stop-monkeypox-outbreak-region</a>
27/09/2022	ECDC	Report	Monkeypox situation update, as of 27 September 2022	As of 27 September 2022, 20 083 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries. In total, 58 cases have been reported from three Western Balkan countries and Turkey.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
26/09/2022	European Commission	News	Monkeypox: Commission purchases treatment courses to meet immediate needs	The Commission has secured over 10,000 treatment courses of tecovirimat to treat Monkeypox. This emergency procurement is funded by HERA and channelled via rescEU to treat patients in Member States with immediate needs.	<a href="https://ec.europa.eu/commission/presscorner/detail/en/IP_22_5482">https://ec.europa.eu/commission/presscorner/detail/en/IP_22_5482</a>
26/09/2022	UKHSA	Guidelines	Smallpox and monkeypox: the green book, chapter 29	Smallpox and monkeypox immunisation information for public health professionals.	<a href="https://www.gov.uk/government/publications/smallpox-and-vaccinia-the-green-book-chapter-29">https://www.gov.uk/government/publications/smallpox-and-vaccinia-the-green-book-chapter-29</a>
23/09/2022	CDC US	Guidelines	Monkeypox Vaccine Equity Toolkit	his toolkit provides strategies, actions, and resources to increase vaccination among populations most affected by monkeypox but less likely to be vaccinated.	<a href="https://www.cdc.gov/poxvirus/monkeypox/resources/toolkits/vaccine-equity.html">https://www.cdc.gov/poxvirus/monkeypox/resources/toolkits/vaccine-equity.html</a>
23/09/2022	US CDC	Guidelines	Biosafety Laboratory Guidance for Handling and Processing Monkeypox Specimens	All clinical specimens may contain potentially infectious materials. Take precautions when handling specimens suspected or confirmed positive for monkeypox. Timely communication between clinical and laboratory staff is essential to minimize the potential risk of laboratory transmission when handling and testing specimens from patients with possible monkeypox. Label specimens accordingly and alert the receiving laboratory to ensure that specimens are handled properly. Correct handling and storage of specimens during transportation are essential for accurate diagnostic testing.	<a href="https://www.cdc.gov/poxvirus/monkeypox/lab-personnel/lab-procedures.html">https://www.cdc.gov/poxvirus/monkeypox/lab-personnel/lab-procedures.html</a>
23/09/2022	ECDC	Report	Communicable disease threats report, 18-24 September 2022, week 38	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats. This issue covers the period 18-24 September 2022 and includes updates on cholera, polio, COVID-19, monkeypox, West Nile virus, and Ebola virus disease.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-18-24-september-2022-week-38">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-18-24-september-2022-week-38</a>
23/09/2022	ECDC	Guidelines	Monkeypox (MPX) Reporting Protocol 2022	This reporting protocol is intended for reporting national case-based data for surveillance of monkeypox from all the countries and areas of the WHO European Region, including the 27 countries of the European Union (EU) and the additional three countries of the European Economic Area (EEA), to the European level.	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022">https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022</a>
23/09/2022	UKHSA	News	Second vaccine doses to be offered to those at highest risk from monkeypox	Clinics continue to prioritise first doses for those at highest risk.	<a href="https://www.gov.uk/government/news/second-vaccine-doses-to-be-offered-to-those-at-highest-risk-from-monkeypox">https://www.gov.uk/government/news/second-vaccine-doses-to-be-offered-to-those-at-highest-risk-from-monkeypox</a>
23/09/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 8	UK Technical briefing as of 23 September, including risk assessment, epidemiology update, trends in other infections primarily transmitted in sexual networks of GBMSM, monkeypox vaccination, transmission dynamics, genomic surveillance.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-8">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-8</a>
22/09/2022	US CDC	Report	Demographics of Patients Receiving TPOXX for Treatment of Monkeypox	The demographics of patients prescribed TPOXX treatment are based on the patient intake forms CDC has received and abstracted. However, this number underestimates the number of patients who are receiving TPOXX treatment as healthcare providers can start treatment before submitting IND paperwork to CDC.	<a href="https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics-TPOXX.html">https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics-TPOXX.html</a>
21/09/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #6 - 21 September 2022	During the week of 12 to 18 September 2022, the number of monkeypox cases reported in the Regions of Europe and the Americas declined, driving the global downward trend observed since August 2022. Since the last edition (07/09/2022°, 8757 new cases and five new deaths have been reported. The Region of the Americas published a Risk Statement, classifying the overall risk in the Region as High.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-6---21-september-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-6---21-september-2022</a>
21/09/2022	SpF	Report	Cas de variole du singe : point de situation au 20 septembre 2022	Au 20 septembre 2022 à 12h00, 3 943 cas confirmés d'infection à virus Monkeypox ont été recensés en France, soit 110 cas supplémentaires depuis le bilan du 12 septembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-20-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-20-septembre-2022</a>

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21/09/2022	UKHSA	Guidelines	De-isolation and discharge of monkeypox-infected patients: interim guidance	Interim guidance to support NHS Trusts in managing the de-isolation and discharge of monkeypox-infected patients.	<a href="https://www.gov.uk/guidance/de-isolation-and-discharge-of-monkeypox-infected-patients-interim-guidance">https://www.gov.uk/guidance/de-isolation-and-discharge-of-monkeypox-infected-patients-interim-guidance</a>
21/09/2022	ECDC	Report	Monkeypox situation update, as of 20 September 2022	Since the start of the monkeypox outbreak, and as of 20 September 2022, 19 827 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries, in total 47 cases have been reported from three Western Balkan countries and Turkey.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
20/09/2022	US CDC	Guidelines	Autopsy and Handling of Human Remains of Patients with Monkeypox	All post-mortem procedures require adherence to standard precautions with the use of appropriate personal protective equipment (PPE) and facilities with appropriate safety features.	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/autopsy.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/autopsy.html</a>
20/09/2022	UKHSA	Guidelines	HCID status of monkeypox	Information on the status of monkeypox as a high consequence infectious disease (HCID).	<a href="https://www.gov.uk/guidance/hcid-status-of-monkeypox">https://www.gov.uk/guidance/hcid-status-of-monkeypox</a>
20/09/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
16/09/2022	SpF	Report	Cas de variole du singe : point de situation au 15 septembre 2022	Au 15 septembre 2022 à 12h, 3 898 cas confirmés d'infections autochtones par le virus Monkeypox ont été recensés en France, soit 113 cas supplémentaires depuis le bilan du 8 septembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-15-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-15-septembre-2022</a>
16/09/2022	ECDC	Report	Communicable disease threats report, 11-17 September 2022, week 37	This issue of the ECDC Communicable Disease Threats Report (CDTR) covers the period 11-17 September 2022 and includes updates on COVID-19, monkeypox, West Nile virus infection, dengue, and poliovirus.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-11-17-september-2022-week-37">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-11-17-september-2022-week-37</a>
15/09/2022	HAS	Guidelines	Réponses Rapides : infection par le virus Monkeypox – Prise en charge en médecine de 1er recours	Cette fiche a pour objectif d'accompagner les professionnels de santé de premier recours dans la prise en charge des patients présentant des symptômes évocateurs d'une infection par le virus Monkeypox (MPXV) (ou variole du singe ou variole simienne) ou des patients ayant été en contact avec une personne infectée par ce virus.	<a href="https://www.has-sante.fr/jcms/p_3361191/fr/reponse-s-rapides-infection-par-le-virus-monkeypox-prise-en-charge-en-medecine-de-1er-recours#:~:text=R%C3%A9ponse%20Rapide%201%20%3A%20L'infection,%2C%20vaisselle...">https://www.has-sante.fr/jcms/p_3361191/fr/reponse-s-rapides-infection-par-le-virus-monkeypox-prise-en-charge-en-medecine-de-1er-recours#:~:text=R%C3%A9ponse%20Rapide%201%20%3A%20L'infection,%2C%20vaisselle...</a>
14/09/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 23,837 cases of monkeypox have been identified through IHR mechanisms and official public sources up to 13 September 2022, 14:00, from 43 countries and areas throughout the European region. Case-based data were reported for 23,623 cases from 36 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 13 September 2022, 10:00.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
14/09/2022	ECDC	Report	Monkeypox situation update, as of 13 September 2022	Report on monkeypox outbreak in the EU as of 13 September 2022, including risk assessment, geographical distribution, number of cases.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
14/09/2022	European Commission	Statement	Statement by European Commissioner for Health and Food Safety Stella Kyriakides and WHO Regional Director for Europe Dr Hans Henri P. Kluge on preventing monkeypox from becoming endemic in Europe	the Commissioner for Health and Food Safety, Stella Kyriakides, and WHO Regional Director for Europe, Dr Hans Henri P. Kluge, reconfirmed their joint efforts to prevent monkeypox from becoming endemic in Europe.	<a href="https://ec.europa.eu/commission/presscorner/detail/en/statement_22_5498">https://ec.europa.eu/commission/presscorner/detail/en/statement_22_5498</a>
13/09/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Up to 12 September 2022 there were 3,407 confirmed and 145 highly probable monkeypox cases in the UK: 3,552 in total. Of these, 92 were in Scotland, 31 were in Northern Ireland, 46 were in Wales and 3,383 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
13/09/2022	ECDC	Report	Monkeypox situation update, as of 13 September 2022	Since the start of the monkeypox outbreak and as of 13 September 2022, 19 379 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries, in addition, 47 cases have been reported from three Western Balkan countries and Turkey.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
12/09/2022	SpF	Report	Cas de variole du singe : point de situation au 12 septembre 2022	Au 12 septembre 2022 à 12h00, 3 833 cas confirmés ont été recensés en France, soit 112 cas supplémentaires depuis le bilan du 6 septembre.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-12-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-12-septembre-2022</a>
09/09/2022	US CDC	News	U.S. Clinical Trial Evaluating Antiviral for Monkeypox Begins	A Phase 3 clinical trial evaluating the antiviral tecovirimat, also known as TPOXX, is now enrolling adults and children with monkeypox infection in the United States.	<a href="https://www.niaid.nih.gov/news-events/us-clinical-trial-evaluating-antiviral-monkeypox-begins">https://www.niaid.nih.gov/news-events/us-clinical-trial-evaluating-antiviral-monkeypox-begins</a>
09/09/2022	US CDC	Guidelines	Toolkits for Community, Work, and School	Information for Where You Live, Work, Learn, and Play	<a href="https://www.cdc.gov/poxvirus/monkeypox/resources/toolkits/community-work-school.html">https://www.cdc.gov/poxvirus/monkeypox/resources/toolkits/community-work-school.html</a>

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08/09/2022	US CDC	News	Clinical Trial Evaluating Monkeypox Vaccine Begins	A clinical trial evaluating alternative strategies for administering the JYNNEOS monkeypox vaccine to increase the number of available doses has begun enrolling adult volunteers in the US.	<a href="https://www.nih.gov/news-events/news-releases/clinical-trial-evaluating-monkeypox-vaccine-begins">https://www.nih.gov/news-events/news-releases/clinical-trial-evaluating-monkeypox-vaccine-begins</a>
08/09/2022	ECDC	Guidelines	Monkeypox (MPX) Reporting Protocol 2022	This reporting protocol is intended for reporting national case-based data for surveillance of monkeypox from all the countries and areas of the WHO European Region, including the 27 countries of the European Union (EU) and the additional three countries of the European Economic Area (EEA), to the European level.	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022">https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022</a>
08/09/2022	SpF	Report	Cas de variole du singe : point de situation au 8 septembre 2022	Au 08/09/2022 à 12h, 3 785 cas confirmés d'infections autochtones par le virus Monkeypox ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-8-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-8-septembre-2022</a>
08/09/2022	NIH	News	Clinical Trial Evaluating Monkeypox Vaccine Begins	A clinical trial evaluating alternative strategies for administering the JYNNEOS monkeypox vaccine to increase the number of available doses has begun enrolling adult volunteers in the US.	<a href="https://www.nih.gov/news-events/news-releases/clinical-trial-evaluating-monkeypox-vaccine-begins">https://www.nih.gov/news-events/news-releases/clinical-trial-evaluating-monkeypox-vaccine-begins</a>
07/09/2022	US CDC	Guidelines	Safer Sex, Social Gatherings, and Monkeypox	This information can help you make informed choices when you are in situations or places where monkeypox could be spread. Monkeypox is often transmitted through close, sustained physical contact, almost exclusively associated with sexual contact in the current outbreak.	<a href="https://www.cdc.gov/poxvirus/monkeypox/prevention/sexual-health.html">https://www.cdc.gov/poxvirus/monkeypox/prevention/sexual-health.html</a>
07/09/2022	ECDC/WHO	Data	Data on monkeypox cases in the EU/EEA	The downloadable data file contains information on the number of monkeypox cases reported by EU/EEA countries or collected throughout epidemiologic intelligence at ECDC.	<a href="https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea">https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea</a>
07/09/2022	ECDC	Report	Monkeypox situation update, as of 6 September 2022, Epidemiological update	Since the start of the monkeypox outbreak and as of 6 September 2022, 18 844 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries. In total, 47 cases have been reported from three Western Balkan countries and Turkey.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
07/09/2022	UKHSA	Report	Monkeypox: people who are isolating at home (UPDATE)	Guidance for people who have been diagnosed with a monkeypox infection and who have been advised to self-isolate at home.	<a href="https://www.gov.uk/guidance/guidance-for-people-with-monkeypox-infection-who-are-isolating-at-home">https://www.gov.uk/guidance/guidance-for-people-with-monkeypox-infection-who-are-isolating-at-home</a>
06/09/2022	SpF	Report	Cas de variole du singe : point de situation au 6 septembre 2022	Au 06 septembre 2022 à 12h00, 3 721 cas confirmés biologiquement ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-6-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-6-septembre-2022</a>
06/09/2022	UKHSA	Guidelines	Monkeypox vaccination resources	Information on the smallpox vaccination used to protect you against the monkeypox virus.	<a href="https://www.gov.uk/government/publications/monkeypox-vaccination-resources">https://www.gov.uk/government/publications/monkeypox-vaccination-resources</a>
06/09/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview	Overview of the current monkeypox outbreak in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview</a>
02/09/2022	US CDC	Guidelines	Information For Laboratory Personnel	Measures should be taken to minimize the risk of laboratory transmission when testing routine clinical specimens from confirmed or suspected monkeypox patients.	<a href="https://www.cdc.gov/poxvirus/monkeypox/lab-personnel/index.html">https://www.cdc.gov/poxvirus/monkeypox/lab-personnel/index.html</a>
02/09/2022	ECDC	Report	Communicable disease threats report, 28 August-3 September 2022, week 35	The ECDC Communicable Disease Threats Report (CDTR) is a weekly bulletin for epidemiologists and health professionals on active public health threats. This issue covers the period 28 August-3 September 2022 and includes updates on COVID-19, monkeypox, West Nile virus, increase in hepatitis cases of unknown aetiology in children, Vibrio, and poliomyelitis.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-28-august-3-september-2022-week-35">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-28-august-3-september-2022-week-35</a>
02/09/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 7	UK Technical briefing as of 26 August (3,389 laboratory-detected cases), including risk assessment, epidemiology update, monkeypox vaccination, transmission dynamics.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-7">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-7</a>
02/09/2022	Ministère de la Santé et de la Prévention	Report	Monkeypox : le point sur le virus	Information on the situation in France and abroad, on transmission, and vaccination rates in France	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/monkeypox/cas-groupes-d-infection-par-le-virus-monkeypox</a>
01/09/2022	UKHSA	Report	Monkeypox cases confirmed in England – latest updates	Monkeypox case linked with travel to West Africa identified	<a href="https://www.gov.uk/government/news/monkeypox-cases-confirmed-in-england-latest-updates#full-publication-update-history">https://www.gov.uk/government/news/monkeypox-cases-confirmed-in-england-latest-updates#full-publication-update-history</a>

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01/09/2022	SpF	Report	Cas de variole du singe : point de situation au 1er septembre 2022	Au 01/09/2022 à 12h, 3 646 cas confirmés ont été recensés en France. Le nombre de cas rapportés chez des femmes est faible (maximum 12 cas signalés en semaine 34) mais la proportion de cas confirmés féminin augmente sur les dernières semaines.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-1er-septembre-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-1er-septembre-2022</a>
31/08/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	Up to August 30, a total of 22363 cases of monkeypox have been identified through IHR mechanisms and official public sources, from 43 countries and areas throughout the European region. Case-based data were reported for 22050 cases from 36 countries and areas to ECDC and the WHO Regional Office for Europe through TESSy.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
30/08/2022	UKHSA	Report	HAIRS risk assessment: monkeypox	Qualitative assessment of the risk that mammalian pets exposed to monkeypox virus present to the UK population.	<a href="https://www.gov.uk/government/publications/haairs-risk-assessment-monkeypox">https://www.gov.uk/government/publications/haairs-risk-assessment-monkeypox</a>
30/08/2022	StatNews	News	10 key questions about monkeypox the world needs to answer	With little attention from the international community, monkeypox research received scant funding over the ensuing decades, leaving many key questions about the virus unanswered. The current outbreak, which is unique both in the speed of spread and the ways in which people are becoming infected, has also prompted new ones.	<a href="https://www.statnews.com/2022/08/30/10-key-questions-about-monkeypox-the-world-needs-to-answer/">https://www.statnews.com/2022/08/30/10-key-questions-about-monkeypox-the-world-needs-to-answer/</a>
30/08/2022	SpF	Report	Cas de variole du singe : point de situation au 29 août 2022	Au 29 août 2022 à 12h00, 3 547 cas confirmés biologiquement ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-29-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-29-aout-2022</a>
30/08/2022	ECDC	Report	Monkeypox situation update, as of 29 August 2022	Since the start of the monkeypox outbreak and as of 29 August 2022, 18 072 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
26/08/2022	UKHSA	Guidelines	Monkeypox: people who are isolating at home	Guidance for people who have been diagnosed with a monkeypox infection and who have been advised to self-isolate at home (UPDATE)	<a href="https://www.gov.uk/guidance/guidance-for-people-with-monkeypox-infection-who-are-isolating-at-home">https://www.gov.uk/guidance/guidance-for-people-with-monkeypox-infection-who-are-isolating-at-home</a>
26/08/2022	UKHSA	Guidelines	Monkeypox vaccination recommendations	Recommendations for the use of pre and post exposure vaccination during a monkeypox incident (UPDATE)	<a href="https://www.gov.uk/government/publications/monkeypox-vaccination">https://www.gov.uk/government/publications/monkeypox-vaccination</a>
26/08/2022	WHO	News	Perceptions of monkeypox from those most at risk: men who have sex with men having multiple sexual partners	WHO interviewed 5 men at high risk of monkeypox, observing a shift in sexual behaviours as a result of ongoing cases	<a href="https://www.who.int/europe/news/item/26-08-2022-perceptions-of-monkeypox-from-those-most-at-risk-men-who-have-sex-with-men-having-multiple-sexual-partners">https://www.who.int/europe/news/item/26-08-2022-perceptions-of-monkeypox-from-those-most-at-risk-men-who-have-sex-with-men-having-multiple-sexual-partners</a>
25/08/2022	ECRAID	News	Ecraid intensifies efforts against monkeypox	Ecraid is now operating in outbreak response mode 3 (response) for adults, and in outbreak response mode 2 (mobilisation) for children.	<a href="https://ecraid.eu/news/ecraid-intensifies-efforts-against-monkeypox">https://ecraid.eu/news/ecraid-intensifies-efforts-against-monkeypox</a>
24/08/2022	WHO	Guidelines	Vaccines and immunization for monkeypox: Interim guidance, 24 August 2022	New update on vaccination guidance for monkeypox from the WHO.	<a href="https://www.who.int/publications/i/item/WHO-MPX-Immunization-2022.2-eng">https://www.who.int/publications/i/item/WHO-MPX-Immunization-2022.2-eng</a>
24/08/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #4 - 24 August 2022	Fourth situation report for the multi-country outbreak of monkeypox, which provides details on the latest epidemiology, a short summary on infections among health workers, updates on guidance documents and on WHO advice.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-4-24-august-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-4-24-august-2022</a>
24/08/2022	ECDC	Report	Join ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	ECDC report on cases in Europe (21098 cases in 43 countries as of 23/08). Includes key indicators such as case summary, epicurves, demographics, clinical description, outcome/HIV status/HCW, sexual orientation, microbiological analyses.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
23/08/2022	SpF	Report	Cas de variole du singe : point de situation au 23 août 2022	Au 23 août 2022 à 18h00, 3 421 cas confirmés biologiquement ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-23-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-23-aout-2022</a>
23/08/2022	University of Oxford	News	PLATINUM - Placebo-controlled randomised trial of tecovirimat in non-hospitalised monkeypox patients	The PLATINUM study, a UK-wide clinical trial testing tecovirimat, was launched in the UK and recruitments has started.	<a href="https://www.platinumtrial.ox.ac.uk/">https://www.platinumtrial.ox.ac.uk/</a>
23/08/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 23 August 2022	Up to 22 August 2022 there were 3,207 confirmed and 133 highly probable monkeypox cases in the UK: 3,340 in total.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-23-august-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-23-august-2022</a>

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22/08/2022	UKHSA	News	Monkeypox vaccines to be piloted in smaller but equally effective doses	Eligible patients offered smaller but equally effective doses of the vaccine, stretching existing supplies to protect more people.	<a href="https://www.gov.uk/government/news/monkey-pox-vaccines-to-be-piloted-in-smaller-but-equally-effective-doses">https://www.gov.uk/government/news/monkey-pox-vaccines-to-be-piloted-in-smaller-but-equally-effective-doses</a>
19/08/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 6	UK Technical briefing as of 15 August, including risk assessment, epidemiology update, monkeypox vaccination, transmission dynamics.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-6">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-6</a>
19/08/2022	ECDC	Report	Monkeypox situation update, as of 18 August 2022	Since the start of the monkeypox outbreak and as of 18 August 2022, 16 162 confirmed cases of monkeypox (MPX) have been reported from 29 EU/EEA countries.	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update">https://www.ecdc.europa.eu/en/news-events/monkeypox-situation-update</a>
19/08/2022	EMA	Guidelines	EMA's Emergency Task Force advises on intradermal use of Imvanex / Jynneos against monkeypox	national authorities may decide as a temporary measure to use Imvanex as an intradermal injection at a lower dose to protect at-risk individuals during the current monkeypox outbreak while supply of the vaccine remains limited.	<a href="https://www.ema.europa.eu/en/news/emas-emergency-task-force-advises-intradermal-use-imvanex-jynneos-against-monkeypox">https://www.ema.europa.eu/en/news/emas-emergency-task-force-advises-intradermal-use-imvanex-jynneos-against-monkeypox</a>
18/08/2022	SpF	Report	Cas de variole du singe : point de situation au 18 août 2022	Au 18 août 2022 à 12h00, 2 889 cas confirmés ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-18-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-18-aout-2022</a>
18/08/2022	Poz	News	Monkeypox Heavily Impacts Black and Latino Gay Men	A discussion on how the growing monkeypox outbreak is increasingly mirroring the disparities of the HIV epidemic.	<a href="https://www.poz.com/article/monkeypox-heavily-impacting-black-latino-gay-men">https://www.poz.com/article/monkeypox-heavily-impacting-black-latino-gay-men</a>
17/08/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 19429 cases of monkeypox have been identified through IHR mechanisms and official public sources, from 43 countries and areas throughout the European region. Case-based data were reported for 18960 cases from 36 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 16 August 2022.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
16/08/2022	ECDC	Guidelines	Monkeypox infection prevention and control guidance for primary and acute care settings	This document provides guidance on infection prevention and control (IPC) measures for primary and acute healthcare settings in the European Union/European Economic Area (EU/EEA) to prevent healthcare-associated transmission of monkeypox (MPX).	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-infection-prevention-and-control-guidance-primary-and-acute-care">https://www.ecdc.europa.eu/en/publications-data/monkeypox-infection-prevention-and-control-guidance-primary-and-acute-care</a>
16/08/2022	SpF	Report	Cas de variole du singe : point de situation au 11 août 2022	Au 16 août 2022 à 12h00, 2 749 cas confirmés ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-16-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-16-aout-2022</a>
16/08/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 16 August 2022	Up to 15 August 2022 there were 3,081 confirmed and 114 highly probable monkeypox cases in the UK: 3,195 in total. Of these, 75 were in Scotland, 27 were in Northern Ireland, 43 were in Wales and 3,050 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-16-august-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-16-august-2022</a>
16/08/2022	UKHSA	Report	Monkeypox case data by region and upper tier local authority (UTLA) of residence, England, 16 August 2022	Excel version of all case data by region and UTLA of residence, England.	<a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1098211/2022-08-16_mpx_UTLA_data_bygeo ods">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1098211/2022-08-16_mpx_UTLA_data_bygeo ods</a>
12/08/2022	WHO	News	Monkeypox: experts give virus variants new names	The proper naming structure will be represented by a Roman numeral for the clade and a lower-case alphanumeric character for the subclades. Thus, the new naming convention comprises Clade I, Clade IIa and Clade IIb, with the latter referring primarily to the group of variants largely circulating in the 2022 global outbreak.	<a href="https://www.who.int/news/item/12-08-2022-monkeypox-experts-give-virus-variants-new-names">https://www.who.int/news/item/12-08-2022-monkeypox-experts-give-virus-variants-new-names</a>
11/08/2022	SpF	Report	Cas de variole du singe : point de situation au 11 août 2022	Au 11 août 2022 à 12h00, 2 673 cas confirmés ont été recensés en France.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-11-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-11-aout-2022</a>



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10/08/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #3 - 10 August 2022	<ul style="list-style-type: none"> <li>- For the first time, monkeypox deaths have been reported in countries outside of the African Region.</li> <li>- WHO carried out consultations to rename monkeypox virus (MPXV) variants. Suggestions are welcome. Other processes are on-going for the renaming of the virus itself and its clades.</li> <li>- Vaccination programmes for monkeypox should be accompanied by strong information campaigns conveying that it takes approximately two weeks from completion of a vaccination series for immunity to fully develop.</li> <li>- WHO urges countries to scale up their response, and to implement the recommendations included in the declaration of the Public Health Emergency of International Concern.</li> </ul>	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-3---10-august-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report-3---10-august-2022</a>
10/08/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 17897 cases of monkeypox have been identified through IHR mechanisms and official public resources up to 9 August 2022, from 41 countries and areas throughout the European region. Case-based data were reported for 17509 cases from 35 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy).	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
10/08/2022	SpF	Report	Cas de variole du singe : point de situation au 9 août 2022	Au 9 août 2022 à 12h00, 2 601 cas confirmés ont été recensés en France. Les cas résidaient le plus fréquemment en Ile-de-France (885 cas soit 47 % des cas dont la région de résidence est connue), en Occitanie (230 cas, soit 12 %) et en Auvergne-Rhône-Alpes (192 cas, soit 10 %).	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-9-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-9-aout-2022</a>
09/08/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 09 August 2022	Up to 8 August 2022 there were 2,914 confirmed and 103 highly probable monkeypox cases in the UK: 3,017 in total. Of these, 69 were in Scotland, 25 were in Northern Ireland, 40 were in Wales and 2,883 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-9-august-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-9-august-2022</a>
08/08/2022	US FDA	News	Monkeypox Update: FDA Authorizes Emergency Use of JYNNEOS Vaccine to Increase Vaccine Supply	the U.S. FDA issued an emergency use authorization (EUA) for the JYNNEOS vaccine to allow healthcare providers to use the vaccine by intradermal injection for individuals 18 years of age and older who are determined to be at high risk for monkeypox infection. This will increase the total number of doses available for use by up to five-fold.	<a href="https://www.fda.gov/news-events/press-announcements/monkeypox-update-fda-authorizes-emergency-use-jynneos-vaccine-increase-vaccine-supply">https://www.fda.gov/news-events/press-announcements/monkeypox-update-fda-authorizes-emergency-use-jynneos-vaccine-increase-vaccine-supply</a>
05/08/2022	ECDC	Report	Communicable disease threats report, 31 July-6 August, week 31	Since the last update on 28 July 2022, 797 monkeypox cases have been reported from 21 EU/EEA countries. Two death have been reported from Spain.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-31-july-6-august-week-31">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-31-july-6-august-week-31</a>
05/08/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 5	Update on the UK situation detailing: Risk assessment as of 1 August 2022, Research and evidence gaps prioritisation and activity, Epidemiology update, Transmission dynamics, UK Genomics data	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-5">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-5</a>
05/08/2022	UKHSA	News	UK monkeypox case numbers begin to plateau	Dr Meera Chand, Director of Clinical and Emerging Infections, UKHSA, said: "While the most recent data suggests the growth of the outbreak has slowed, we cannot be complacent"	<a href="https://www.gov.uk/government/news/uk-monkeypox-case-numbers-begin-to-plateau">https://www.gov.uk/government/news/uk-monkeypox-case-numbers-begin-to-plateau</a>
04/08/2022	SpF	Report	Cas de variole du singe : point de situation au 4 août 2022	Au 4 août 2022 à 12h00, 2 423 cas confirmés ont été recensés en France. Les cas résidaient le plus fréquemment en Ile-de-France (862 cas soit 49 % des cas dont la région de résidence est connue), en Occitanie (210 cas, soit 12 %) et en Auvergne-Rhône-Alpes (181 cas, soit 10 %).	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-4-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-4-aout-2022</a>
03/08/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 15926 cases of monkeypox have been identified through IHR mechanisms and official public resources up to 2 August 2022, 14:00, from 38 countries and areas throughout the European region. Case-based data were reported for 15624 cases from 32 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 2 August 2022, 10:00.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
02/08/2022	SpF	Report	Cas de variole du singe : point de situation au 2 août 2022	Au 2 août 2022 à 12h00, 2 239 cas confirmés ont été recensés en France. Les cas résidaient le plus fréquemment en Ile-de-France (845 cas soit 50 % des cas dont la région de résidence est connue), en Occitanie (196 cas, soit 12 %) et en Auvergne-Rhône-Alpes (173 cas, soit 10 %).	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-2-aout-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-2-aout-2022</a>
02/08/2022	MHLW Japan	News	Japan Approves KM Biologics' Smallpox Vaccine for Monkeypox	The Japanese government on August 2 approved KM Biologics' freeze-dried smallpox vaccine LC16 "KMB" for an additional indication for the prevention of monkeypox.	<a href="https://pj.jiho.jp/article/247203">https://pj.jiho.jp/article/247203</a>
02/08/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 02 August 2022	Up to 1 August 2022 there were 2,672 confirmed and 87 highly probable monkeypox cases in the UK: 2,759 in total. Of these, 65 were in Scotland, 24 were in Northern Ireland, 32 were in Wales and 2,638 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-2-august-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-2-august-2022</a>

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01/08/2022	US CDC	Guidelines	Isolation and Prevention Practices for People with Monkeypox	Latest update of the isolation and prevention practices guidelines	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/isolation-procedures.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/isolation-procedures.html</a>
01/08/2022	WHO	Protocol	CORE PROTOCOL - An international adaptive multi-country randomized, placebo-controlled, double-blinded trial of the safety and efficacy of treatments for patients with monkeypox virus disease	Following consultations held in June and July 2022 organized by the INRB from the DRC, the ANRS MIE, and US NIAID/NIH with the support of WHO, a core protocol has been redacted. This will be used as a base for an international adaptive multi-country clinical trial for evaluation of safety and efficacy of treatments against monkeypox. Any research institution interested in joining this international trial can contact the trial secretariat at the following address: <a href="mailto:clinicaltrialmonkeypox@anrs.fr">clinicaltrialmonkeypox@anrs.fr</a>	<a href="https://www.who.int/publications/m/item/core-protocol---an-international-adaptive-multi-country-randomized-placebo-controlled-double-blinded-trial-of-the-safety-and-efficacy-of-treatments-for-patients-with-monkeypox-virus-disease">https://www.who.int/publications/m/item/core-protocol---an-international-adaptive-multi-country-randomized-placebo-controlled-double-blinded-trial-of-the-safety-and-efficacy-of-treatments-for-patients-with-monkeypox-virus-disease</a>
01/08/2022	WHO	Webinar	WHO Monkeypox Research - What study designs can be used to address the remaining knowledge gaps for monkeypox vaccines?	The WHO R&D Blueprint is organizing a consultation to discuss knowledge gaps and priority research questions for monkeypox vaccine research. It will be held on August 2nd, from 1 PM to 6 PM CET. Registration at <a href="https://who-e.zoom.us/join/48291782924">https://who-e.zoom.us/join/48291782924</a>	<a href="https://www.who.int/news-room/events/detail/2022/08/02/default-calendar/who-monkeypox-research---what-study-designs-can-be-used-to-address-the-remaining-knowledge-gaps-for-monkeypox-vaccines">https://www.who.int/news-room/events/detail/2022/08/02/default-calendar/who-monkeypox-research---what-study-designs-can-be-used-to-address-the-remaining-knowledge-gaps-for-monkeypox-vaccines</a>
29/07/2022	US FDA	News	FDA Provides Update on Agency Response to Monkeypox Outbreak	Update on FDA's multipronged response to monkeypox in the United States, including its efforts in the areas of diagnostics, vaccines and therapeutics.	<a href="https://www.fda.gov/news-events/press-announcements/fda-provides-update-agency-response-monkeypox-outbreak">https://www.fda.gov/news-events/press-announcements/fda-provides-update-agency-response-monkeypox-outbreak</a>
29/07/2022	US FDA	News	FDA Monkeypox Response	FDA website dedicated to monkeypox preparedness and response.	<a href="https://www.fda.gov/emergency-preparedness-and-response/mcm-issues/fda-monkeypox-response">https://www.fda.gov/emergency-preparedness-and-response/mcm-issues/fda-monkeypox-response</a>
29/07/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 29 July 2022	Up to 28 July 2022, there were 2,469 confirmed and 77 highly probable monkeypox cases in the UK: 2,546 in total. Of these, 61 were in Scotland, 19 were in Northern Ireland, 30 were in Wales and 2,436 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-29-july-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-29-july-2022</a>
28/07/2022	ANRS MIE / WHO	Guidelines	Monkeypox : CORE protocol for an international trial of the safety and efficacy of treatments	Following international consultations, a CORE protocol for the development of an international adaptive multi-country randomized, placebo-controlled, double-blinded trial of the safety and efficacy of treatments for patients with monkeypox virus disease has been published.	<a href="https://www.anrs.fr/en/actualites/1127/monkeypox-core-protocol-international-trial-safety-and-efficacy-treatments">https://www.anrs.fr/en/actualites/1127/monkeypox-core-protocol-international-trial-safety-and-efficacy-treatments</a>
28/07/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 4	UK Technical briefing no. 4, including risk assessment, Epidemiology update, Transmission dynamics, Clinical experience	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-4">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-4</a>
28/07/2022	SpF	Report	Cas de variole du singe : point de situation au 28 juillet 2022	Au 28 juillet 2022 à 12h00, 1 955 cas confirmés ont été recensés en France. Les cas résidaient le plus fréquemment en Ile-de-France (814 cas soit 53 % des cas dont la région de résidence est connue), en Occitanie (170 cas, soit 11 %) et en Auvergne-Rhône-Alpes (161 cas, soit 10 %).	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-28-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-28-juillet-2022</a>
28/07/2022	ECDC	Report	Monkeypox situation update, as of 28 July 2022	As of 28 July 2022, 11 001 confirmed cases of monkeypox (MPX) have been reported from 27 EU/EEA countries:	<a href="https://www.ecdc.europa.eu/en/monkeypox-multi-country-outbreak/situation-update-eueea-western-balkans-turkey">https://www.ecdc.europa.eu/en/monkeypox-multi-country-outbreak/situation-update-eueea-western-balkans-turkey</a>
27/07/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 13043 cases of monkeypox have been identified through IHR mechanisms and official public resources up to 26 July 2022, 14:00, from 37 countries and areas throughout the European region. Case-based data were reported for 12761 cases from 32 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 26 July 2022, 10:00.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
27/07/2022	SpF	Report	Cas de variole du singe : point de situation au 26 juillet 2022	Au 26 juillet 2022 à 12h00, 1 837 cas confirmés ont été recensés en France. Les cas résidaient le plus fréquemment en Ile-de-France (781 cas soit 55 % des cas dont la région de résidence est connue), en Occitanie (151 cas, soit 11 %) et en Auvergne-Rhône-Alpes (150 cas, soit 10 %).	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-26-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-26-juillet-2022</a>
27/07/2022	US CDC	Report	2022 U.S. Monkeypox Outbreak	Updates of US and global case counts and on what CDC is doing.	<a href="https://www.cdc.gov/poxvirus/monkeypox/response/2022/index.html">https://www.cdc.gov/poxvirus/monkeypox/response/2022/index.html</a>
26/07/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 19 July 2022	Up to 25 July 2022, there were 2,367 confirmed and 65 highly probable monkeypox cases in the UK: 2,432 in total.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-26-july-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-26-july-2022</a>

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26/07/2022	WHO	Statement	Statement: Vaccines alone won't end the monkeypox outbreak – at-risk individuals will have to take action too	Advices to health providers, populations at risk, public health authorities, and governments, to solicitate a multifaceted and coordinated response to the current emergency	<a href="https://www.who.int/europe/news/item/26-07-2022-statement--vaccines-alone-won-t-end-the-monkeypox-outbreak---at-risk-individuals-will-have-to-take-action-too">https://www.who.int/europe/news/item/26-07-2022-statement--vaccines-alone-won-t-end-the-monkeypox-outbreak---at-risk-individuals-will-have-to-take-action-too</a>
26/07/2022	CEPI	News	CEPI, UK MHRA, and UK Health Security Agency to advance key tools for Monkeypox vaccine research	Up to US\$375k will be made available by CEPI for the development of a Monkeypox antibody standard and assays. The tools will be made freely available to the global scientific community to provide a common standardised assessment between laboratories in different countries documenting vaccine performance against Monkeypox.	<a href="https://cepi.net/news_cepi-uk-mhra-and-uk-health-security-agency-to-advance-key-tools-for-monkeypox-vaccine-research/">https://cepi.net/news_cepi-uk-mhra-and-uk-health-security-agency-to-advance-key-tools-for-monkeypox-vaccine-research/</a>
25/07/2022	UKHSA	Guidelines	Monkeypox case definition updated to include new symptoms	In light of clinical experience during this outbreak, the UK Health Security Agency (UKHSA) is updating the case definition for monkeypox.	<a href="https://www.gov.uk/government/news/monkey-pox-case-definition-updated-to-include-new-symptoms">https://www.gov.uk/government/news/monkey-pox-case-definition-updated-to-include-new-symptoms</a>
23/07/2022	WHO	News	Second meeting of the International Health Regulations (2005) (IHR) Emergency Committee regarding the multi-country outbreak of monkeypox	Temporary Recommendations issued by the WHO Director-General in relation to the multi-country outbreak of monkeypox	<a href="https://www.who.int/news/item/23-07-2022-second-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox">https://www.who.int/news/item/23-07-2022-second-meeting-of-the-international-health-regulations-(2005)-(ihr)-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox</a>
23/07/2022	WHO	News	WHO Director-General's statement at the press conference following IHR Emergency Committee regarding the multi-country outbreak of monkeypox - 23 July 2022	The global monkeypox outbreak was declared a public health emergency of international concern.	<a href="https://www.who.int/director-general/speeches/detail/who-director-general-s-statement-on-the-press-conference-following-ihr-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox-23-july-2022">https://www.who.int/director-general/speeches/detail/who-director-general-s-statement-on-the-press-conference-following-ihr-emergency-committee-regarding-the-multi-country-outbreak-of-monkeypox-23-july-2022</a>
22/07/2022	US CDC	News	Information for Healthcare Providers on Obtaining and Using TPOXX (Tecovirimat) for Treatment of Monkeypox	CDC, in partnership with FDA, has made it easier for healthcare providers to provide tecovirimat (TPOXX) treatment to patients with monkeypox under the expanded access investigational new drug	<a href="https://www.cdc.gov/poxvirus/monkeypox/clinicians/obtaining-tecovirimat.html">https://www.cdc.gov/poxvirus/monkeypox/clinicians/obtaining-tecovirimat.html</a>
21/07/2022	SpF	Report	Cas de variole du singe : point de situation au 21 juillet 2022	Au 21 juillet 2022 à 12h00, 1 567 cas confirmés ont été recensés en France : 726 cas résident en Ile-de-France, 123 en Auvergne-Rhône-Alpes, 97 en Occitanie, 72 en Nouvelle Aquitaine, 55 en Provence-Alpes-Côte d'Azur, 41 dans les Hauts-de-France, 29 en Grand Est, 18 en Normandie, 16 en Bourgogne-Franche-Comté, 15 en Pays-de-la-Loire, 11 en Centre-Val de Loire, 10 en Bretagne, 1 en Corse et 1 en Martinique. La région de résidence n'est pas renseignée pour 347 cas et 5 cas résident à l'étranger.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-21-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-21-juillet-2022</a>
21/07/2022	WHO	Report	Multi-Country Monkeypox Outbreak - Global Trends	WHO has launched a live data dashboard for the multi-country monkeypox outbreak. The dashboard provides a global overview of the monkeypox epidemiological situation as reported to WHO and will be updated daily.	<a href="https://worldhealthorg.shinyapps.io/mpx_global/">https://worldhealthorg.shinyapps.io/mpx_global/</a>
20/07/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 10604 cases of monkeypox have been identified through IHR mechanisms and official public resources up to 19 July 2022, 14:00, from 36 countries and areas throughout the European region. Case-based data were reported for 9281 cases from 31 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 19 July 2022, 10:00.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
19/07/2022	Stat	News	With monkeypox spreading globally, many experts believe the virus can't be contained	Now, even as global health officials race to curb spread of the virus, most experts polled by STAT said they don't believe it will be possible to contain it.	<a href="https://www.statnews.com/2022/07/19/monkeypox-spread-many-experts-believe-the-virus-cant-be-contained/">https://www.statnews.com/2022/07/19/monkeypox-spread-many-experts-believe-the-virus-cant-be-contained/</a>
19/07/2022	SpF	Report	Cas de variole du singe : point de situation au 19 juillet 2022	Au 19 juillet 2022 à 12h00, 1 453 cas confirmés ont été recensés en France ; par département de résidence, 678 cas résident en Ile-de-France, 111 en Occitanie, 103 en Auvergne-Rhône-Alpes, 65 en Nouvelle Aquitaine, 55 en Provence-Alpes-Côte d'Azur, 41 dans les Hauts-de-France, 25 en Grand Est, 18 en Normandie, 15 en Pays-de-la-Loire, 9 en Bourgogne-Franche-Comté, 9 en Centre-Val de Loire, 9 en Bretagne et 1 en Martinique.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-19-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-19-juillet-2022</a>
19/07/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 19 July 2022	Up to 18 July 2022 there were 2,137 laboratory confirmed cases in the UK. Of these, 51 were in Scotland, 13 were in Northern Ireland, 23 were in Wales and 2,050 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-19-july-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-19-july-2022</a>
19/07/2022	UKHSA	Report	Monkeypox cases confirmed in England – latest updates	UKHSA procures more than 100,000 additional vaccine doses and updates close contact guidance as monkeypox cases rise to 2,137	<a href="https://www.gov.uk/government/news/monkey-pox-cases-confirmed-in-england-latest-updates">https://www.gov.uk/government/news/monkey-pox-cases-confirmed-in-england-latest-updates</a>

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19/07/2022	UKHSA	Guidelines	Monkeypox: people who are isolating at home (UPDATE)	Information for people who have been diagnosed with a monkeypox infection and who have been advised to self-isolate at home.	<a href="https://www.gov.uk/guidance/guidance-for-people-with-monkeypox-infection-who-are-isolating-at-home">https://www.gov.uk/guidance/guidance-for-people-with-monkeypox-infection-who-are-isolating-at-home</a>
19/07/2022	UKHSA	Guidelines	Principles for monkeypox control in the UK: 4 nations consensus statement (UPDATE)	A consensus statement outlining principles for the control of monkeypox in healthcare and other settings in the UK.	<a href="https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement">https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement</a>
19/07/2022	UKHSA	Guidelines	Monkeypox: planning events and mass gatherings (UPDATE)	Public health principles to support planning for events and mass gatherings during the current monkeypox outbreak.	<a href="https://www.gov.uk/guidance/monkeypox-planning-events-and-mass-gatherings">https://www.gov.uk/guidance/monkeypox-planning-events-and-mass-gatherings</a>
19/07/2022	UKHSA	Guidelines	Monkeypox: reducing risk of transmission at vaccination clinics (UPDATE)	Advice to help lower the chance of passing monkeypox infection to others during post-exposure vaccination clinics.	<a href="https://www.gov.uk/guidance/monkeypox-reducing-risk-of-transmission-at-vaccination-clinics">https://www.gov.uk/guidance/monkeypox-reducing-risk-of-transmission-at-vaccination-clinics</a>
19/07/2022	UKHSA	Guidelines	Monkeypox: prisons and places of detention (UPDATE)	Public health advice for prisons and other prescribed places of detention.	<a href="https://www.gov.uk/guidance/monkeypox-secure-and-detained-settings">https://www.gov.uk/guidance/monkeypox-secure-and-detained-settings</a>
19/07/2022	UKHSA	Guidelines	Monkeypox: contact tracing (UPDATE)	Classification of contacts and advice for vaccination and follow-up of contacts of confirmed monkeypox cases.	<a href="https://www.gov.uk/government/publications/monkeypox-contact-tracing">https://www.gov.uk/government/publications/monkeypox-contact-tracing</a>
19/07/2022	UKHSA	Guidelines	Monkeypox: guidance (UPDATE)	Information and advice for healthcare professionals and the general public.	<a href="https://www.gov.uk/government/collections/monkeypox-guidance">https://www.gov.uk/government/collections/monkeypox-guidance</a>
18/07/2022	Bavarian Nordic	News	Bavarian Nordic Enters Multiple Vaccine Contracts with Governments in Response to Global Monkeypox Outbreak	Bavarian Nordic announced the signing of a number of supply contracts with undisclosed countries for the Company's smallpox vaccine with the aim to ensure sufficient supply to meet the requirements for vaccinating individuals at risk for monkeypox in the short to medium term.	<a href="https://www.bavarian-nordic.com/investor/news/news.aspx?news=6592">https://www.bavarian-nordic.com/investor/news/news.aspx?news=6592</a>
15/07/2022	UKHSA	Guidelines	Monkeypox: semen testing for viral DNA	Information for clinicians on testing semen for monkeypox DNA.	<a href="https://www.gov.uk/guidance/monkeypox-semen-testing-for-viral-dna">https://www.gov.uk/guidance/monkeypox-semen-testing-for-viral-dna</a>
15/07/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 15 July 2022	Up to 14 July 2022 there were 1,856 laboratory confirmed cases in the UK. Of these, 46 were in Scotland, 12 were in Northern Ireland, 20 were in Wales and 1,778 were in England.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-15-july-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-15-july-2022</a>
15/07/2022	WHO	News	India confirms first case of monkeypox in WHO South-East Asia Region	The first case of monkeypox in WHO South-East Asia Region has been reported from India, in a 35-year old man who arrived from the Middle East earlier this week.	<a href="https://www.who.int/southeastasia/news/detail/15-07-2022-india-confirms-first-case-of-monkeypox-in-who-south-east-asia-region">https://www.who.int/southeastasia/news/detail/15-07-2022-india-confirms-first-case-of-monkeypox-in-who-south-east-asia-region</a>
12/07/2022	WHO	News	Towards the development of a global CORE protocol for evaluation of treatments for hMPXV Leveraging the Congolese Experience	Information, draft protocol, and recordings of the meeting held in Kinshasa on 11-12 July, co-organised by INRB, ANRS MIE and WHO.	<a href="https://www.who.int/news-room/events/detail/2022/07/10/default-calendar/towards-the-development-of-a-global-core-protocol-for-evaluation-of-treatments-for-hmpxv-leveraging-the-congolese-experience">https://www.who.int/news-room/events/detail/2022/07/10/default-calendar/towards-the-development-of-a-global-core-protocol-for-evaluation-of-treatments-for-hmpxv-leveraging-the-congolese-experience</a>
12/07/2022	SpF	Report	Cas de variole du singe : point de situation au 12 juillet 2022	Au 12 juillet 2022 à 14h00, 912 cas ont été confirmés : 569 en Ile-de-France, 87 en Auvergne-Rhône-Alpes, 68 en Occitanie, 47 en Nouvelle Aquitaine, 47 en Provence-Alpes-Côte d'Azur, 34 dans les Hauts-de-France, 18 en Grand Est, 13 en Normandie, 9 en Bretagne, 8 en Centre-Val de Loire, 5 en Pays-de-la-Loire, 3 en Bourgogne-Franche-Comté et 4 cas à l'étranger.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-12-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-12-juillet-2022</a>
12/07/2022	ECDC	Data	Data on monkeypox cases in the EU/EEA (UPDATE)	The downloadable data file contains information on the number of monkeypox cases reported by EU/EEA countries or collected throughout epidemiologic intelligence at ECDC. Each row contains the corresponding data for a country, day of reporting, number of cases and source of information (data are in long format). The file is updated twice a week. You may use the data in line with ECDC's copyright and data usage policy.	<a href="https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea">https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea</a>
08/07/2022	ECDC	Report	Monkeypox multi-country outbreak - first update	The risk to people having multiple sexual partners (including some groups of MSM) remains moderate and low for the broader population. The updated rapid risk assessment includes new information on the different clinical picture of monkeypox cases in the ongoing outbreak, and insights from modelling work developed collaboratively between ECDC and the European Health Emergency preparedness and Response Authority (HERA).	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-multi-country-outbreak-first-update">https://www.ecdc.europa.eu/en/publications-data/monkeypox-multi-country-outbreak-first-update</a>
08/07/2022	UKHSA	Report	Monkeypox: continuing transmission in interconnected sexual networks (UPDATE)	Latest UKHSA data shows monkeypox transmission continuing primarily in interconnected sexual networks of gay, bisexual and men who have sex with men (GBMSM).	<a href="https://www.gov.uk/government/news/monkeypox-continuing-transmission-in-interconnected-sexual-networks">https://www.gov.uk/government/news/monkeypox-continuing-transmission-in-interconnected-sexual-networks</a>

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08/07/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 3	UK Technical briefing no. 3, including risk assessment, Research and evidence gaps prioritisation, Epidemiology update, Transmission dynamics, Clinical experience	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-3">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-3</a>
08/07/2022	HAS	Guidelines	Monkeypox : une vaccination préventive proposée aux personnes les plus à risque d'exposition	La HAS recommande qu'une vaccination préventive soit proposée aux groupes les plus exposés au virus : les hommes ayant des relations sexuelles avec des hommes et les personnes trans qui sont multipartenaires, les personnes en situation de prostitution, les professionnels exerçant dans les lieux de consommation sexuelle.	<a href="https://www.has-sante.fr/jcms/p_3351308/fr/avis-n2022-0039/ac/sespev-du-7-juillet-2022-du-college-de-la-haute-autorite-de-sante-relatif-a-la-vaccination-contre-le-virus-monkeypox-en-preexposition-des-personnes-a-haut-risque-d-exposition">https://www.has-sante.fr/jcms/p_3351308/fr/avis-n2022-0039/ac/sespev-du-7-juillet-2022-du-college-de-la-haute-autorite-de-sante-relatif-a-la-vaccination-contre-le-virus-monkeypox-en-preexposition-des-personnes-a-haut-risque-d-exposition</a>
07/07/2022	SpF	Report	Cas de variole du singe : point de situation au 7 juillet 2022	Au 07 juillet 2022 à 12h00, 721 cas ont été confirmés : 473 en Ile-de-France, 70 en Auvergne-Rhône-Alpes, 52 en Occitanie, 33 en Nouvelle Aquitaine, 29 dans les Hauts-de-France, 28 en Provence-Alpes-Côte d'Azur, 11 en Normandie, 10 en Grand Est, 6 en Bretagne, 4 en Pays-de-la-Loire, 3 en Bourgogne-Franche-Comté et 2 en Centre-Val de Loire.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-7-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-7-juillet-2022</a>
06/07/2022	UKHSA	Guidelines	Monkeypox vaccination resources	Information on the smallpox vaccination used to protect you against the monkeypox virus. UPDATE	<a href="https://www.gov.uk/government/publications/monkeypox-vaccination-resources">https://www.gov.uk/government/publications/monkeypox-vaccination-resources</a>
06/07/2022	UKHSA	Guidelines	Monkeypox: case definitions	This guidance describes case definitions to inform testing and reporting of suspected monkeypox cases. UPDATE	<a href="https://www.gov.uk/guidance/monkeypox-case-definitions">https://www.gov.uk/guidance/monkeypox-case-definitions</a>
06/07/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 5949 cases of monkeypox have been identified through IHR mechanisms and official public resources up to 05 July 2022, 14:00, from 33 countries and areas throughout the European region. Case-based data were reported for 5266 cases from 28 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 05 July 2022, 10:00.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
06/07/2022	WHO	Report	Multi-country outbreak of monkeypox, External situation report #1 - 6 July 2022	From 1 January to 4 July 2022, 6027 laboratory confirmed cases of monkeypox and three deaths have been reported to WHO from 59 countries/territories/areas in five WHO Regions.	<a href="https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report--1---6-july-2022">https://www.who.int/publications/m/item/multi-country-outbreak-of-monkeypox-external-situation-report--1---6-july-2022</a>
05/07/2022	UKHSA	Guidelines	Principles for monkeypox control in the UK: 4 nations consensus statement	A consensus statement outlining principles for the control of monkeypox in healthcare and other settings in the UK. UPDATE	<a href="https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement">https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement</a>
05/07/2022	UKHSA	Guidelines	Monkeypox: diagnostic testing	Information on taking, submitting and processing samples which potentially contain monkeypox virus. UPDATE	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
05/07/2022	SpF	Report	Cas de variole du singe : point de situation au 5 juillet 2022	Au 05 juillet 2022 à 14h00, 577 cas ont été confirmés : 387 en Ile-de-France, 52 en Auvergne-Rhône-Alpes, 37 en Occitanie, 30 en Nouvelle Aquitaine, 23 dans les Hauts-de-France, 21 en Provence-Alpes-Côte d'Azur, 8 en Normandie, 6 en Grand Est, 5 en Bretagne, 4 en Pays-de-la-Loire, 3 en Bourgogne-Franche-Comté et 1 en Centre-Val de Loire.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-5-juillet-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-5-juillet-2022</a>
05/07/2022	ECDC	Data	Data on monkeypox cases in the EU/EEA	The downloadable data file contains information on the number of monkeypox cases reported by EU/EEA countries or collected throughout epidemiologic intelligence at ECDC. Each row contains the corresponding data for a country, day of reporting, number of cases and source of information (data are in long format). The file is updated twice a week. You may use the data in line with ECDC's copyright and data usage policy.	<a href="https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea">https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea</a>
05/07/2022	ECDC/WHO	Toolkit	Monkeypox outbreak: Resource toolkit for event organisers	This toolkit, jointly created by the World Health Organization (WHO) Regional Office for Europe and the European Centre for Disease Prevention and Control (ECDC), provides them with customisable tools on monkeypox for mass gatherings, both for consideration and use.	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-outbreak-resource-toolkit-event-organisers">https://www.ecdc.europa.eu/en/publications-data/monkeypox-outbreak-resource-toolkit-event-organisers</a>
04/07/2022	ECDC/WHO	Guidelines	Risk communication and community engagement approaches during the monkeypox outbreak in Europe, 2022	This document is intended for health authorities designing RCCE interventions in the context of the current monkeypox outbreak in Europe. It supplements the 'Interim advice on Risk Communication and Community Engagement during the monkeypox outbreak in Europe, 2022' jointly published by ECDC and the World Health Organization (WHO) Regional Office for Europe.	<a href="https://www.ecdc.europa.eu/en/publications-data/risk-communication-and-community-engagement-monkeypox-outbreak">https://www.ecdc.europa.eu/en/publications-data/risk-communication-and-community-engagement-monkeypox-outbreak</a>
01/07/2022	UKHSA	Guidelines	Monkeypox: guidance	Information and advice for healthcare professionals and the general public. UPDATE	<a href="https://www.gov.uk/government/collections/monkeypox-guidance">https://www.gov.uk/government/collections/monkeypox-guidance</a>
01/07/2022	UKHSA	Guidelines	Monkeypox: contact tracing	Classification of contacts and advice for vaccination and follow-up of contacts of confirmed monkeypox cases. UPDATE	<a href="https://www.gov.uk/government/publications/monkeypox-contact-tracing">https://www.gov.uk/government/publications/monkeypox-contact-tracing</a>

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01/07/2022	WHO	Statement	Statement - No room for complacency	Dr Hans Henri P. Kluge is intensifying the call for governments and civil society to scale up efforts in the coming weeks and months to prevent monkeypox from establishing itself across a growing geographical area. Urgent and coordinated action is imperative.	<a href="https://www.who.int/europe/news/item/01-07-2022-statement---no-room-for-complacency">https://www.who.int/europe/news/item/01-07-2022-statement---no-room-for-complacency</a>
01/07/2022	ECDC	Report	Communicable disease threats report, 26 June-2 July 2022, week 26	A multi-country outbreak of MPX started on 16 May 2022. Since the beginning of the outbreak, and as of 30 June 2022, 5 240 confirmed cases have been reported from 51 countries.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-26-june-2-july-2022-week-26">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-26-june-2-july-2022-week-26</a>
30/06/2022	SpF	Report	Cas de variole du singe : point de situation au 30 juin 2022	Au 30 juin 2022 à 14h00, 498 cas ont été confirmés : 336 en Ile-de-France, 44 en Auvergne-Rhône-Alpes, 36 en Occitanie, 27 en Nouvelle Aquitaine, 16 en Provence-Alpes-Côte d'Azur, 19 dans les Hauts-de-France, 8 en Normandie, 4 en Bretagne, 4 en Grand Est, 2 en Bourgogne-Franche-Comté, 1 en Centre-Val de Loire et 1 en Pays-de-la-Loire.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-30-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-30-juin-2022</a>
30/06/2022	WHO	News	Bolstering monkeypox laboratory testing in Africa	With three African countries with no previous history of human monkeypox transmission reporting cases, World Health Organization (WHO) is working with national health authorities in the region to bolster surveillance and laboratory diagnosis to detect cases and deter a silent spread of the virus.	<a href="https://www.afro.who.int/news/bolstering-monkeypox-laboratory-testing-africa">https://www.afro.who.int/news/bolstering-monkeypox-laboratory-testing-africa</a>
29/06/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 4178 cases of monkeypox have been identified through IHR mechanisms and official public resources up to 28 June 2022, 14:00, from 31 countries and areas throughout the European region. Case-based data were reported for 3086 cases from 26 countries and areas to ECDC and the WHO Regional Office for Europe through The European Surveillance System (TESSy), up to 28 June 2022, 10:00.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
29/06/2022	ECDC	Protocol	Monkeypox (MPX) Reporting Protocol 2022	This reporting protocol is intended for reporting national case-based data for surveillance of monkeypox from all the countries and areas of the WHO European Region, including the 27 countries of the European Union (EU) and the additional three countries of the European Economic Area (EEA), to the European level.	<a href="https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022">https://www.ecdc.europa.eu/en/publications-data/monkeypox-mpx-reporting-protocol-2022</a>
28/06/2022	ECDC	Guidelines	Considerations for contact tracing during the monkeypox outbreak in Europe, 2022	In this report, ECDC offers considerations for the prioritisation of efforts to identify and manage close contacts, as well as indicators for public health authorities in the EU/EEA that can be used for monitoring the efficacy of their contact tracing activities.	<a href="https://www.ecdc.europa.eu/en/publications-data/considerations-contact-tracing-during-monkeypox-outbreak-europe-2022">https://www.ecdc.europa.eu/en/publications-data/considerations-contact-tracing-during-monkeypox-outbreak-europe-2022</a>
28/06/2022	SpF	Report	Cas de variole du singe : point de situation au 28 juin 2022	Au 28 juin 2022 à 14h00, 440 cas ont été confirmés : 312 en Ile-de-France, 30 en Occitanie, 29 en Auvergne-Rhône-Alpes, 21 en Nouvelle Aquitaine, 16 en Provence-Alpes-Côte d'Azur, 16 dans les Hauts-de-France, 7 en Normandie, 3 en Bretagne, 3 Grand-Est, 1 en Centre-Val-de-Loire, 1 en Bourgogne-Franche-Comté, et 1 en Pays-de-la-Loire.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-28-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-28-juin-2022</a>
28/06/2022	European Commission	News	European Health Union: Start of delivery of vaccines in response to the monkeypox outbreak	Delivery of the first vaccine doses purchased by the European Commission's Health Emergency Preparedness and Response Authority (HERA) in response to the current monkeypox outbreak is starting, with an initial 5,300 doses arriving in Spain, out of the total 109,090 doses procured.	<a href="https://ec.europa.eu/commission/presscorner/detail/en/IP_22_4146">https://ec.europa.eu/commission/presscorner/detail/en/IP_22_4146</a>
28/06/2022	EMA	News	Monkeypox: EMA starts review for Imvanex	EMA's human medicines committee (CHMP) has started a review of data to extend the use of the smallpox vaccine Imvanex to include protecting people from monkeypox disease.	<a href="https://www.ema.europa.eu/en/news/monkeypox-ema-starts-review-imvanex">https://www.ema.europa.eu/en/news/monkeypox-ema-starts-review-imvanex</a>
28/06/2022	US CDC	News	CDC Activates Emergency Operations Center for Monkeypox Response	Today, CDC activated its Emergency Operations Center (EOC). This action stands up the CDC's command center for monitoring and coordinating the emergency response to monkeypox and mobilizing additional CDC personnel and resources.	<a href="https://www.cdc.gov/media/releases/2022/s0628-monkeypox-eoc.html">https://www.cdc.gov/media/releases/2022/s0628-monkeypox-eoc.html</a>
28/06/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 28 June 2022	As of 26 June 2022 1076 laboratory confirmed cases have been reported in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-28-june-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-28-june-2022</a>
27/06/2022	WHO	Report	Multi-country monkeypox outbreak: situation update	Since 1 January and as of 22 June 2022, 3413 laboratory confirmed cases and one death have been reported to WHO from 50 countries/territories in five WHO Regions.	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON396">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON396</a>
27/06/2022	Africa CDC	News	Press Release on Monkeypox situation in Africa	A point of the situation in Africa, decision of WHO IHR Emergency Committee, and Africa CDC actions	<a href="https://africacdc.org/news-item/press-release-on-monkeypox-situation-in-africa/">https://africacdc.org/news-item/press-release-on-monkeypox-situation-in-africa/</a>
25/06/2022	ARS IDF	News	Premier cas confirmé de Monkeypox chez un enfant en Île-de-France	L'ARS Île-de-France informe de la survenue d'un premier cas confirmé de monkeypox chez un enfant scolarisé en école primaire, dans la région. Il a été pris en charge et ne présente aucun signe de gravité.	<a href="https://www.iledefrance.ars.sante.fr/premier-cas-confirme-de-monkeypox-chez-un-enfant-en-ile-de-france">https://www.iledefrance.ars.sante.fr/premier-cas-confirme-de-monkeypox-chez-un-enfant-en-ile-de-france</a>

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25/06/2022	WHO	News	Meeting of the International Health Regulations (2005) Emergency Committee regarding the multi-country monkeypox outbreak	The WHO Director-General concurs with the advice offered by the IHR Emergency Committee regarding the multi-country monkeypox outbreak and, at present, does not determine that the event constitutes a Public Health Emergency of International Concern (PHEIC).	<a href="https://www.who.int/news/item/25-06-2022-meeting-of-the-international-health-regulations-(2005)-emergency-committee-regarding-the-multi-country-monkeypox-outbreak">https://www.who.int/news/item/25-06-2022-meeting-of-the-international-health-regulations-(2005)-emergency-committee-regarding-the-multi-country-monkeypox-outbreak</a>
24/06/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 24 June 2022	Up to 23 June 2022 there were 910 laboratory confirmed cases in the UK.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-24-june-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-24-june-2022</a>
24/06/2022	UKHSA	Report	Investigation into monkeypox outbreak in England: technical briefing 2	This briefing is produced to share data useful to other public health investigators and academic partners undertaking related work. It includes early evidence and preliminary analyses which may be subject to change.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-2">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-2</a>
24/06/2022	UKHSA	News	UKHSA urges those with new or multiple sexual partners to be vigilant as monkeypox outbreak grows	Outbreak continues to grow and cases remain primarily in gay, bisexual, or men who have sex with men (GBMSM), within interconnected sexual networks.	<a href="https://www.gov.uk/government/news/ukhsa-urges-those-with-new-or-multiple-sexual-partners-to-be-vigilant-as-monkeypox-outbreak-grows">https://www.gov.uk/government/news/ukhsa-urges-those-with-new-or-multiple-sexual-partners-to-be-vigilant-as-monkeypox-outbreak-grows</a>
23/06/2022	SpF	Report	Cas de variole du singe : point de situation au 23 juin 2022	Au 23 juin 2022, 330 cas confirmés de variole du singe ont été rapportés en France. Le rapport présente désormais une analyse épidémiologique de la situation.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-23-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-23-juin-2022</a>
22/06/2022	ECDC	Data	Data on monkeypox cases in the EU/EEA	The downloadable data file contains information on the number of monkeypox cases reported by EU/EEA countries or collected throughout epidemiologic intelligence at ECDC. Each row contains the corresponding data for a country, day of reporting, number of cases and source of information (data are in long format). The file is updated twice a week.	<a href="https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea">https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea</a>
22/06/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	A total of 2746 cases of monkeypox have been identified through IHR/EWRS mechanisms up to 21 June 2022, from 29 countries and areas throughout the European region. Case-based data were reported for 1799 cases from 20 countries and areas to ECDC and the WHO Regional Office for Europe through TESSy.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
21/06/2022	UKHSA	Guidelines	Monkeypox outbreak: vaccination strategy	New update of the vaccination strategy to include men who have sex with men who are in high-risk groups, instead of just those who are known contacts and those at occupational risk.	<a href="https://www.gov.uk/guidance/monkeypox-outbreak-vaccination-strategy">https://www.gov.uk/guidance/monkeypox-outbreak-vaccination-strategy</a>
21/06/2022	UKHSA	Report	Monkeypox outbreak: epidemiological overview, 21 June 2022	Update of the current epidemiological situation in the UK, which is counting as of 20 June 793 confirmed cases.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-21-june-2022">https://www.gov.uk/government/publications/monkeypox-outbreak-epidemiological-overview/monkeypox-outbreak-epidemiological-overview-21-june-2022</a>
13/06/2022	UKHSA	News	Monkeypox cases confirmed in England – latest updates	UKHSA is now publishing a regular data report on monkeypox in the UK. The report will be published every Tuesday and Friday (see link in line above)	<a href="https://www.gov.uk/government/news/monkeypox-cases-confirmed-in-england-latest-updates">https://www.gov.uk/government/news/monkeypox-cases-confirmed-in-england-latest-updates</a>
21/06/2022	SpF	Report	Cas de variole du singe : point de situation au 21 juin 2022	Au 21 juin 2022 à 14h00, 277 cas confirmés de variole du singe ont été rapportés en France : 195 en Ile-de-France, 16 en Occitanie, 14 en Auvergne-Rhône-Alpes, 16 en Nouvelle-Aquitaine, 12 dans les Hauts-de-France, 12 en Provence-Alpes-Côte d'Azur, 6 en Normandie, 1 en Centre-val de Loire, 1 en Bourgogne-Franche-Comté, 1 en Grand-Est et 3 en Bretagne.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-21-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-21-juin-2022</a>
17/06/2022	ECDC/WHO	Report	Joint ECDC-WHO Regional Office for Europe Monkeypox Surveillance Bulletin	This report provides an overview of the total number of cases of monkeypox reported to ECDC and the WHO Regional Office for Europe through IHR/EWRS mechanisms for the period up to 15 May 2022 12:00 (IHR/EWRS) and case-based data through The European Surveillance System (TESSy) up to 17 May 2022 10:00 (TESSy). 1704 cases were reported to IHR, 892 to TESSy.	<a href="https://monkeypoxreport.ecdc.europa.eu/">https://monkeypoxreport.ecdc.europa.eu/</a>
17/06/2022	WHO	Report	Multi-country monkeypox outbreak: situation update	Since 1 January 2022, cases of monkeypox have been reported to WHO from 42 Member States across five WHO regions (the Regions of the Americas, Africa, Europe, Eastern Mediterranean, and Western Pacific). As of 15 June, a total of 2103 laboratory confirmed cases and one probable case, including one death, have been reported to WHO.	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON393">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON393</a>
16/06/2022	SpF	Report	Cas de variole du signe : point de situation au 16 juin 2022	Au 16 juin 2022 à 14h00, 183 cas confirmés de variole du singe ont été rapportés en France : 129 en Ile-de-France, 13 en Occitanie, 10 en Auvergne-Rhône-Alpes, 8 en Nouvelle-Aquitaine, 7 dans les Hauts-de-France, 7 en PACA, 5 en Normandie, 1 en Centre-val de Loire, 1 en Bourgogne-Franche-Comté, 1 Grand-Est et 1 en Bretagne.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-signe-point-de-situation-au-16-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-signe-point-de-situation-au-16-juin-2022</a>



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16/06/2022	ANSES	Report	AVIS de l'Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail portant sur « des recommandations relatives à la réduction du risque de diffusion du virus Monkeypox aux animaux en France »	L'Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail endosse les conclusions du Gecu Monkeypox portant sur des recommandations à destination des vétérinaires et propriétaires d'animaux de compagnie (chiens, chats, rongeurs, lapins de compagnie notamment) concernant la conduite à tenir pour protéger ces animaux lorsqu'ils sont au contact d'une personne malade du MPX.	<a href="https://www.anses.fr/fr/content/variole-du-singe-quel-risque-de-diffusion-aux-animaux-de-compagnie">https://www.anses.fr/fr/content/variole-du-singe-quel-risque-de-diffusion-aux-animaux-de-compagnie</a>
15/06/2022	ECDC	Data	Data on monkeypox cases in the EU/EEA	The downloadable data file contains information on the number of monkeypox cases reported by EU/EEA countries or collected throughout epidemiologic intelligence at ECDC. Each row contains the corresponding data for a country, day of reporting, number of cases and source of information.	<a href="https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea">https://www.ecdc.europa.eu/en/publications-data/data-monkeypox-cases-eueea</a>
15/06/2022	ECDC	Report	Epidemiological update: Monkeypox multi-country outbreak	This report presents an update of monkeypox confirmed cases in the European Union/European Economic Area (EU/EEA) and worldwide. A total of 1 884 cases have been confirmed worldwide (including the EU/EEA).	<a href="https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak-15-june">https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak-15-june</a>
14/06/2022	US CDC	Guidelines	Updated Case-finding Guidance: Monkeypox Outbreak—United States, 2022	This Health Alert Network (HAN) Health Update serves to alert clinicians to clinical presentations of monkeypox seen so far in the US and to provide updated and expanded case definitions intended to encourage testing for monkeypox among persons presenting for care with relevant history, signs, and symptoms.	<a href="https://emergency.cdc.gov/han/2022/han00468.asp">https://emergency.cdc.gov/han/2022/han00468.asp</a>
14/06/2022	UN News	News	WHO to determine if Monkeypox should be declared 'Emergency of International Concern'; rights expert warns of COVID 'vaccine apartheid'	The experts will meet on June 23 to assess whether the continuing outbreak represents a Public Health Emergency of International Concern, the highest level of global alert, which currently applies only to the COVID-19 pandemic and polio.	<a href="https://news.un.org/en/story/2022/06/1120392">https://news.un.org/en/story/2022/06/1120392</a>
14/06/2022	SpF	Report	Cas de variole du singe : point de situation au 14 juin 2022	Au 14 juin 2022 à 14h, 125 cas confirmés de variole du singe ont été rapportés en France : 91 en Ile-de-France, 11 en Occitanie, 9 en Auvergne-Rhône-Alpes, 3 en Normandie, 3 dans les Hauts-de-France, 1 en Centre-val de Loire, 3 en Paca, 1 en Bourgogne-Franche-Comté et 3 en Nouvelle-Aquitaine.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-14-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-variole-du-singe-point-de-situation-au-14-juin-2022</a>
14/06/2022	ECDC	Guidelines	Interim advice for public health authorities on summer events during the monkeypox outbreak in Europe, 2022	he aim of this document is to provide concise advice to public health authorities and guide their prevention, awareness-raising and behaviour change interventions before, during and after upcoming summer events.	<a href="https://www.ecdc.europa.eu/en/publications-data/interim-advice-public-health-authorities-summer-events-during-monkeypox-outbreak">https://www.ecdc.europa.eu/en/publications-data/interim-advice-public-health-authorities-summer-events-during-monkeypox-outbreak</a>
14/06/2022	WHO	Guidelines	Vaccines and immunization for monkeypox: Interim guidance, 14 June 2022	his interim guidance, developed with the advice and support of the Strategic Advisory Group of Experts (SAGE) Ad-hoc Working Group on smallpox and monkeypox vaccines, provides the first WHO recommendations on vaccines and immunization for monkeypox.	<a href="https://www.who.int/publications/i/item/who-mpx-immunization-2022.1">https://www.who.int/publications/i/item/who-mpx-immunization-2022.1</a>
13/06/2022	UKHSA	News	Monkeypox cases confirmed in England – latest updates	Latest news on cases of monkeypox identified by the UK Health Security Agency (UKHSA) - updated regularly	<a href="https://www.gov.uk/government/news/monkey-pox-cases-confirmed-in-england-latest-updates">https://www.gov.uk/government/news/monkey-pox-cases-confirmed-in-england-latest-updates</a>
10/06/2022	WHO	Guidelines	Clinical management and infection prevention and control for monkeypox: Interim rapid response guidance, 10 June 2022	In the context of the current multi-country monkeypox outbreak, WHO has developed interim rapid response guidance for the clinical management and infection prevention and control of monkeypox for health care and community settings	<a href="https://www.who.int/publications/i/item/WHO-MPX-Clinical-and-IPC-2022.1">https://www.who.int/publications/i/item/WHO-MPX-Clinical-and-IPC-2022.1</a>
10/06/2022	WHO	Report	Multi-country monkeypox outbreak: situation update	As of 8 June, 1285 laboratory confirmed cases and one probable case have been reported to WHO from 28 countries in four WHO Regions where monkeypox is not usual or had not previously been reported. This represents an increase of 505 laboratory confirmed cases since the previous Disease Outbreak News on 4 June 2022 when 780 cases were reported. As of 8 June 2022, there have been no associated reported deaths in these four Regions.	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON392">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON392</a>
10/06/2022	ECDC	Report	Communicable disease threats report, 5-11 June 2022, week 23	A multi-country outbreak of MPX started on 16 May 2022. Since the beginning of the outbreak and as of 9 June 2022 there were 1 269 confirmed cases reported worldwide. Most cases are found in young men, self-identifying as men who have sex with men (MSM). There have been no deaths. The clinical presentation is generally described to be mild, with most cases presenting with lesions on the genitalia or perigenital area, indicating that transmission probably occurred through close physical contact during sexual activities.	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-5-11-june-2022-week-23">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-5-11-june-2022-week-23</a>
10/06/2022	ECDC	Guidelines	Navigating monkeypox: considerations for gay and bisexual men and other men who have sex with men	The information in this document has been produced by community organisations and public health experts. Although it addresses the group that has been most affected by the current outbreak to date - gay and bisexual men and other men who have sex with men - it applies to anyone who may be exposed to monkeypox infection.	<a href="https://www.ecdc.europa.eu/en/publications-data/navigating-monkeypox-considerations-gay-and-bisexual-men-and-msm">https://www.ecdc.europa.eu/en/publications-data/navigating-monkeypox-considerations-gay-and-bisexual-men-and-msm</a>
10/06/2022	UKHSA	Guidelines	Monkeypox outbreak: technical briefings	These documents investigate a rise in monkeypox cases in the UK since May 2022. The current outbreak is the first time that the virus has been passed from person to person in England where travel links to an endemic country have not been identified.	<a href="https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings">https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings</a>
09/06/2022	US CDC	Guidelines	CDC Monkeypox Response: Transmission	Update on the transmission of monkeypox.	<a href="https://www.cdc.gov/media/releases/2022/0509-monkeypox-transmission.html">https://www.cdc.gov/media/releases/2022/0509-monkeypox-transmission.html</a>

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09/06/2022	UKHSA	Guidelines	UKHSA issues self-isolation guidance for people with monkeypox infection	The UK Health Security Agency (UKHSA) has issued further guidance to support people who have been diagnosed with monkeypox and advised to self-isolate at home.	<a href="https://www.gov.uk/government/news/ukhsa-issues-self-isolation-guidance-for-people-with-monkeypox-infection">https://www.gov.uk/government/news/ukhsa-issues-self-isolation-guidance-for-people-with-monkeypox-infection</a>
09/06/2022	SpF	Report	Cas de Monkeypox : point de situation au 9 juin 2022	Au 9 juin 2022 à 14h00, 91 cas confirmés de Monkeypox ont été rapportés en France : 64 en Ile-de-France, 10 en Occitanie, 8 en Auvergne-Rhône-Alpes, 2 en Normandie, 2 dans les Hauts-de-France, 1 en Centre-val de Loire, 1 en PACA, 1 en Bourgogne-Franche-Comté et 2 en Nouvelle-Aquitaine.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-9-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-9-juin-2022</a>
09/06/2022	ECDC	Report	Epidemiological update: Monkeypox multi-country outbreak	Since the start of the outbreak: a total of 704 cases have been confirmed in the EU/EEA. A total of 1 177 cases have been confirmed worldwide (including EU/EEA).	<a href="https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak-8-june">https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak-8-june</a>
07/06/2022	BMJ	News	Monkeypox: Doctors in England will have to notify local agencies of all suspected cases	The UK government is to amend the law to enable it to list monkeypox as a notifiable disease from 8 June 2022, officials have announced. As a result, doctors in England will be required to notify their local council or local health protection team (HPT) if they suspect a patient has monkeypox.	<a href="https://www.bmj.com/content/377/bmj.o1413.full">https://www.bmj.com/content/377/bmj.o1413.full</a>
07/06/2022	SpF	Report	Cas de Monkeypox : point de situation au 7 juin 2022	Au 7 juin 2022 à 14h, 66 cas confirmés de Monkeypox ont été rapportés en France : 48 en Ile-de-France, 8 en Occitanie, 5 en Auvergne-Rhône-Alpes, 2 en Normandie, 1 dans les Hauts-de-France, 1 en Centre-val de Loire et 1 en Paca.	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-7-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-7-juin-2022</a>
06/06/2022	US CDC	Report	2022 Monkeypox and Orthopoxvirus Outbreak Global Map	Regularly updated map of global monkeypox cases	<a href="https://www.cdc.gov/poxvirus/monkeypox/response/2022/world-map.html">https://www.cdc.gov/poxvirus/monkeypox/response/2022/world-map.html</a>
04/06/2022	WHO	Report	Monkeypox minimum dataset case reporting form (CRF)	A global minimum data set has been created by WHO to facilitate capturing the key epidemiologic parameters on monkeypox cases, for the purposes of global situational awareness and reporting.	<a href="https://www.who.int/publications/m/item/monkeypox-minimum-dataset-case-reporting-form-(crf)">https://www.who.int/publications/m/item/monkeypox-minimum-dataset-case-reporting-form-(crf)</a>
04/06/2022	WHO	Report	Multi-country monkeypox outbreak: situation update	Since 13 May 2022, and as of 2 June 2022, 780 laboratory confirmed cases of monkeypox have been reported to or identified by WHO from 27 Member States across four WHO regions that are not endemic for monkeypox virus. Most reported cases so far have been presented through sexual health or other health services in primary or secondary health care facilities and have involved mainly, but not exclusively, men who have sex with men (MSM).	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON390">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON390</a>
03/06/2022	WHO	Expert consultation	WHO monkeypox research: What are the knowledge gaps and priority research questions?	All recordings and presentation from the Global expert consultation of WHO on monkeypox research gaps and priorities are now available on the event webpage.	<a href="https://www.who.int/news-room/events/detail/2022/06/02/default-calendar/who-monkeypox-research-what-are-the-knowledge-gaps-and-priority-research-questions">https://www.who.int/news-room/events/detail/2022/06/02/default-calendar/who-monkeypox-research-what-are-the-knowledge-gaps-and-priority-research-questions</a>
03/06/2022	SpF	Report	Cas de Monkeypox : point de situation au 3 juin 2022	51 cas confirmés en France : 37 en Ile-de-France, 6 en Occitanie, 4 en Auvergne-Rhône-Alpes, 2 en Normandie, 1 dans les Hauts-de-France et 1 en Centre-val de Loire. Tous les cas investigués sont des hommes, âgés entre 22 et 63 ans (âge médian : 37 ans).	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-3-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-3-juin-2022</a>
03/06/2022	ECDC	Report	Communicable disease threats report, 29-4 June 2022, week 22	Update on communicable diseases, among which monkeypox (725 cases confirmed in non-endemic countries)	<a href="https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-29-4-june-2022-week-22">https://www.ecdc.europa.eu/en/publications-data/communicable-disease-threats-report-29-4-june-2022-week-22</a>
02/06/2022	ECDC	Guidelines	Interim advice on Risk Communication and Community Engagement during the monkeypox outbreak in Europe, 2022	This document is intended for health authorities working on RCCE in the context of the current monkeypox outbreak in Europe. It provides advice on approaches to the communication of risks and engagement of population groups based on the outbreak's epidemiology and context, recommended preventive measures and people's perceptions and behaviour.	<a href="https://www.ecdc.europa.eu/en/publications-data/interim-advice-risk-communication-and-community-engagement-during-monkeypox">https://www.ecdc.europa.eu/en/publications-data/interim-advice-risk-communication-and-community-engagement-during-monkeypox</a>
02/06/2022	FIND	Data	Monkeypox test directory	FIND is now collating a searchable directory of monkeypox tests.	<a href="https://www.finddx.org/mpx-test-directory/">https://www.finddx.org/mpx-test-directory/</a>
01/06/2022	SpF	Report	Cas de Monkeypox : point de situation au 01 juin 2022	33 cas confirmés de Monkeypox ont été rapportés en France	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-1er-juin-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-1er-juin-2022</a>
01/06/2022	UKHSA	Guidelines	Monkeypox: background information	The epidemiology, symptoms, diagnosis and management of monkeypox virus infections.	<a href="https://www.gov.uk/guidance/monkeypox">https://www.gov.uk/guidance/monkeypox</a>
01/06/2022	UKHSA	Guidelines	Monkeypox vaccination	Recommendations for the use of pre and post exposure vaccination during a monkeypox incident.	<a href="https://www.gov.uk/government/publications/monkeypox-vaccination">https://www.gov.uk/government/publications/monkeypox-vaccination</a>
01/06/2022	UKHSA	Guidelines	Monkeypox: diagnostic testing	This guidance is aimed at clinical diagnostic laboratories both in the public and private sector.	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
01/06/2022	UKHSA	Guidelines	Monkeypox: case definitions	This guidance describes case definitions to inform testing and reporting of suspected monkeypox cases.	<a href="https://www.gov.uk/guidance/monkeypox-case-definitions">https://www.gov.uk/guidance/monkeypox-case-definitions</a>

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01/06/2022	UKHSA	Guidelines	Monkeypox: contact tracing	This guidance provides principles for risk assessment and follow-up of contacts of confirmed monkeypox cases. It is intended to support risk assessment and categorisation of contacts to ensure they are offered appropriate isolation advice and vaccination.	<a href="https://www.gov.uk/government/publications/monkeypox-contact-tracing">https://www.gov.uk/government/publications/monkeypox-contact-tracing</a>
31/05/2022	UKHSA	Guidelines	Monkeypox: prisons and places of detention	Public health advice for prisons and other prescribed places of detention.	<a href="https://www.gov.uk/guidance/monkeypox-secure-and-detained-settings">https://www.gov.uk/guidance/monkeypox-secure-and-detained-settings</a>
31/05/2022	ECDC	Report	Epidemiological update: Monkeypox multi-country outbreak	ECDC update on the epidemic in Europe. As of 31.05, a total of 321 cases have been confirmed in the EU/EEA, and a total of 557 cases have been confirmed worldwide (including EU/EEA)	<a href="https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak-0">https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak-0</a>
30/05/2022	SpF	Report	Cas de Monkeypox : point de situation au 30 mai 2022	17 cas confirmés de Monkeypox ont été rapportés en France	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-30-mai-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-30-mai-2022</a>
30/05/2022	UKHSA	Guidelines	De-isolation and discharge of monkeypox-infected patients: interim guidance	This interim guidance has been produced by the UK Health Security Agency (UKHSA) to support NHS Trusts in managing the de-isolation and discharge of monkeypox infected patients. Arrangements for individual patients should be considered on a case-by-case basis. This guidance will be updated in due course.	<a href="https://www.gov.uk/guidance/de-isolation-and-discharge-of-monkeypox-infected-patients-interim-guidance">https://www.gov.uk/guidance/de-isolation-and-discharge-of-monkeypox-infected-patients-interim-guidance</a>
30/05/2022	UKHSA	Guidelines	Principles for monkeypox control in the UK: 4 nations consensus statement	New guidance to support healthcare professionals to respond to the outbreak of monkeypox has been agreed by the UK's 4 public health agencies.	<a href="https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement">https://www.gov.uk/government/publications/principles-for-monkeypox-control-in-the-uk-4-nations-consensus-statement</a>
30/05/2022	<a href="https://www.infectiologie.com">Infectiologie.com</a>	News	Monkeypox: actualités mise à jour	Page du site <a href="https://www.infectiologie.com">Infectiologie.com</a> (SPILF, CMIT, SNMInf, CNP-MIT) sur le monkeypox - mise à jour régulièrement	<a href="https://www.infectiologie.com/fr/actualites/monkeypox-actualites-mise-a-jour_-n.html">https://www.infectiologie.com/fr/actualites/monkeypox-actualites-mise-a-jour_-n.html</a>
29/05/2022	WHO	Report	Multi-country monkeypox outbreak in non-endemic countries: Update	<ul style="list-style-type: none"> <li>- As of 26 May, a cumulative total of 257 laboratory confirmed cases and around 120 suspected cases have been reported to WHO. No deaths have been reported.</li> <li>- There may have been undetected transmission for some time as well as recent amplifying events.</li> <li>- Immediate actions should focus on providing accurate information to people at risk, stopping further spread, protect HCW.</li> </ul>	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON388">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON388</a>
28/05/2022	SpF	Report	Cas de Monkeypox : point de situation au 27 mai 2022	16 cas confirmés de Monkeypox ont été rapportés en France	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-28-mai-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-28-mai-2022</a>
27/05/2022	BMJ	Report	BMJ Best Practice - Poxvirus infection (monkeypox and smallpox)	BMJ Best Practice webpage on Poxvirus infection (monkeypox and smallpox), includes and overview and information on theory, diagnosis, management, follow-up.	<a href="https://bestpractice.bmj.com/topics/en-gb/1611#important-update">https://bestpractice.bmj.com/topics/en-gb/1611#important-update</a>
27/05/2022	US CDC	Guidelines	Use of JYNNEOS (Smallpox and Monkeypox Vaccine, Live, Nonreplicating) for Preexposure Vaccination of Persons at Risk for Occupational Exposure to Orthopoxviruses: Recommendations of the Advisory Committee on Immunization Practices — United States, 2022	This report describes the ACIP recommendations for the use of JYNNEOS for preexposure prophylaxis in persons at occupational risk for exposure to orthopoxviruses.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7122e1.htm?s_cid=mm7122e1_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7122e1.htm?s_cid=mm7122e1_x</a>
27/05/2022	US CDC	Guidelines	US CDC - Monkeypox	Latest update of the US CDC Monkeypox page. Includes recommendations (for clinicians, lab personnel, vets), for treatment and vaccination among others	<a href="https://www.cdc.gov/poxvirus/monkeypox/index.html">https://www.cdc.gov/poxvirus/monkeypox/index.html</a>
27/05/2022	SpF	Report	Cas de Monkeypox : point de situation au 27 mai 2022	7 cas confirmés de Monkeypox ont été rapportés en France	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-27-mai-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-27-mai-2022</a>
26/05/2022	Reuters	News	U.S. confirms 9 monkeypox cases in 7 states	CDC director informed of 9 cases confirmed in 7 states in the US. Some did not have a recent history of international travel. All of the cases are within gay, bisexual men and other men who have sex with men.	<a href="https://www.reuters.com/world/us/us-confirms-nine-monkeypox-cases-seven-states-2022-05-26/">https://www.reuters.com/world/us/us-confirms-nine-monkeypox-cases-seven-states-2022-05-26/</a>
26/05/2022	UKHSA	Guidelines	Recommendations for the use of pre and post exposure vaccination during a monkeypox incident	Information and recommendations for pre- and post-exposure use of Imvanex (MVA-BN) - updated in May 2022	<a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1077678/Recommendations-for-use-of-pre-and-post-exposure-vaccination-during-a-monkeypox-incident.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1077678/Recommendations-for-use-of-pre-and-post-exposure-vaccination-during-a-monkeypox-incident.pdf</a>
25/05/2022	COREB	Guidelines	Monkeypox - COREB	Recommandations pour les cliniciens - diagnostic clinique et biologique, protection.	<a href="https://www.coreb.infectiologie.com/fr/monkeypox.html">https://www.coreb.infectiologie.com/fr/monkeypox.html</a>

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25/05/2022	SpF	Report	Cas de Monkeypox : point de situation au 25 mai 2022	7 cas confirmés de Monkeypox ont été rapportés en France	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-25-mai-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-25-mai-2022</a>
25/05/2022	ECDC	Report	Epidemiological update: Monkeypox multi-country outbreak	A multi-country outbreak of monkeypox is ongoing since early May. As of 25 May 2022, a total of 219 confirmed cases have been reported worldwide, with most of cases being detected in young men, self-identifying as men who have sex with men (MSM).	<a href="https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak">https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-multi-country-outbreak</a>
24/05/2022	HCSP	Guidelines	Conduite à tenir autour d'un cas suspect, probable ou confirmé d'infection à Monkeypox virus	Recommandations concernant les différentes thérapeutiques disponibles (antiviraux, immunoglobulines spécifiques, plasmas hyper-immuns) contre l'infection chez l'homme et la doctrine de recours à ces dernières.	<a href="https://www.hcsp.fr/Explore.cgi/avisrapportsdomaine?clef=1212">https://www.hcsp.fr/Explore.cgi/avisrapportsdomaine?clef=1212</a>
24/05/2022	UKHSA	Guidelines	Monkeypox: diagnostic testing	Information on taking, submitting and processing samples which potentially contain monkeypox virus.	<a href="https://www.gov.uk/guidance/monkeypox-diagnostic-testing">https://www.gov.uk/guidance/monkeypox-diagnostic-testing</a>
24/05/2022	SpF	Report	Cas de Monkeypox : point de situation au 24 mai 2022	5 cas confirmés de Monkeypox ont été rapportés en France : 3 en Ile-de-France, 1 en Auvergne-Rhône-Alpes, 1 en Occitanie. E France, la surveillance pérenne du Monkeypox par le dispositif de la déclaration obligatoire est renforcée et des messages d'informations et d'alerte sont adressés aux professionnels de santé	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-24-mai-2022">https://www.santepubliquefrance.fr/les-actualites/2022/cas-de-monkeypox-point-de-situation-au-24-mai-2022</a>
24/05/2022	US CDC	Report	2022 United States Monkeypox Case	Recommendations for clinicians, health departments, and vaccine guidance in the context of the current 2022 outbreak.	<a href="https://www.cdc.gov/poxvirus/monkeypox/outbreak/current.html">https://www.cdc.gov/poxvirus/monkeypox/outbreak/current.html</a>
24/05/2022	HAS	News	Monkeypox : vacciner les adultes et professionnels de santé après une exposition à la maladie	La HAS recommande la mise en œuvre d'une stratégie vaccinale réactive, c'est-à-dire autour d'un cas confirmé : les adultes dont le contact avec une personne infectée est considéré comme à risque, y compris les professionnels de santé exposés sans mesure de protection individuelle. Cette vaccination doit être effectuée uniquement avec le vaccin de troisième génération.	<a href="https://www.has-sante.fr/jcms/p_3340419/fr/monkeypox-vacciner-les-adultes-et-professionnels-de-sante-apres-une-exposition-a-la-maladie">https://www.has-sante.fr/jcms/p_3340419/fr/monkeypox-vacciner-les-adultes-et-professionnels-de-sante-apres-une-exposition-a-la-maladie</a>
23/05/2022	US CDC	Guidelines	Travel notice - Monkeypox in Multiple Countries	CDC issued a travel alert of Level 2: Practice Enhanced Precautions.	<a href="https://wwwnc.cdc.gov/travel/notices/alert/monkeypox">https://wwwnc.cdc.gov/travel/notices/alert/monkeypox</a>
23/05/2022	ECDC	Report	Risk assessment: Monkeypox multi-country outbreak	Monkeypox (MPX) does not spread easily between people. The overall risk is assessed as moderate for persons having multiple sexual partners (including some groups of MSM) and low for the broader population.	<a href="https://www.ecdc.europa.eu/en/publications-data/risk-assessment-monkeypox-multi-country-outbreak">https://www.ecdc.europa.eu/en/publications-data/risk-assessment-monkeypox-multi-country-outbreak</a>
22/05/2022	WHO	Guidelines	Monkeypox: public health advice for gay, bisexual and other men who have sex with men	Information on how monkeypox spreads, what to do if you think you have symptoms and how to protect yourself and others. This document can be used by community leaders, influencers, health workers and people attending social events and parties to inform and engage communities of men who have sex with men.	<a href="https://www.who.int/publications/m/item/monkeypox-public-health-advice-for-men-who-have-sex-with-men">https://www.who.int/publications/m/item/monkeypox-public-health-advice-for-men-who-have-sex-with-men</a>
22/05/2022	WHO	Guidelines	Surveillance, case investigation and contact tracing for Monkeypox	This guidance serves to provide interim recommendations for the surveillance, case investigation and contact tracing for human monkeypox in the context of the current multi-country outbreak.	<a href="https://www.who.int/publications/i/item/WHO-MPX-surveillance-2022.1">https://www.who.int/publications/i/item/WHO-MPX-surveillance-2022.1</a>
22/05/2022	Politico	News	Belgium introduces quarantine for monkeypox cases	Belgium has become the first country to introduce a compulsory 21-day quarantine for monkeypox patients after reporting four cases of the disease in the last week.	<a href="https://www.politico.eu/article/belgium-introduce-quarantine-monkeypox-case/">https://www.politico.eu/article/belgium-introduce-quarantine-monkeypox-case/</a>
21/05/2022	UKHSA	Guidelines	Monkeypox vaccination	Recommendations for the use of pre and post exposure vaccination during a monkeypox incident.	<a href="https://www.gov.uk/government/publications/monkeypox-vaccination">https://www.gov.uk/government/publications/monkeypox-vaccination</a>
21/05/2022	UKHSA	Guidelines	Monkeypox: contact tracing	Classification of contacts and advice for vaccination and follow-up of contacts of confirmed monkeypox cases.	<a href="https://www.gov.uk/government/publications/monkeypox-contact-tracing">https://www.gov.uk/government/publications/monkeypox-contact-tracing</a>
21/05/2022	WHO	Report	Multi-country monkeypox outbreak in non-endemic countries	The objective of this Disease Outbreak News is to raise awareness, inform readiness and response efforts, and provide technical guidance for immediate recommended actions.	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON385">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON385</a>
21/05/2022	UKHSA	Fact sheet	Monkeypox	The epidemiology, symptoms, diagnosis and management of monkeypox virus infections.	<a href="https://www.gov.uk/guidance/monkeypox">https://www.gov.uk/guidance/monkeypox</a>
20/05/2022	US CDC	Report	Monkeypox Virus Infection in the United States and Other Non-endemic Countries—2022	Health Alert Network (HAN) Health Advisory to ask clinicians in the United States to be vigilant to the characteristic rash associated with monkeypox. Includes recommendations for clinicians, health departments, and the public	<a href="https://emergency.cdc.gov/han/2022/han00466.asp">https://emergency.cdc.gov/han/2022/han00466.asp</a>
20/05/2022	WHO	News	WHO working closely with countries responding to monkeypox	80 confirmed cases so far, and 50 pending investigations. WHO is working with the affected countries and others to expand disease surveillance to find and support people who may be affected, and to provide guidance on how to manage the disease.	<a href="https://www.who.int/news/item/20-05-2022-who-working-closely-with-countries-responding-to-monkeypox">https://www.who.int/news/item/20-05-2022-who-working-closely-with-countries-responding-to-monkeypox</a>
20/05/2022	ECDC	News	Epidemiological update: Monkeypox outbreak	As of 20 May 2022, there have been a total of 38 confirmed cases reported worldwide, 37 of which have no history of travel to endemic countries.	<a href="https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-outbreak">https://www.ecdc.europa.eu/en/news-events/epidemiological-update-monkeypox-outbreak</a>

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20/05/2022	SpF	News	Cas groupés d'infection par le virus Monkeypox	Situation in Europe and France, overview on monkeypox	<a href="https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/cas-groupes-d-infection-par-le-virus-monkeypox">https://solidarites-sante.gouv.fr/soins-et-maladies/maladies/maladies-infectieuses/cas-groupes-d-infection-par-le-virus-monkeypox</a>
19/05/2022	SpF	News	Cas européens de Monkeypox : mise en place d'une surveillance renforcée	Situation in Europe and France, overview on monkeypox	<a href="https://www.santepubliquefrance.fr/les-actualites/2022/cas-europeens-de-monkeypox-mise-en-place-d-une-surveillance-renforcee">https://www.santepubliquefrance.fr/les-actualites/2022/cas-europeens-de-monkeypox-mise-en-place-d-une-surveillance-renforcee</a>
19/05/2022	WHO	Fact sheet	Monkeypox - factsheet	Overview on monkeypox: info on the pathogen, natural host, outbreaks, transmission, signs and symptoms, diagnosis, therapeutics, vaccination, prevention.	<a href="https://www.who.int/news-room/fact-sheets/detail/monkeypox">https://www.who.int/news-room/fact-sheets/detail/monkeypox</a>
19/05/2022	ECDC	News	Monkeypox cases reported in UK and Portugal	ECDC on cases, transmission and symptoms, disease background, immediate recommendations, and actions	<a href="https://www.ecdc.europa.eu/en/news-events/monkeypox-cases-reported-uk-and-portugal">https://www.ecdc.europa.eu/en/news-events/monkeypox-cases-reported-uk-and-portugal</a>
18/05/2022	UKHSA	Guidelines	Monkeypox	Information on monkeypox for the general public	<a href="https://www.gov.uk/guidance/monkeypox">https://www.gov.uk/guidance/monkeypox</a>
16/05/2022	WHO	News	Monkeypox - United Kingdom of Great Britain and Northern Ireland	First WHO alert describing the situation at a glance, cases, epidemiology of the disease, public health response, and WHO risk assessment.	<a href="https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON3811">https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON3811</a>

## Mpox outbreak Factsheet and news

UPDATE OF 28 APRIL 2023

This document is composed of 3 different tabs: General information, Relevant news, and Scientific articles

The content and presentation of this document are subject to change as the situation evolves.

Every information presented comes from a valid and credible source.

The redaction of this document is coordinated by:

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The "Scientific articles" tab presents relevant articles published on peer-reviewed scientific journals or pre-print platforms since May 2022

Date	Source	Type of publication	Title	Key facts	Link
28/04/2023	MMWR	Research article	Notes from the Field: Posttreatment Lesions After Tecovirimat Treatment for Mpox — New York City, August–September 2022	A presentation of mpox cases and their evolution following tecovirimat treatment.	<a href="http://dx.doi.org/10.15585/mmwr.mm7217a5">http://dx.doi.org/10.15585/mmwr.mm7217a5</a>
27/04/2023	Eurosurveillance	Research article	Mpox outbreak among men who have sex with men in Amsterdam and Rotterdam, the Netherlands: no evidence for undetected transmission prior to May 2022, a retrospective study	Our findings suggest that mpox transmission did not occur in Dutch sexual networks of MSM before May 2022. The mpox outbreak appeared to spread across Europe over only a short time in the spring of 2022 through an international highly intertwined network of sexually active MSM.	<a href="https://doi.org/10.2807/1560-7917.ES.2023.28.17.2200869">https://doi.org/10.2807/1560-7917.ES.2023.28.17.2200869</a>
26/04/2023	bioRxiv	Research article	A Quadrivalent mRNA immunization elicits potent immune responses against vaccinia and monkeypox viral antigens – a step closer to a broad orthopoxvirus vaccine	The proposed mRNA vaccine encoding four vaccinia antigens induced immunity not only to vaccinia virus but also to mpox, suggesting that the mRNA-ALAB may be a candidate for potential vaccine development against infection of monkeypox, smallpox and possibly other orthopoxviruses.	<a href="https://doi.org/10.1101/2023.04.23.537951">https://doi.org/10.1101/2023.04.23.537951</a>
25/04/2023	Clin Microbiol Infect	Research article	Risk assessment of human mpox infections: Retrospective cohort study	Weighting individuals' risk levels based on validated risk factors against vaccine availability can assist health systems in the equitable prioritization of vaccine allocation in various future outbreaks, given supply-demand gaps.	<a href="https://doi.org/10.1016/j.cmi.2023.04.022">https://doi.org/10.1016/j.cmi.2023.04.022</a>
24/04/2023	medRxiv	Research article	Development of a Novel Serological Assay for the Detection of Mpox Infection in Vaccinated Populations	In this report, we developed a high-throughput multiplex microsphere immunoassay (MIA) using a combination of mpox-specific peptides and cross-reactive OPV proteins that results in the specific serologic detection of mpox infection with 93% sensitivity and 98% specificity.	<a href="https://doi.org/10.1101/2023.04.18.23288419">https://doi.org/10.1101/2023.04.18.23288419</a>
21/04/2023	Lancet Infect Dis	Correspondence	Persistent ocular mpox infection in an immunocompetent individual	Report of an individual with persistent mpox ocular involvement over 8 months, who was poorly responsive to multiple tecovirimat cycles, and was successfully administered a combined antiviral treatment of tecovirimat and cidofovir	<a href="https://doi.org/10.1016/S1473-3099(23)00266-9">https://doi.org/10.1016/S1473-3099(23)00266-9</a>
18/04/2023	Emerg Microbes Infect	Research article	Mpox multi-antigen mRNA vaccine candidates by a simplified manufacturing strategy afford efficient protection against lethal orthopoxvirus challenge	By utilizing a simplified manufacturing strategy of mixing DNA plasmids before transcription, authors developed two multi-antigen mRNA vaccine candidates, which encode four or six mpox virus antigens, and are promising candidates to combat mpox.	<a href="https://doi.org/10.1080/22221751.2023.2204151">https://doi.org/10.1080/22221751.2023.2204151</a>
17/04/2023	medRxiv	Research article	Complement-dependent mpox virus-neutralizing antibodies in infected and vaccinated individuals	Description of two assays for quantification of neutralizing antibodies (NAbs), using MVA-GFP or a recently isolated MPXV. Study results indicate that MPXV neutralization is complement-dependent and help uncover the mechanisms underlying vaccine effectiveness.	<a href="https://doi.org/10.1101/2023.04.14.23288385">https://doi.org/10.1101/2023.04.14.23288385</a>
15/04/2023	Lancet	Correspondence	The emergence of mpox as an HIV-related opportunistic infection	The emergence of mpox as an opportunistic infection highlights the need for continued aggressive, comprehensive strategies for HIV testing, prevention, linkage to care, and treatment services to prevent HIV infection or disease progression that will reduce people's risk for severe mpox.	<a href="https://doi.org/10.1016/S0140-6736(23)00395-1">https://doi.org/10.1016/S0140-6736(23)00395-1</a>
14/04/2023	MMWR	Research article	Epidemiologic and Clinical Features of Mpox-Associated Deaths — United States, May 10, 2022–March 7, 2023	38 mpox-associated deaths occurred in the US during May 10, 2022–March 7, 2023 (1.3 mpox-associated deaths per 1,000 cases). Most decedents were non-Hispanic Black or African American (87%) persons and cisgender men (95%). Among 24 decedents with HIV for whom data were available, all had advanced HIV, typically with a CD4 count <50.	<a href="http://dx.doi.org/10.15585/mmwr.mm7215a5">http://dx.doi.org/10.15585/mmwr.mm7215a5</a>
14/04/2023	MMWR	Research article	Racial and Ethnic Disparities in Mpox Cases and Vaccination Among Adult Males — United States, May–December 2022	During May 10–December 31, 2022, mpox incidence among non-Hispanic Black or African American (Black) and Hispanic or Latino (Hispanic) males was higher than that among non-Hispanic White (White) males. Although overall ≥1-dose JYNNEOS vaccination rates were higher among Black and Hispanic males than White males, they were not high enough to fully offset the disproportionate incidence.	<a href="http://dx.doi.org/10.15585/mmwr.mm7215a4">http://dx.doi.org/10.15585/mmwr.mm7215a4</a>
12/04/2023	Emerg Infect Dis.	Research article	Mpox among Public Festival Attendees, Chicago, Illinois, USA, July–August 2022	In a mpox outbreak after a 2022 LGBTQ event in Chicago, Illinois, USA, among case-patients, 38% had received 1 dose of mpox vaccine, none 2 doses; most reported sexual activity during the probable exposure period.	<a href="https://doi.org/10.3201/eid2905.221797">https://doi.org/10.3201/eid2905.221797</a>
06/04/2023	JAMA Netw Open	Research article	Availability and Accessibility of Live Nonreplicating Smallpox/Mpox Vaccine	This cross-sectional study compares the availability and accessibility of mpox vaccine sites in the US with the number of reported cases and allocated vaccines.	<a href="https://doi.org/10.1001/2023.7873">https://doi.org/10.1001/2023.7873</a>
06/04/2023	J Infect.	Research article	Viral bloodstream detection in mpox patients: an observational multicentric study	Mpox virus detection in the bloodstream was studied in 162 patients, with mpox DNA detected in 106 of them. Viremia typically lasted up to 2 weeks after symptom onset.	<a href="https://doi.org/10.1016/j.jinf.2023.04.001">https://doi.org/10.1016/j.jinf.2023.04.001</a>
06/04/2023	Lancet Infect Dis	Editorial	A tale of potential mpox reinfection	Discussion on two independent cases of potential mpox reinfection reported in this issue of The Lancet Infectious Diseases.	<a href="https://doi.org/10.1016/s1473-3099(23)00219-0">https://doi.org/10.1016/s1473-3099(23)00219-0</a>
04/04/2023	J Infect Dis.	Research article	Time scales of human mpox transmission in the Netherlands	Of 109 pairs of mpox cases in the Netherlands, we identified 34 pairs where transmission was likely and the infectee reported a single potential infector with a mean serial interval of 10.1 days (95% CI: 6.6–14.7 days). Further investigation into pairs from one regional public health service revealed possible pre-symptomatic transmission in five out of eighteen pairs.	<a href="https://doi.org/10.1093/infdis/jiad091">https://doi.org/10.1093/infdis/jiad091</a>

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31/03/2023	MMWR	Research article	JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox - United States, May 22, 2022-January 31, 2023	During the current multinational outbreak, U.S. 1- and 2-dose vaccination coverage reached an estimated 37% and 23%, respectively, among persons at risk, with wide variation among jurisdictions.	<a href="https://doi.org/10.15585/mmwr.mm7213a4">https://doi.org/10.15585/mmwr.mm7213a4</a>
30/03/2023	Lancet Infect Dis	Correspondence	Tecovirimat concentrations and viral suppression in seminal fluid from patients with mpox	This is the first description of tecovirimat penetration into the genital tract of men with mpox. Similar compartmentalisation results were observed from pharmacokinetics studies in monkeys.	<a href="https://doi.org/10.1016/s1473-3099(23)00214-1">https://doi.org/10.1016/s1473-3099(23)00214-1</a>
30/03/2023	Plos One	Research article	Mpox in Nigeria: Perceptions and knowledge of the disease among critical stakeholders-Global public health consequences	This study shows that there is disparity in the knowledge and perception of mpox in the study population (HCW, academics, tertiary students), and as a result, there is a need to intensify awareness about MPXV infection to enhance positive perception among the respondents.	<a href="https://doi.org/10.1371/journal.pone.0283571">https://doi.org/10.1371/journal.pone.0283571</a>
23/03/2023	NEJM	Letter	Erythema and Induration after Mpox (JYNNEOS) Vaccination Revisited	The reanalysis of results from the NIH trial on intradermal administration of JYNNEOS with the use of the contemporaneous FDA Toxicity Grading Scale showed that the intradermal route was safe and did not lead to unacceptable local reactions.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2215846">https://www.nejm.org/doi/full/10.1056/NEJMc2215846</a>
23/03/2023	Eurosurveillance	Research article	Mpox outbreak in the Netherlands, 2022: public health response, characteristics of the first 1,000 cases and protection of the first-generation smallpox vaccine	We wanted to describe the public health response in the Netherlands and the characteristics of the cases to explore which population is at highest risk. We also explored whether the smallpox vaccine available globally before 1978 protects against moderate/severe mpox symptoms.	<a href="https://doi.org/10.2807/1560-7917.ES.2023.28.12.2200772">https://doi.org/10.2807/1560-7917.ES.2023.28.12.2200772</a>
23/03/2023	medRxiv	Research article	Antiviral activities of two nucleos(t)ide analogs against vaccinia and mpox viruses in primary human fibroblasts	Testing of two compounds, nucleoside trifluridine and nucleotide adefovir dipivoxil, which show antiviral activities against vaccinia virus (VACV) and mpox virus (MPXV) in physiologically relevant primary human fibroblasts.	<a href="https://doi.org/10.1101/2023.03.23.533943">https://doi.org/10.1101/2023.03.23.533943</a>
23/03/2023	J Med Virol	Research article	Mpox in the New York Metropolitan area, Summer 2022	This case series summarizes the authors' clinical experience detecting and treating MPX, during a quickly evolving outbreak.	<a href="https://doi.org/10.1002/jmv.28699">https://doi.org/10.1002/jmv.28699</a>
22/03/2022	JAMA Dermatology	Research article	Genital Pseudotumor as a Manifestation of Mpox Virus Infection	Case report of a 37-year-old man was referred to the dermatology department with a 1-week history of a genital nodule.	<a href="https://doi.org/10.1001/jamadermatol.2023.0307">https://doi.org/10.1001/jamadermatol.2023.0307</a>
20/03/2023	PNAS	Comment	Pathogenesis of the circulating mpox virus and its adaptation to humans	A comment on pathogenesis, transmission and virulence of circulating MPXV.	<a href="https://doi.org/10.1073/pnas.2301662120">https://doi.org/10.1073/pnas.2301662120</a>
17/03/2023	J Clin Virol	Research article	Evaluation of 16 molecular assays for the detection of orthopox and mpox viruses	Variations in limits of detection between assays may be dependent on the platform used and sample type. Despite the overall comparable performance of the assays assessed, it is important that routine laboratories perform in-house validations before implementing RT-PCR for OPX and/or MPXV.	<a href="https://doi.org/10.1016/j.jcv.2023.105424">https://doi.org/10.1016/j.jcv.2023.105424</a>
17/03/2023	J Med Virol	Research article	Anticipating the transmissibility of the 2022 mpox outbreak	The R0 value derived from MPXV is consistent with the significantly increasing number of cases, indicating the risk of a rapid spread of MPXV worldwide, which would provide important insights for the prevention and control of MPXV epidemic.	<a href="https://doi.org/10.1002/jmv.28683">https://doi.org/10.1002/jmv.28683</a>
16/03/2023	Int J Infect Dis	Research article	Viable mpox virus in the environment of a patient room	A prospective environmental surveillance study to investigate the air, surface, dust and water contamination of a room occupied by a patient infected with mpox virus (MPXV) at various stages of the illness.	<a href="https://doi.org/10.1016/j.ijid.2023.03.016">https://doi.org/10.1016/j.ijid.2023.03.016</a>
14/03/2023	BMJ Global Health	Research article	Mpox (monkeypox) information on TikTok: analysis of quality and audience engagement	Public-directed TikTok videos on mpox frequently provide incomplete, inaccurate information, highlighting the potential risks of using TikTok as a health information source.	<a href="http://dx.doi.org/10.1136/bmjgh-2022-011138">http://dx.doi.org/10.1136/bmjgh-2022-011138</a>
14/03/2023	Clin Infect Dis	Research article	Evidence of mpox virus infection among persons without characteristic lesions or rash presenting for first dose of JYNNEOS vaccine-District of Columbia, August 2022	This study assessed mpox virus prevalence in blood, pharyngeal, and rectal specimens among persons without characteristic rash presenting for JYNNEOS vaccine. Data indicate that the utility of risk-based screening for mpox in persons without skin lesions or rash via pharyngeal swabs, rectal swabs, and/or blood is likely limited.	<a href="https://doi.org/10.1093/cid/ciad145">https://doi.org/10.1093/cid/ciad145</a>
14/03/2023	Emerg Infect Dis	Research article	Retrospective Screening of Clinical Samples for Monkeypox Virus DNA, California, USA, 2022	Retrospectively screened oropharyngeal and rectal swab samples originally collected in California, USA, for Chlamydia trachomatis and Neisseria gonorrhoeae were testing for the presence of monkeypox virus DNA and showed that among 206 patients screened, 17 (8%) had samples with detectable viral DNA. Monkeypox virus testing from mucosal sites should be considered for at-risk patients.	<a href="https://doi.org/10.3201/eid2904.221576">https://doi.org/10.3201/eid2904.221576</a>
14/03/2023	Cochrane Database Syst Rev	Review	Therapeutics for treating mpox in humans	This review found no evidence from randomized controlled trials concerning the efficacy and safety of therapeutics in humans with mpox and very low-certainty evidence from non-randomized studies indicates no serious safety signals emerging for the use of tecovirimat in people with mpox infection and a safety signal that brincidofovir may cause liver injury.	<a href="https://doi.org/10.1002/14651858.cd015769">https://doi.org/10.1002/14651858.cd015769</a>
13/03/2023	Lancet Infect Dis	Research article	Effectiveness of one dose of MVA-BN smallpox vaccine against mpox in England using the case-coverage method: an observational study	In this case-coverage study, mpox cases in England were sent questionnaires collecting information to access the effectiveness of a single MVA-BN (Modified Vaccinia Ankara-Bavaria Nordic) dose against symptomatic mpox disease in at-risk GBMSM. A single vaccine dose was highly protective against symptomatic mpox disease, making it a useful tool for mpox outbreak control when rapid protection is needed.	<a href="https://doi.org/10.1016/S1473-3099(23)00057-9">https://doi.org/10.1016/S1473-3099(23)00057-9</a>
13/03/2023	Lancet Infect Dis	Comment	Can a single dose of Modified Vaccinia Ankara-Bavarian Nordic vaccine protect against mpox?	Comment on Bertan's article on MVA-BN vaccine effectiveness from an African point of view	<a href="https://doi.org/10.1016/S1473-3099(23)00115-9">https://doi.org/10.1016/S1473-3099(23)00115-9</a>
11/03/2023	Clin Infect Dis	Case report	A case of mpox reinfection	A case report of a healthy young man first diagnosed with mpox in May 2022 presented again in November 2022 with anal proctitis and a positive PCR on a rectal swab for MPX virus (MPXV) after a recent trip to Brazil, where he engaged in condomless sexual intercourse with multiple male partners.	<a href="https://doi.org/10.1093/cid/ciad147">https://doi.org/10.1093/cid/ciad147</a>
10/03/2023	J Med Virol	Research article	Repurposing of the antibiotic nitroxoline for the treatment of mpox	This study presents the nitroxoline, a hydroxyquinoline antibiotic, such as a repurposing candidate for the treatment of mpox due to both antiviral and antimicrobial activity.	<a href="https://doi.org/10.1002/jmv.28652">https://doi.org/10.1002/jmv.28652</a>
09/03/2023	J Infect Dis	Research article	Potential anti-mpox virus activity of atovaquone, mefloquine, and molnupiravir, and their potential use as treatments	In this study, by a drug repurposing approach, it was identified potential drug candidates for treating mpox and predicted their clinical impacts by mathematical modeling.	<a href="https://doi.org/10.1093/infdis/jiad058">https://doi.org/10.1093/infdis/jiad058</a>
09/03/2023	JAMA Ophthalmol	Report	Severe Corneal Involvement Associated With Mpox Infection	This article discusses 2 cases of severe corneal involvement during mpox.	<a href="https://doi.org/10.1001/jamaophthalmol.2023.0022">https://doi.org/10.1001/jamaophthalmol.2023.0022</a>



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08/03/2023	NEJM	Report	An Mpox-Related Death in the United States	A report a death due to mpox in an immunocompromised patient in the United States, and therapeutical considerations.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2214921">https://www.nejm.org/doi/full/10.1056/NEJMc2214921</a>
08/03/2023	BMC Infect Dis	Research article	HIV risk profile and prevention needs of individuals seeking monkeypox (mpox) vaccination in an urban clinic in the U.S.: a brief report	A study survey assessing HIV risk profile and pre-exposure prophylaxis (PrEP) use among HIV-negative individuals seeking mpox vaccination, elucidating HIV prevention gaps and opportunities	<a href="https://doi.org/10.1186/s12879-023-08075-5">https://doi.org/10.1186/s12879-023-08075-5</a>
08/03/2023	BMJ	Comment	Ensuring equitable access in lessons learnt from mpox	Mansour and colleagues discuss management of mpox. it is crucial to remember that, before this multi-country outbreak, mpox was endemic in several African countries—and also to ensure that responses to this outbreak reach endemic countries.	<a href="https://doi.org/10.1136/bmj.p547">https://doi.org/10.1136/bmj.p547</a>
08/03/2023	JAMA	Comment	Severe Form of Mpox Identified in Patients With Advanced HIV	Comments about the severe type of mpox in people with advanced HIV characterized by necrotizing skin lesions, lung nodules, and acute infections, including sepsis, according to an analysis of 382 hospitalized patients from 19 countries published in The Lancet.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2802486">https://jamanetwork.com/journals/jama/fullarticle/2802486</a>
07/03/2023	Lancet Microbe	Review	Mpox respiratory transmission: the state of the evidence	A review of the evidence for respiratory transmission of monkeypox virus (MPXV), examining key works from animal models, human outbreaks and case reports, and environmental studies.	<a href="https://doi.org/10.1016/s2666-5247(23)00034-4">https://doi.org/10.1016/s2666-5247(23)00034-4</a>
04/03/2023	Lancet	Comment	When was mpox a public health emergency?	Clare Wenham and Mark Eccleston-Turner discussed challenges faced by WHO over when to declare an outbreak a PHEIC. They state the PHEIC declaration for mpox could reclaim WHO's "authority in global disease control and demonstrate to states and the global health community that WHO can act in this central role. Yet, with the disease now probably endemic in many regions outside of Africa, was an earlier declaration warranted?	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(23)00142-3/fulltext">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(23)00142-3/fulltext</a>
03/03/2023	MMWR	Report	Interim Clinical Treatment Considerations for Severe Manifestations of Mpox - United States, February 2023	This report synthesizes data from animal models, MCM use for human cases of related OPXV, unpublished data, input from clinician experts, and experience during consultations (including follow-up) to provide interim clinical treatment considerations.	<a href="https://doi.org/10.15585/mmwr.mm7209a4">https://doi.org/10.15585/mmwr.mm7209a4</a>
03/03/2023	MMWR	Research article	Possible Undetected Mpox Infection Among Persons Accessing Homeless Services and Staying in Encampments - San Francisco, California, October-November 2022	Persons experiencing homelessness have been disproportionately affected by severe mpox. The results suggest that three possible undetected mpox infections occurred among a sample of persons experiencing homelessness.	<a href="https://doi.org/10.15585/mmwr.mm7209a3">https://doi.org/10.15585/mmwr.mm7209a3</a>
02/03/2023	Nature Med	Research article	A deep-learning algorithm to classify skin lesions from mpox virus infection	The development of an image-based deep convolutional neural network (MPXV-CNN) with the capability for identifying MPXV lesions and that has the potential to aid in MPXV outbreak mitigation.	<a href="https://doi.org/10.1038/s41591-023-02225-7">https://doi.org/10.1038/s41591-023-02225-7</a>
02/03/2023	Emerg Infect Dis	Research article	Serial Interval and Incubation Period Estimates of Monkeypox Virus Infection in 12 Jurisdictions, United States, May-August 2022	Using data from 12 US health departments, it was estimated the mean serial interval for monkeypox virus infection to be 8.5 (95% credible interval 7.3-9.9) days for symptom onset, based on 57 case pairs. Mean estimated incubation period was 5.6 (95% credible interval 4.3-7.8) days for symptom onset, based on 35 case pairs.	<a href="https://doi.org/10.3201/eid2904.221622">https://doi.org/10.3201/eid2904.221622</a>
02/03/2023	medRxiv	Preprint	An assessment of rates and covariates of mpox diagnosis and vaccination provides evidence to refine eligibility criteria for mpox vaccination among gay, bisexual and other men who have sex with men in the Netherlands	Use of one online self-report survey among GBMSM in the Netherlands between 29 July and 30 August 30, 2022, corresponding to the first month of the Dutch mpox vaccination campaign. Of the 2,460 participants, 73 (3.0%) were diagnosed with mpox and 485 (19.7%) had been vaccinated.	<a href="https://www.medrxiv.org/content/10.1101/2023.02.28.23286578v2">https://www.medrxiv.org/content/10.1101/2023.02.28.23286578v2</a>
01/03/2023	Emerg Infect Dis	Case report	Case Report and Literature Review of Occupational Transmission of Monkeypox Virus to Healthcare Workers, South Korea	A case of occupational monkeypox virus infection from a needlestick injury in a healthcare worker in South Korea and review similar reports in the literature during 2022.	<a href="https://doi.org/10.3201/eid2905.230028">https://doi.org/10.3201/eid2905.230028</a>
22/02/2023	BMJ	News	Mpox: Clinicians identify severe form with high mortality in advanced HIV patients	An international collaboration of clinicians has identified a severe, necrotising form of mpox which carries a high mortality in immunosuppressed people with HIV - an editorial on O. Mitjà et al. Lancet article.	<a href="https://doi.org/10.1136/bmj.p422">https://doi.org/10.1136/bmj.p422</a>
21/02/2023	Lancet	Research article	Mpox in people with advanced HIV infection: a global case series	A severe necrotising form of mpox in the context of advanced immunosuppression appears to behave like an AIDS-defining condition, with a high prevalence of fulminant dermatological and systemic manifestations and death.	<a href="https://doi.org/10.1016/S0140-6736(23)00273-8">https://doi.org/10.1016/S0140-6736(23)00273-8</a>
21/02/2023	Lancet	Comment	Fulminant mpox as an AIDS-defining condition: useful or stigmatising?	Labelling fulminant mpox as an AIDS-defining condition could have the unintended potential of sparking further stigma around both mpox and HIV.	<a href="https://doi.org/10.1016/S0140-6736(23)00333-1">https://doi.org/10.1016/S0140-6736(23)00333-1</a>
21/02/2023	Science	News	Case studies expose deadly risk of mpox to people with untreated HIV	Analysis of hundreds of mpox patients suggests it is "a different disease" in those with compromised immune systems - an editorial on O. Mitjà et al. Lancet article.	<a href="https://www.science.org/content/article/case-studies-expose-deadly-risk-mpox-people-untreated-hiv">https://www.science.org/content/article/case-studies-expose-deadly-risk-mpox-people-untreated-hiv</a>
21/02/2023	Lancet Infect Dis	Correspondence	Overcoming stigma—contracting mpox as a minoritised trainee	A letter on the experience of a queer, sex-positive, trainee physician in New York, NYC, during the mpox (formerly known as monkeypox) outbreak.	<a href="https://doi.org/10.1016/S1473-3099(23)00064-6">https://doi.org/10.1016/S1473-3099(23)00064-6</a>
16/02/2023	Eurosurveillance	Research article	Persistent morbidity in Clade IIb mpox patients: interim results of a long-term follow-up study, Belgium, June to November 2022	The study aimed to evaluate the medium- and long-term morbidity following the acute episode of mpox. This interim report presents the results of the medium-term follow-up (3–20 weeks after infection) of a cohort of mpox patients at a sexual health clinic in Antwerp, Belgium.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2023.28.7.2300072#html_fulltext">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2023.28.7.2300072#html_fulltext</a>
14/02/2023	PNAS	Research article	Virulence differences of mpox (monkeypox) virus clades I, IIa, and IIb.1 in a small animal model	We demonstrate that the wild-derived inbred castaneous mouse provides an exceptional animal model for investigating clade differences in mpox virus virulence and show that the order is clade I > clade IIa > clade IIb.1. The greatly reduced replication of IIb.1 and other evidence suggest that clade IIb is evolving diminished virulence or adapting to other species.	<a href="https://www.pnas.org/doi/10.1073/pnas.2220415120">https://www.pnas.org/doi/10.1073/pnas.2220415120</a>
10/02/2023	Nature	News	WHO may soon end mpox emergency — but outbreaks rage in Africa	African health officials worry that as the mpox outbreak wanes in wealthy countries, so too will the global interest in research and funding.	<a href="https://doi.org/10.1038/d41586-023-00391-9">https://doi.org/10.1038/d41586-023-00391-9</a>

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10/02/2023	medRxiv	Research article	Poor evidence for an effect of tecovirimat in shortening recovery time in hospitalized mpox cases from real-world data	This analysis seems to exclude a clinically important effect of TPOXX in hospitalized mpox patients when compared to no treatment. Pending more robust data from randomized comparisons, the use of TPOXX should be restricted to the clinical trials setting.	<a href="https://www.medrxiv.org/content/10.1101/2023.02.07.23285617v1">https://www.medrxiv.org/content/10.1101/2023.02.07.23285617v1</a>	
09/02/2023	JAMA Dermatology	Report	Mpox—A Rapidly Evolving Disease	This Special Communication provides an overview of the evolution of mpox skin findings from its initial description in humans in 1970 to the present-day multinational outbreak.	<a href="https://doi.org/10.1001/jamadermatol.2023.0041">https://doi.org/10.1001/jamadermatol.2023.0041</a>	
09/02/2023	JAMA Ophthalmology	Report	Necrotizing Blepharoconjunctivitis and Keratitis in Human Monkeypox	In this case report, a patient with mpox presented with ophthalmic manifestations before the onset of skin lesions with manifestations of necrotizing blepharoconjunctivitis.	<a href="https://jamanetwork.com/journals/jamaophthalmology/fullarticle/2801308">https://jamanetwork.com/journals/jamaophthalmology/fullarticle/2801308</a>	
08/02/2023	Lancet Infect Dis	Grand round	Use of cidofovir in a patient with severe mpox and uncontrolled HIV infection	Five documented cases of cidofovir use against hMPXV have been reported in the USA in 2022, but we present its first use in the UK.	<a href="https://doi.org/10.1016/S1473-3099(23)00044-0">https://doi.org/10.1016/S1473-3099(23)00044-0</a>	
06/02/2023	Lancet Infect Dis	Comment	New nomenclature for mpox (monkeypox) and monkeypox virus clades	Although mpox (formerly known as monkeypox) is not new, WHO has endorsed mpox as the new name for this re-emerging disease and backed the scientific community to agree on neutral nomenclature for variants of viruses.	<a href="https://doi.org/10.1016/S1473-3099(23)00055-5">https://doi.org/10.1016/S1473-3099(23)00055-5</a>	
06/02/2023	British Medical Bulletin	Research article	Monkeypox: a review of the 2022 outbreak	Current treatment and vaccination options have been extrapolated from studies of other Orthopox viruses. There remains a need for more data on the safety and efficacy of these options in the context of monkeypox infections.	<a href="https://doi.org/10.1093/bmb/ldad002">https://doi.org/10.1093/bmb/ldad002</a>	
03/02/2023	Int J Infect Dis	Research article	Epidemiological Characteristics and Clinical Features of Patients with Mpox Virus Infection from a Hospital in Peru between July and September 2022	An observational study was conducted at a Peruvian tertiary-level hospital and included all individuals with mpox virus infection between July 1 and September 3, 2022.	<a href="https://doi.org/10.1016/j.ijid.2023.01.045">https://doi.org/10.1016/j.ijid.2023.01.045</a>	
02/02/2023	Lancet Infect Dis	Comment	Treatment and prevention of mpox in pregnant people and young children	Pregnant people, young children <8 years), and people who are immunocompromised are considered to be at increased risk of severe mpox (formerly known as monkeypox). There is an urgent need for improved data about the prevention and treatment of mpox in these groups.	<a href="https://doi.org/10.1016/S1473-3099(23)00054-3">https://doi.org/10.1016/S1473-3099(23)00054-3</a>	
02/02/2023	Emerg Infect Dis	Letter	Monkeypox Virus Evolution before 2022 Outbreak	Phylogenetic analysis of monkeypox virus genomes showed statistically significant divergence and nascent subclades during the 2022 mpox outbreak. The observed microevolutionary pattern most likely reflects community spread of the virus and adaptation to humans.	<a href="https://doi.org/10.3201/eid2902.220962">https://doi.org/10.3201/eid2902.220962</a>	
01/02/2023	Lancet Infect Dis	News	The end of the mpox pandemic?	The decreased numbers of mpox cases in high-income countries indicates that the epidemic is under control but support to endemic countries remains crucial. Talha Burki reports.	<a href="https://doi.org/10.1016/S1473-3099(23)00015-4">https://doi.org/10.1016/S1473-3099(23)00015-4</a>	
01/02/2023	medRxiv	Research article	The fading of the mpox outbreak among men who have sex with men: a mathematical modelling study	The limited size of the mpox outbreak in the Netherlands can be ascribed to the depletion of susceptible MSM with high levels of sexual activity. Subsequent decline was accelerated by behavioural changes in July 2022. Immunity due to infection and vaccination among those most sexually active diminishes the risk of resurgence of mpox.	<a href="https://www.medrxiv.org/content/10.1101/2023.01.31.23285294v1">https://www.medrxiv.org/content/10.1101/2023.01.31.23285294v1</a>	
31/01/2023	Nature Med	Research article	Real-world effectiveness of a single dose of mpox vaccine in males	The adjusted vaccine effectiveness was estimated at 86% (95% confidence interval, 59–95%). Our results suggest that a single dose of subcutaneous MVA-BN in the tested high-risk cohort is associated with a significantly lower risk of MPXV infection.	<a href="https://doi.org/10.1038/s41591-023-02229-3">https://doi.org/10.1038/s41591-023-02229-3</a>	
31/01/2023	Ann Intern Med	Research article	Planning for Mpox on a College Campus: A Model-Based Decision-Support Tool	A model to estimate the likelihood of an mpox outbreak and the potential effect of mitigation measures in a residential college setting.	<a href="https://doi.org/10.7326/M22-2734">https://doi.org/10.7326/M22-2734</a>	
31/01/2023	Clin Infect Dis	Report	Severe Mpox Infections in People with Uncontrolled Human Immunodeficiency Virus (HIV)	Description of three patients with uncontrolled HIV and mpox infections lasting months, causing debilitating lesions, complications, and death, despite initiating anti-mpox and antiretroviral therapy.	<a href="https://doi.org/10.1093/cid/ciad052">https://doi.org/10.1093/cid/ciad052</a>	
30/01/2023	Transpl Infect Dis	Correspondence	Progression of human monkeypox infection despite tecovirimat in an immunocompromised adult	We report a case of an immunocompromised man with monkeypox who experienced disease progression despite timely initiation of tecovirimat and ultimately required utilization of cidofovir and VIGIV for treatment. In immunocompromised patients, monkeypox might present with a more severe course of disease requiring consideration of alternative treatment strategies	<a href="https://doi.org/10.1111/tid.14022">https://doi.org/10.1111/tid.14022</a>	
27/01/2023	Sex Transm Infect	Case report	Case of apparent mpox reinfection	We present an apparent second episode of mpox (monkeypox) genital ulcerative disease in a non-immunosuppressed MSM (man who has sex with men) patient who had completely recovered from a primary mpox infection 4 months previously. The patient had also received a complete two-dose course of smallpox vaccination between the two presentations.	<a href="http://dx.doi.org/10.1136/sextrans-2022-055736">http://dx.doi.org/10.1136/sextrans-2022-055736</a>	
27/01/2023	J Med Virol	Review	Transmission of Mpox: A narrative review of environmental, viral, host and population factors in relation to the 2022 international outbreak	Emerging studies have now provided evidence regarding mpox transmission, that can inform rational evidence-based policies and reduce misinformation on this topic. We aimed to review the evidence on transmission of the virus.	<a href="https://doi.org/10.1002/jmv.28534">https://doi.org/10.1002/jmv.28534</a>	
27/01/2023	J Med Virol	Review	Molecular evolution of the human monkeypox virus	The common ancestor of the hMPXV belongs to the clade 1A with origin in the West African continent. Clade B.1 was responsible for the recent widespread worldwide. Immunization to prevent the spread of hMPXV is not yet available to the public, future studies should focus on the development of effective vaccines to contain the spread of this virus.	<a href="https://doi.org/10.1002/jmv.28533">https://doi.org/10.1002/jmv.28533</a>	
23/01/2023	Lancet Infect Dis	Grand round	Novel severe oculocutaneous manifestations of human monkeypox virus infection and their historical analogues	Report of novel and severe oculocutaneous manifestations of mpox in immunocompromised patients, which are both sight and life threatening. We propose an intradermal spread of the virus that occurs by a process clinically and immunologically analogous to progressive vaccinia.	<a href="https://doi.org/10.1016/S1473-3099(22)00869-6">https://doi.org/10.1016/S1473-3099(22)00869-6</a>	
22/01/2023	medRxiv	Research article	Clinical Testing of Pediatric Mpox Specimens: Unique Features and Challenges in a Low Prevalence Population	These results highlight important differences between pediatric and adult mpox populations and reinforce the need for clinical correlation when reporting positive results from a low prevalence population.	<a href="https://www.medrxiv.org/content/10.1101/2023.01.20.23284754v1">https://www.medrxiv.org/content/10.1101/2023.01.20.23284754v1</a>	
20/01/2023	Lancet Infect Dis	Correspondence	Randomised controlled trials for mpox in endemic countries	A response to the Personal View from David A Lindholm and Andre C Kalil that high-quality clinical trials are crucial to guide clinical decision making and to inform public health responses during emerging infectious disease outbreaks. This letter makes some additional observations regarding the clinical trial landscape for mpox	<a href="https://doi.org/10.1016/S1473-3099(23)00045-2">https://doi.org/10.1016/S1473-3099(23)00045-2</a>	

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20/01/2023	MMWR	Research article	Epidemiology of Human Mpox - Worldwide, 2018-2021	During 2018–2021, mpox cases were confirmed in six African countries. Eight primary and three secondary cases associated with travel to Nigeria were identified in four non-African countries. Online training courses on mpox prevention and control have been available since 2018.	<a href="https://doi.org/10.15585/mmwr.mm7203a4">https://doi.org/10.15585/mmwr.mm7203a4</a>	
19/01/2023	BMJ Case Rep	Case report	Auricular manifestation of Mpox (monkeypox)	Case report of a mpox infection with auricular manifestations.	<a href="https://doi.org/10.1136/bcr-2022-252931">https://doi.org/10.1136/bcr-2022-252931</a>	
18/01/2023	BMJ Case Rep	Case report	Monkeypox-associated proctitis and rectal wall perforation	Case report of rectal pain in HIV-positive man with confirmed monkeypox. MRI on day 5 of hospital admission revealed proctitis with localised perforation.	<a href="https://doi.org/10.1136/bcr-2022-252168">https://doi.org/10.1136/bcr-2022-252168</a>	
18/01/2023	NEJM	Letter	Use of Wastewater for Mpox Outbreak Surveillance in California	Real-time results informed the state and local public health response, allowing for escalation of the state response level when detection in multiple watersheds suggested that MPXV was widespread or unexpected.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2213882">https://www.nejm.org/doi/full/10.1056/NEJMc2213882</a>	
13/01/2023	Infection	Case report	Atypical monkeypox presentation in a previously vaccinated MSM HIV-positive adult	Pending the achievement of optimal vaccination coverage in at-risk groups, early identification and isolation of infectious patients represent the cornerstones of the containment strategy. Atypical cases of MPX manifestations are not uncommon, particularly in patients with HIV infection. A high level of suspicion should be maintained to identify infectious cases at an early stage and avoid further spread of the infection.	<a href="https://doi.org/10.1007/s15010-022-01967-9">https://doi.org/10.1007/s15010-022-01967-9</a>	
12/01/2023	Front Public Health	Review	Useful public health countermeasures to control the current multicountry outbreak of Monkeypox disease	This review aims to assess useful public health countermeasures to control the current multicountry outbreak of Monkeypox disease.	<a href="https://doi.org/10.3389/fpubh.2022.1060678">https://doi.org/10.3389/fpubh.2022.1060678</a>	
12/01/2023	Lancet Microbe	Correspondence	Persistence of monkeypox virus at oral and rectal sites	Our data indicate that a proportion of men who had resolution of mpox lesions and who would be cleared by public health authorities and advised their monkeypox virus infection is no longer contagious, might still be infectious from oral and anal sites. These data suggest that men who have clinically recovered from mpox should be advised to abstain from physical and sexual contact involving these sites for a longer period of time.	<a href="https://doi.org/10.1016/s2666-5247(22)00382-2">https://doi.org/10.1016/s2666-5247(22)00382-2</a>	
11/01/2023	Am J Transplant	Report	Demographic and Clinical Characteristics of Mpox in Persons Who Had Previously Received 1 Dose of JYNNEOS Vaccine and in Unvaccinated Persons - 29 U.S. Jurisdictions, May 22-September 3, 2022	Although 1 dose of JYNNEOS vaccine offers some protection from disease, mpox infection can occur after receipt of 1 dose, and the duration of protection conferred by 1 dose is unknown. Providers and public health officials should therefore encourage persons at risk for acquiring mpox to complete the 2-dose vaccination series and provide guidance and education regarding nonvaccine-related prevention strategies.	<a href="https://doi.org/10.1016/j.ajtl.2023.01.003">https://doi.org/10.1016/j.ajtl.2023.01.003</a>	
11/01/2023	J Am Acad Dermatol	Research article	A dermatologic assessment of 101 mpox (monkeypox) cases from 13 countries during the 2022 outbreak: skin lesion morphology, clinical course, and scarring	These findings highlight differences in skin findings compared to historical outbreaks, notably the presence of skin lesions prior to systemic symptoms and low overall lesion-counts. Scarring emerged as a major possible sequela.	<a href="https://doi.org/10.1016/j.jaad.2022.12.035">https://doi.org/10.1016/j.jaad.2022.12.035</a>	
09/01/2023	Sci Total Environ	Communication	Multiple traces of monkeypox detected in non-sewered wastewater with sparse sampling from a densely populated metropolitan area in Asia	Our study is the first to detect monkeypox viral DNA in wastewater from various locations within Thailand. Results suggest that this could be a complementary source for detecting viral DNA and predicting upcoming outbreaks.	<a href="https://doi.org/10.1016/j.scitotenv.2022.159816">https://doi.org/10.1016/j.scitotenv.2022.159816</a>	
08/01/2023	Lancet Regional Health Southeast Asia	Data	Global Monkeypox Policy Tracker - a digital platform for data visualisation and policy discourse	A Global Monkeypox Policy Tracker, hosted by Tableau Public was developed to visualise and track reported occurrences of MPX and policies adopted by G20 nations as the rest of the world would be influenced by the policies implemented by G20 nations for the prevention and control of MPX.	<a href="https://doi.org/10.1016/j.lansea.2022.100115">https://doi.org/10.1016/j.lansea.2022.100115</a>	
06/01/2023	medRxiv	Review	Novel Clinical Manifestations of Human Monkeypox Virus Infection and Current Therapeutic and Preventive Strategies: A Systematic Review	Here, in the present review, we discuss the clinical characteristics and treatment outcomes of the ongoing MPX outbreak of 2022 in nonendemic countries globally, from the published and grey literature in PubMed, Scopus and Google scholar.	<a href="https://doi.org/10.1101/2023.01.06.23284258">https://doi.org/10.1101/2023.01.06.23284258</a>	
06/01/2023	eClinicalMedicine	Review	Oral manifestation of the monkeypox virus: a systematic review and meta-analysis	Oral manifestations are common in patients with mpox, with variations in prevalence across the sites within the oral cavity, and geography of the studies. Healthcare workers should be wary of the oral signs and symptoms of mpox in endemic and high-risk areas.	<a href="https://doi.org/10.1016/j.eclinm.2022.101817">https://doi.org/10.1016/j.eclinm.2022.101817</a>	
06/01/2023	MMWR	Research article	Mpox Cases Among Cisgender Women and Pregnant Persons - United States, May 11-November 7, 2022	Among cisgender women with available data, 73% reported sexual activity or close intimate contact as the likely route of exposure, with mpox lesions most frequently reported on the legs, arms, and genitals. Twenty-three mpox cases were reported in persons who were pregnant or recently pregnant; all identified as cisgender women based on the mpox case report form. Four pregnant persons required hospitalization for mpox. Eleven pregnant persons received tecovirimat, and no adverse reactions were reported.	<a href="https://doi.org/10.15585/mmwr.mm7201a2">https://doi.org/10.15585/mmwr.mm7201a2</a>	
06/01/2023	bioRxiv	Research article	APOBEC3F is the main source of editing identified during the 2022 outbreak of human monkeypox virus	Here, among the 7 human APOBEC3 cytidine deaminases (A3A-A3C, A3DE, A3F-A3H), only APOBEC3F was capable of extensively deaminating cytidine residues in MPXV genomes. Hyperedited genomes were also recovered in ~42% of analyzed patients, indicating that editing is part of the natural cycle of MPXV infection. Moreover, we demonstrate that substantial repair of these mutations occurs. Upon selection, corrected G->A mutations escaping drift loss contribute to the MPXV evolution observed in the current epidemics.	<a href="https://doi.org/10.1101/2023.01.06.522979">https://doi.org/10.1101/2023.01.06.522979</a>	
05/01/2023	Ann Neurol	Review	Monkeypox-associated central nervous system disease: a case series and review	MPXV can be associated with CNS disease. It is unclear whether this is from a parainfectious immune-mediated injury or direct CNS viral invasion.	<a href="https://doi.org/10.1002/ana.26597">https://doi.org/10.1002/ana.26597</a>	
05/01/2023	Lancet Microbe	Comment	Screening for monkeypox virus infections in men who have sex with men in a sexual health clinic in Hanoi, Viet Nam	Monkeypox virus was not detected in rectal specimens from 152 GBMSM enrolled in an HIV PrEP programme in Hanoi, Viet Nam from July 1, 2022, to Aug 31, 2022. During the study period, diagnostic testing for mpox in Viet Nam was not widely available and data on the prevalence and incidence of infections were not available. Subsequently, the first case of mpox in Viet Nam was reported on Oct 3, 2022, in a woman aged 35 years who was admitted to hospital on Sept 22, 2022, after returning from Dubai, United Arab Emirates.	<a href="https://doi.org/10.1016/s2666-5247(22)00385-8">https://doi.org/10.1016/s2666-5247(22)00385-8</a>	

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04/01/2023	bioRxiv	Preprint	Different Coexisting Mpx Lineages Were Continuously Circulating in Humans Prior to 2022	18 genomes from patients across southern Nigeria in 2019/20 reveal multiple lineages of Monkeypox virus have achieved sustained human-to-human transmission, co-existing in humans for several years and accumulating mutations consistent with APOBEC3 activity suggesting the virus in humans is now segregated from its natural reservoir.	<a href="https://doi.org/10.1016/s2666-5247(22)00385-8">https://doi.org/10.1016/s2666-5247(22)00385-8</a>	
04/01/2023	J Clin Microbiol	Research article	Monkeypox Outbreak 2022: Clinical and Virological Features of 30 Patients at the Sexually Transmitted Diseases Centre of Sant' Orsola Hospital, Bologna, Northeastern Italy	Prolonged positivity in urine after the clinical recovery suggests a potential source of infection by contamination of wastewater and sewage and transmission to possible animal reservoirs and highlights the need for further investigations on nonskin samples to extend and more adequately standardize the patient isolation period.	<a href="https://doi.org/10.1128/jcm.01365-22">https://doi.org/10.1128/jcm.01365-22</a>	
03/01/2023	bioRxiv	Research article	Different Coexisting Mpx Lineages Were Continuously Circulating in Humans Prior to 2022	Here, 18 genomes from patients across southern Nigeria in 2019/20 reveal multiple lineages of Monkeypox virus have achieved sustained human-to-human transmission, co-existing in humans for several years and accumulating mutations consistent with APOBEC3 activity suggesting the virus in humans is now segregated from its natural reservoir. Remarkably, three genomes have disruptions in the A46R gene, which contributes to innate immune modulation.	<a href="https://doi.org/10.1101/2023.01.03.522633">https://doi.org/10.1101/2023.01.03.522633</a>	
03/01/2023	BMJ	Short report	Clinical characteristics of mpox infection in individuals who received a first dose of modified vaccinia Ankara immunisation	Although clinical presentation was similar to unvaccinated cohorts, we observed low numbers of mpox cases following a first dose of MVA-BN vaccination. Larger, multicentric studies are needed to further evaluate vaccination failure and immunity duration.	<a href="https://doi.org/10.1136/sextrans-2022-055698">https://doi.org/10.1136/sextrans-2022-055698</a>	
01/01/2023	J Infect Public Health	Research article	Human monkeypox and preparedness of Bangladesh: A knowledge and attitude assessment study among medical doctors	Knowledge regarding human monkeypox among medical doctors in Bangladesh was comparatively lower than the attitude towards its preventive measures. Developing and implementing practical sessions regarding the virus to enhance the knowledge and capacity of the medical doctors could be an effective strategy to get prepared for the monkeypox outbreak in Bangladesh.	<a href="https://doi.org/10.1016/j.jiph.2022.11.032">https://doi.org/10.1016/j.jiph.2022.11.032</a>	
01/01/2023	Int J Infect Dis	Research article	The clinical presentation of monkeypox: a retrospective case-control study of patients with possible or probable monkeypox in a West London cohort	These data can inform a risk-based approach to the management of suspected monkeypox in gay, bisexual, and other men who have sex with men populations. Lymphadenopathy at presentation and the location of the rash were more associated with a positive hMPXV result. Health authorities can consider a virtual ward approach in the hMPXV outbreak.	<a href="https://doi.org/10.1016/j.ijid.2022.11.020">https://doi.org/10.1016/j.ijid.2022.11.020</a>	
01/01/2023	Allergy	Review	A compilation answering 50 questions on Monkeypox virus and the current Monkeypox outbreak	In this review, 50 questions regarding monkeypox virus (MPXV) and the current MPX outbreak were answered in order to provide the most updated scientific information and to explore the potential causes and consequences of this new health threat.	<a href="https://doi.org/10.1111/all.15633">https://doi.org/10.1111/all.15633</a>	
30/12/2022	MMWR	Research article	Demographic and Clinical Characteristics of Mpx in Persons Who Had Previously Received 1 Dose of JYNNEOS Vaccine and in Unvaccinated Persons — 29 U.S. Jurisdictions, May 22–September 3, 2022	Evidence suggests that 1 dose of JYNNEOS vaccine offers some protection against monkeypox (mpox).	<a href="http://dx.doi.org/10.15585/mmwr.mm715152a2">http://dx.doi.org/10.15585/mmwr.mm715152a2</a>	
30/12/2022	MMWR	Research article	Notes from the Field: Clinical and Epidemiologic Characteristics of Mpx Cases from the Initial Phase of the Outbreak — New York City, May 19–July 15, 2022	These findings can guide development of public health messaging to communities with increased likelihood of exposure to mpox; in addition to avoiding close personal contact with someone with mpox and recommendations for eligible persons to receive mpox vaccine, the clinical manifestations described in this report can guide providers managing patients with mpox. Further studies are needed to assess the potential utility of anorectal swabs in early diagnosis of mpox.	<a href="http://dx.doi.org/10.15585/mmwr.mm715152a3">http://dx.doi.org/10.15585/mmwr.mm715152a3</a>	
29/12/2022	bioRxiv	Research article	Repurposing of the antibiotic nitroxoline for the treatment of mpox	Nitroxoline remained effective against the tecovirimat-resistant strain and increased the anti-mpox virus activity of tecovirimat and brincidofovir. Moreover, nitroxoline inhibited bacterial and viral pathogens that are often co-transmitted with mpox. In conclusion, nitroxoline is a repurposing candidate for the treatment of mpox due to both antiviral and antimicrobial activity.	<a href="https://doi.org/10.1101/2022.12.29.522228">https://doi.org/10.1101/2022.12.29.522228</a>	
28/12/2022	Viruses	Research article	Development of a Novel Loop-Mediated Isothermal Amplification Method for the Rapid Detection of Monkeypox Virus Infections	Development of a loop-mediated isothermal amplification (LAMP) assay for the specific detection of mpox.	<a href="https://doi.org/10.3390/v15010084">https://doi.org/10.3390/v15010084</a>	
28/12/2022	NEJM	Letter	Drug Sensitivity of Currently Circulating Mpx Viruses	Our data indicate that the currently circulating MPXVs are likely to remain sensitive to the available antiviral drugs.	<a href="https://doi.org/10.1056/nejmc2212136">https://doi.org/10.1056/nejmc2212136</a>	
28/12/2022	J Infect	Research article	Air detection of monkeypox virus in a dedicated outpatient clinic room for monkeypox infection diagnosis	This investigation reports the presence of MPXV DNA in air samples collected in a room dedicated to monkeypox-infected patients' examination and testing. Thus, we highlight the importance of personal protective equipment worn by consulting patients and healthcare workers and surface decontamination to avoid infection transmission.	<a href="https://doi.org/10.1016/j.jinf.2022.12.025">https://doi.org/10.1016/j.jinf.2022.12.025</a>	
27/12/2022	Lancet Preprints	Preprint	Clinical Features and Management of Individuals Hospitalised with Monkeypox and Associated Complications in the UK: A Retrospective Analysis Across 16 Hospitals	Description of the clinical and laboratory characteristics and outcomes of 156 individuals hospitalised with monkeypox and associated complications, including tecovirimat recipients.	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4276629">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4276629</a>	
27/12/2022	Int J Biol Macromol	Research article	Identification of probable inhibitors for the DNA polymerase of Monkeypox virus through the virtual screening approach	The delineation of DPoI/inhibitor interactions showed that majority active site residues ASP549, ASP753, TYR550, ASN551, SER552, and ASN665 interact with the inhibitors. These compounds exhibit good Absorption, Distribution, Metabolism and Excretion (ADME) properties.	<a href="https://doi.org/10.1016/j.ijbiomac.2022.12.252">https://doi.org/10.1016/j.ijbiomac.2022.12.252</a>	
26/12/2022	medRxiv	Preprint	Analogous humoral antigen recognition between Monkeypox-infected and Smallpox-vaccinated individuals	Both MPXV-infected or Smallpox-vaccinated individuals mount antibodies able to bind a diverse but core set of poxvirus antigens, with implications for future vaccine and therapeutic targets.	<a href="https://doi.org/10.1101/2022.12.22.22283648">https://doi.org/10.1101/2022.12.22.22283648</a>	

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26/12/2022	J Am Acad Dermatol	Research article	Clinical, histopathologic, immunohistochemical and electron microscopic findings in cutaneous monkeypox: A multicenter retrospective case series in Spain	Epidermal necrosis and keratinocytic ballooning are the most constant histopathologic findings. Immunohistochemical positivity for Vaccinia virus was mostly detected in the cytoplasm of the ballooned keratinocytes. These findings support the usefulness of histopathologic and immunohistochemical studies of cutaneous lesions for diagnosis of monkeypox.	<a href="https://doi.org/10.1016/j.jaad.2022.12.027">https://doi.org/10.1016/j.jaad.2022.12.027</a>
26/12/2022	Clin Infect Dis	Research article	The use of vaccinia immune globulin in the treatment of severe mpox virus infection in HIV/AIDS	We report a case of progressive, severe mpox virus (MPXV) infection in a patient with acquired immune deficiency syndrome (AIDS) despite a standard course of tecovirimat. He significantly improved after administration of intravenous vaccinia immune globulin (VIGIV) highlighting its use as an adjunct for severe disease in immunocompromised hosts.	<a href="https://doi.org/10.1093/cid/ciac971">https://doi.org/10.1093/cid/ciac971</a>
22/12/2022	Lancet infect Dis	Research article	Clinical features and management of individuals admitted to hospital with monkeypox and associated complications across the UK: a retrospective cohort study	Although life-threatening mpox appears rare in hospitalised populations during the current outbreak, severe mpox and associated complications can occur in immunocompetent individuals. Analgesia and management of superimposed bacterial infection are priorities for patients admitted to hospital.	<a href="https://doi.org/10.1016/s1473-3099(22)00806-4">https://doi.org/10.1016/s1473-3099(22)00806-4</a>
20/12/2022	Lancet Microbe	Letter	People with asymptomatic or unrecognised infection potentially contribute to monkeypox virus transmission	Asymptomatic infection can substantially contribute to the transmission chain and should be clearly addressed in public health policy to contain monkeypox virus transmission. We emphasise the need to further investigate possible role of asymptomatic or unrecognised infections in transmission chains of monkeypox virus, even in unusual routes.	<a href="https://doi.org/10.1016/s2666-5247(22)00379-2">https://doi.org/10.1016/s2666-5247(22)00379-2</a>
20/12/2022	medRxiv	Research article	Data-driven estimation of the instantaneous reproduction number and growth rates for the 2022 monkeypox outbreak in Europe	Our findings suggest that the current monkeypox outbreaks present limited transmission chains of human-to-human secondary infection so the possibility of a huge pandemic is very low.	<a href="https://doi.org/10.1101/2022.12.20.22283714">https://doi.org/10.1101/2022.12.20.22283714</a>
19/12/2022	bioRxiv	Research article	A monkeypox mRNA-lipid nanoparticle vaccine targeting virus binding, entry, and transmission drives protection against lethal orthopoxviral challenge	First pre-clinical data of Moderna's RNA vaccine against mpox. These data reveal robust protection against VACV using an mRNA-based vaccine targeting four highly conserved viral surface antigens, linked to the induction of highly functional antibodies able to rapidly control viral infection.	<a href="https://www.biorxiv.org/content/10.1101/2022.12.17.520886v1">https://www.biorxiv.org/content/10.1101/2022.12.17.520886v1</a>
15/12/2022	Eurosurveillance	Research article	Outcomes of post-exposure vaccination by modified vaccinia Ankara to prevent mpox (formerly monkeypox): a retrospective observational study in Lyon, France, June to August 2022	The present analysis focusses on outcomes of at-risk contacts of mpox cases vaccinated with a single MVA-BN dose given post-exposure. The study provides data on breakthrough mpox and investigates factors limiting the PEPV strategy.	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.50.2200882">https://doi.org/10.2807/1560-7917.ES.2022.27.50.2200882</a>
15/12/2022	Science	Research article	Structure of monkeypox virus DNA polymerase holoenzyme	This study determines the holoenzyme structure in complex with DNA using cryo-electron microscopy at the global resolution of ~2.8 Å	<a href="https://doi.org/10.1126/science.ade6360">https://doi.org/10.1126/science.ade6360</a>
15/12/2022	Int J Infect Dis	Research article	Overlooked monkeypox cases among men having sex with men during the 2022 outbreak - a retrospective study	MPX may still be commonly overlooked, especially in patients presenting with fever and sore throat or solitary ulcer as sole manifestations.	<a href="https://doi.org/10.1016/j.ijid.2022.12.014">https://doi.org/10.1016/j.ijid.2022.12.014</a>
14/12/2022	medRxiv	Research article	Effectiveness of one dose of MVA-BN smallpox vaccine against monkeypox in England using the case-coverage method	The estimated vaccine effectiveness ≥14 days after a single dose was 78% (95% CI: 54%-89%), with a range of ±7% in sensitivity analyses. Vaccine effectiveness within 0–13-days after vaccination was -4% (95% CI: -50% to 29%).	<a href="https://www.medrxiv.org/content/10.1101/2022.12.13.22282654v1">https://www.medrxiv.org/content/10.1101/2022.12.13.22282654v1</a>
14/12/2022	NEJM	Letter	MPXV Transmission at a Tattoo Parlor	From July 6 to 19, 2022, 21 of 58 customers (36%) at the tattoo parlor became infected with MPXV that was likely to have been transmitted by means of piercing or tattooing in Cadiz, Spain.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2210823">https://www.nejm.org/doi/full/10.1056/NEJMc2210823</a>
13/12/2022	Lancet Regional Health Americas	Research article	Ambulatory and hospitalized patients with suspected and confirmed mpox: An observational cohort study from Brazil	Mpox transmission in Rio de Janeiro, Brazil, rapidly evolved into a local epidemic, with sexual contact playing a crucial role in its dynamics and high rates of coinfections with other STI. Preventive measures must address stigma and social vulnerabilities.	<a href="https://doi.org/10.1016/j.lana.2022.100406">https://doi.org/10.1016/j.lana.2022.100406</a>
13/12/2022	Ann Intern Med	Research article	Monkeypox in Montréal: Epidemiology, Phylogenomics, and Public Health Response to a Large North American Outbreak	A large outbreak of monkeypox occurred in Montréal, primarily among MSM. Successful control of the outbreak rested on early and sustained engagement with the affected communities and rapid offer of PrEP vaccination to at-risk persons.	<a href="https://doi.org/10.7326/m22-2699">https://doi.org/10.7326/m22-2699</a>
12/12/2022	bioRxiv	Research article	Exploring B and T-cell epitopes for constructing a Novel Multipitope vaccine to combat emerging Monkeypox infection: A Reverse Vaccinology approach	The conducted in silico study concludes that the surface protein of monkeypox virus is one of the major culprit antigens in mediating the disease. Hence, our study will aid in the better formulation of vaccines in future by targeting the suitable drug or vaccine candidates.	<a href="https://www.biorxiv.org/content/10.1101/2022.12.09.519581v1">https://www.biorxiv.org/content/10.1101/2022.12.09.519581v1</a>
12/12/2022	Lancet infect Dis	Research article	Viral dynamics in patients with monkeypox infection: a prospective cohort study in Spain	In immunocompetent patients with mild monkeypox disease, PCR data alone would suggest a contact isolation period of 3 to 6 weeks but, based on detection of replication-competent virus, this time could be reduced.	<a href="https://doi.org/10.1016/S1473-3099(22)00794-0">https://doi.org/10.1016/S1473-3099(22)00794-0</a>
12/12/2022	J Infect	Letter	Role of multi-site sampling in the diagnosis of human Monkeypox	These data support on a large scale the importance of collecting and testing samples from different anatomical sites, including oropharynx and anus, in combination with LS in highly suspected patients.	<a href="https://doi.org/10.1016/j.jinf.2022.12.010">https://doi.org/10.1016/j.jinf.2022.12.010</a>
12/12/2022	BMC Infect Dis	Review	Human monkeypox: a comparison of the characteristics of the new epidemic to the endemic disease	The epidemiology and clinical course of mpox has changed in the 2022 epidemic from that observed with the endemic disease. There is an urgent need to establish rapid and collaborative research platforms to diagnose, treat and prevent disease and inform important public health and other strategies to stop the spread of disease.	<a href="https://doi.org/10.1186/s12879-022-07900-7">https://doi.org/10.1186/s12879-022-07900-7</a>
10/12/2022	J Travel Med	Research article	Estimating the size of the monkeypox virus outbreak in Nigeria and implications for global control	Our findings suggest that a larger outbreak than is appreciated may be ongoing in Nigeria. The observed international spread of MPXV offers important insights into the scale of the epidemic at its origin, where clinical detection and disease surveillance may be limited. These findings highlight the need to expand and support clinical, laboratory, and public health capacity to enable earlier detection of epidemics of international significance.	<a href="https://doi.org/10.1093/jtm/taac149">https://doi.org/10.1093/jtm/taac149</a>
10/12/2022	medRxiv	Research article	The Changing Global Epidemiology of Re-emerging Human Monkeypox Virus Infection: A Systematic Review	Recent global outbreaks, the rising incidence in young adults and endemic zones might result from smallpox vaccine cessation. Increased risk with sick animal exposure or sleeping on the floor suggests high infectivity from animal excretions. Increasing awareness, strict surveillance, and contact tracing can contain global outbreaks. Ring vaccination approach to exposed people can also be a strategy. Future studies should investigate to determine measures for rapid laboratory diagnosis, maintaining lab safety, and also transmissibility.	<a href="https://doi.org/10.1101/2022.12.09.22283261">https://doi.org/10.1101/2022.12.09.22283261</a>

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09/12/2022	BioRxiv	Research article	Exploring B and T-cell epitopes for constructing a Novel Multiepitope vaccine to combat emerging Monkeypox infection: A Reverse Vaccinology approach	The conducted in silico study concludes that the surface protein of monkeypox virus is one of the major culprit antigens in mediating the disease. Hence, our study will aid in the better formulation of vaccines in future by targeting the suitable drug or vaccine candidates.	<a href="https://doi.org/10.1101/2022.12.09.519581">https://doi.org/10.1101/2022.12.09.519581</a>	
09/12/2022	Lancet Microbe	Correspondence	Mpox screening in high-risk populations finds no asymptomatic cases	Screening for mpox among individuals at high-risk, diagnosed 12 cases that did not fulfil the preliminary mpox case definition, of whom three individuals were presymptomatic and one individual only had prodromal symptoms. Our findings underscore the accuracy of the updated mpox case definition and suggest that the prevalence of asymptomatic mpox cases should not be overestimated, as we found no asymptomatic mpox cases.	<a href="https://doi.org/10.1016/s2666-5247(22)00357-3">https://doi.org/10.1016/s2666-5247(22)00357-3</a>	
09/12/2022	Clin Microbiol Infect	Research article	Myocarditis in monkeypox-infected patients: a case series	These cases suggest an association between monkeypox infections and cardiac inflammatory complications. The development of chest pain in an infected patient should not be underestimated and should lead to prompt investigations for myocarditis. Monkeypox infection should also be included in the differential diagnosis of myocarditis, particularly in at-risk patients such as MSM with multiple partners in whom complete examination for skin or mucosal lesions should thus be performed.	<a href="https://doi.org/10.1016/j.cmi.2022.12.001">https://doi.org/10.1016/j.cmi.2022.12.001</a>	
09/12/2022	MMWR	Research article	Reduced Risk for Mpox After Receipt of 1 or 2 Doses of JYNNEOS Vaccine Compared with Risk Among Unvaccinated Persons - 43 U.S. Jurisdictions, July 31-October 1, 2022	Among JYNNEOS vaccine-eligible men aged 18–49 years in 43 U.S. jurisdictions, mpox incidence among unvaccinated persons was 9.6 times as high as that among persons who had received 2 vaccine doses and 7.4 times as high as that among persons who had received only the first dose. Preliminary evidence indicates no difference in protection between subcutaneous and intradermal administration routes.	<a href="https://doi.org/10.15585/mmwr.mm7149a5">https://doi.org/10.15585/mmwr.mm7149a5</a>	
09/12/2022	MMWR	Research article	Safety Monitoring of JYNNEOS Vaccine During the 2022 Mpox Outbreak - United States, May 22-October 21, 2022	JYNNEOS vaccine safety profile was consistent with prelicensure studies. The most common adverse health events reported were nonserious and included injection site reactions.	<a href="https://doi.org/10.15585/mmwr.mm7149a4">https://doi.org/10.15585/mmwr.mm7149a4</a>	
09/12/2022	medRxiv	Research article	Mpox knowledge, attitudes, beliefs, and intended behaviour in the general population and men who are gay, bisexual, and who have sex with men	GBMSM were more likely to intend to enact protective behaviours, except for self-isolation. This may reflect targeted public health efforts and engagement with this group.	<a href="https://www.medrxiv.org/content/10.1101/2022.12.07.22283201v1">https://www.medrxiv.org/content/10.1101/2022.12.07.22283201v1</a>	
08/12/2022	Clin Microbiol Infect	Research article	Myocarditis in monkeypox-infected patients: a case series	This is a descriptive case series reporting three cases of myocarditis that occurred in monkeypox-infected patients in France in 2022.	<a href="https://doi.org/10.1016/j.cmi.2022.12.001">https://doi.org/10.1016/j.cmi.2022.12.001</a>	
08/12/2022	J Med Virol	Research article	CRISPR-Cas12-based field-deployable system for rapid detection of synthetic DNA sequence of the monkeypox virus genome	Herein, we demonstrated a portable CRISPR-Cas-based system for naked-eye detection of MPXV.	<a href="https://doi.org/10.1002/jmv.28385">https://doi.org/10.1002/jmv.28385</a>	
07/12/2022	NEJM	Letter	Breakthrough Infections after Postexposure Vaccination against Mpox	In this single-center observational analysis on 276 participants who had received a third-generation smallpox vaccine (JYNNEOS [Imvanex]) at a subcutaneous 0.5-ml dose after a high-risk mpox exposure, 4% of participants had a subsequent mpox infection during the first month after receipt of the first vaccination.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2211944">https://www.nejm.org/doi/full/10.1056/NEJMc2211944</a>	
07/12/2022	medRxiv	Research article	Identifying the most probable mammal reservoir hosts for Monkeypox virus based on ecological niche comparisons	The MPXV niche covers three African rainforests, the Congo Basin and Upper and Lower Guinean forests. The four mammal species showing the best niche overlap with MPXV are all arboreal rodents, including three squirrels. The most probable MPXV reservoir is <i>F. anerythus</i> .	<a href="https://www.biorxiv.org/content/10.1101/2022.12.06.519416v1">https://www.biorxiv.org/content/10.1101/2022.12.06.519416v1</a>	
07/12/2022	Emerg Infect Dis.	Research article	Detection of Monkeypox Virus DNA in Airport Wastewater, Rome, Italy	We detected monkeypox virus DNA in wastewater from Italy's largest airport by using real-time PCR assays targeting the G2R region and F3L and N3R genes and sequencing.	<a href="https://doi.org/10.3201/eid2901.221311">https://doi.org/10.3201/eid2901.221311</a>	
06/12/2022	Travel Med Infect Dis		Incidence, geographic distribution, clinical characteristics, and socioeconomic and demographic determinants of monkeypox in Brazil: A nationwide population-based ecological study	This is the first study to describe the incidence rates, geographic distribution, and clinical characteristics of monkeypox in Brazil.	<a href="https://doi.org/10.1016/j.tmaid.2022.102517">https://doi.org/10.1016/j.tmaid.2022.102517</a>	
06/12/2022	Paediatrics	Research article	Mpox in Children and Adolescents: Epidemiology, Clinical Features, Diagnosis, and Management	In this review, we summarize the epidemiology and clinical features of mpox in children and adolescents and provide recommendations for clinicians regarding its diagnosis, management, and prevention.	<a href="https://doi.org/10.1542/peds.2022-060179">https://doi.org/10.1542/peds.2022-060179</a>	
06/12/2022	Ann Intern Med	Research article	In monkeypox, risk for some symptoms was greater in MSM with vs. without receptive anal contact	In our cohort, monkeypox caused genital, perianal, and oral lesions and complications including proctitis and tonsillitis. Because of the variability of presentations, clinicians should have a low threshold for suspicion of monkeypox. Lesion swabs showed the highest viral loads, which, combined with the history of sexual exposure and the distribution of lesions, suggests close contact is probably the dominant transmission route in the current outbreak.	<a href="https://doi.org/10.7326/J22-0092">https://doi.org/10.7326/J22-0092</a>	
05/12/2022	J Infect.	Letter	Breakthrough Monkeypox Infection among Individuals Previously Immunized with Smallpox or Monkeypox Vaccination	This case-series reinforces the idea that individuals previously vaccinated against smallpox require a booster dose and the need for administration of a full two-doses monkeypox vaccination for unimmunized individuals	<a href="https://doi.org/10.1016/j.jinf.2022.12.001">https://doi.org/10.1016/j.jinf.2022.12.001</a>	
03/12/2022	medRxiv	Research article	Time scales of human monkeypox transmission in the Netherlands	After reviewing detailed exposure histories, we identified 34 pairs where the infectee reported a single potential infector. The mean serial interval for those 34 pairs was 10.1 days (95% CI: 6.6–14.7 days), suggesting a reproduction number between 1.3 and 1.6 during June 2022 in the Netherlands. These findings emphasize that precaution will remain key, regardless of the presence of recognizable symptoms, to anticipate possible resurgence of monkeypox.	<a href="https://doi.org/10.1101/2022.12.03.22283056">https://doi.org/10.1101/2022.12.03.22283056</a>	
03/12/2022	Lancet	Comment	Monkeypox virus infection in women and non-binary people: uncommon or neglected?	Although epidemiological data and various studies have shown that the disease occurs primarily in men, monkeypox can also affect other groups, including children, older populations, and women.	<a href="https://doi.org/10.1016/S0140-6736(22)02396-0">https://doi.org/10.1016/S0140-6736(22)02396-0</a>	
02/12/2022	Lancet infect Dis	Report	Monkeypox encephalitis with transverse myelitis in a female patient	We describe neurological complications associated with orthopoxvirus infections and laboratory diagnosis, the radiological features in this case, and discuss treatment options.	<a href="https://doi.org/10.1016/s1473-3099(22)00741-1">https://doi.org/10.1016/s1473-3099(22)00741-1</a>	

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02/12/2022	Int J Infect Dis	Review	The Use of Antivirals in the Treatment of Human Monkeypox Outbreaks: A Systematic Review	Tecovirimat is the most used and has proven beneficial in several aggravating cases. No major safety concerns were detected upon its use. Topical trifluridine was used as an adjuvant treatment option along with Tecovirimat. BCV and CDV were seldom used, with the latter often being used due to the unavailability of Tecovirimat. BCV was associated with treatment discontinuation due to adverse events.	<a href="https://doi.org/10.1016/j.ijid.2022.11.040">https://doi.org/10.1016/j.ijid.2022.11.040</a>	
01/12/2022	Eurosurveillance	Rapid communication	Severe mpox (formerly monkeypox) disease in five patients after recent vaccination with MVA-BN vaccine, Belgium, July to October 2022	We describe five Belgian patients with localised severe symptoms of proctitis and penile oedema, occurring between 4 and 35 days after post-exposure preventive vaccination or after one- or two-dose off-label pre-exposure preventive vaccination with MVA-BN vaccine. Genome sequencing did not reveal evidence for immune escape variants. Healthcare workers and those at risk should be aware of possible infections occurring shortly after vaccination and the need for other preventive measures.	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.48.2200894">https://doi.org/10.2807/1560-7917.ES.2022.27.48.2200894</a>	
01/12/2022	Eurosurveillance	Rapid communication	Mpox (formerly monkeypox) in women: epidemiological features and clinical characteristics of mpox cases in Spain, April to November 2022	Over 79,000 confirmed cases of mpox were notified worldwide between May and November 2022, most of them in men who have sex with men. Cases in women, for whom mpox might pose different risks, are rare, and Spain has reported more than one third of those in Europe. Using surveillance data, our study found similar time trends, but differences in delay of diagnosis, sexual transmission and signs and symptoms between men and women.	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.48.2200867">https://doi.org/10.2807/1560-7917.ES.2022.27.48.2200867</a>	
01/12/2022	Eurosurveillance	Rapid communication	Results of an interventional HIV testing programme in the context of a mpox (formerly monkeypox) vaccination campaign in Latium Region, Italy, August to October 2022	Because, currently, mpox transmission is mainly occurring in defined interconnected sexual networks involving men who have sex with men (MSM), and risk behaviours for mpox overlap with those for sexually transmitted infections (STIs), most notably HIV, mpox vaccination campaigns present a potential opportunity to test for HIV and promote pre-exposure prophylaxis (PrEP).	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.48.2200890">https://doi.org/10.2807/1560-7917.ES.2022.27.48.2200890</a>	
01/12/2022	medRxiv	Research article	Monkeypox knowledge, concern, willingness to change behaviour, and seek vaccination: Results of a national cross-sectional survey	The most acceptable behavioural changes were reducing or avoiding attendance at sex parties (1494; 65.87%) and sex-on-premises venues (1503; 66.40%), and having fewer sexual partners (1466; 64.64%). Most unvaccinated and undiagnosed participants were willing to be vaccinated (1457/1733; 84.07%).	<a href="https://doi.org/10.1101/2022.12.01.22282999">https://doi.org/10.1101/2022.12.01.22282999</a>	
01/12/2022	bioRxiv	Research article	Virulence Differences of Monkeypox Virus Clades 1, 2a and 2b.1 in a Small Animal Model	A major roadblock is the need for a small animal model that can be studied under the stringent safety conditions required. Here we demonstrate that the three clades exhibit highly significant differences in CAST/EiJ mice in the order clade 1 > clade 2a > clade 2b, similar to the severity of clinical disease.	<a href="https://doi.org/10.1101/2022.12.01.518711">https://doi.org/10.1101/2022.12.01.518711</a>	
30/11/2022	NEJM	Letter	Tecovirimat for Monkeypox in Central African Republic under Expanded Access	Data collected through this study have increased our knowledge of the use of tecovirimat in a country in which clade I MPXV is endemic and 106 confirmed cases were recorded between 2010 and September 2022, with 11 deaths.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2210015">https://www.nejm.org/doi/full/10.1056/NEJMc2210015</a>	
29/11/2022	J Clin Microbiol	Research article	Identification of Human Monkeypox Virus Genome Deletions That Impact Diagnostic Assays	This article discusses the main genome deletions in mpox that affect the efficacy of diagnostic assays.	<a href="https://doi.org/10.1128/jcm.01655-22">https://doi.org/10.1128/jcm.01655-22</a>	
29/11/2022	Rev Med Virol	Review	Risk profile and mode of transmission of monkeypox: A rapid review and individual patient data meta-analysis of case studies	These results help to understand the major infection pathways and mortality risk profiles of monkeypox and underscores the importance of preventing outbreaks in specific settings, especially in settings densely populated by children, such as day care centres and schools.	<a href="https://doi.org/10.1002/rmv.2410">https://doi.org/10.1002/rmv.2410</a>	
29/11/2022	Vaccine	Research article	A randomized phase 3 trial to assess the immunogenicity and safety of 3 consecutively produced lots of freeze-dried MVA-BN® vaccine in healthy adults	In conclusion, the data demonstrate consistent and robust immunogenicity and safety results with a freeze-dried formulation of MVA-BN.	<a href="https://doi.org/10.1016/j.vaccine.2022.10.056">https://doi.org/10.1016/j.vaccine.2022.10.056</a>	
29/11/2022	bioRxiv	Research article	Polyvalent mRNA vaccination elicited potent immune response to monkeypox surface antigens	We generate a polyvalent lipid nanoparticle (LNP) mRNA vaccine candidate for monkeypox virus (MPXV) and evaluate its immunogenicity in animal models.	<a href="https://doi.org/10.1101/2022.11.29.518427">https://doi.org/10.1101/2022.11.29.518427</a>	
28/11/2022	Lancet Infect Dis	Research article	The global landscape of smallpox vaccination history and implications for current and future orthopoxvirus susceptibility: a modelling study	We found substantial global spatial heterogeneity in the landscape of smallpox vaccination, with vaccination coverage estimated to range from 7% to 60% within admin-1 regions (ie, regions one administrative level below country) globally, with negligible uncertainty (99.6% of regions have an SD less than 5%). We identified that geographical variation in vaccination coverage was driven mostly by differences in subnational demography. Additionally, we found that susceptibility for orthopoxviruses was highly age specific based on age at cessation and age-specific coverage; however, the age profile was consistent across vaccine effectiveness values.	<a href="https://doi.org/10.1016/s1473-3099(22)00664-8">https://doi.org/10.1016/s1473-3099(22)00664-8</a>	
28/11/2022	J Am Acad Dermatol	Research article	Human monkeypox outbreak: epidemiological data and therapeutic potential of topical cidofovir in a prospective cohort study	Topical cidofovir is a potentially relevant therapy in patients with skin lesions but mild systemic involvement. Reducing time to resolution could shorten isolation time and improve the cosmetic impact in areas such as the face.	<a href="https://doi.org/10.1016/j.jaad.2022.10.043">https://doi.org/10.1016/j.jaad.2022.10.043</a>	
28/11/2022	medRxiv	Research article	Expanded Access Programme for the use of tecovirimat for the treatment of monkeypox infection: a study protocol for an Expanded Access Programme	The data generated under this protocol aims to describe the use of tecovirimat for Clade I disease in a monkeypox endemic region of Central Africa. The EAP also aims to bolster research capacity in the region in order for robust randomised controlled trials to take place for monkeypox and other diseases.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.28.22282846v1">https://www.medrxiv.org/content/10.1101/2022.11.28.22282846v1</a>	
28/11/2022	J Travel Med	Editorial	Response to the multi-country monkeypox outbreak: a view from Africa	Human monkeypox was first reported in Africa in 1970. However, the disease has only entered notoriety since the current PHEIC. At present there is a significant inequality in access to diagnostics, vaccinations and therapeutics, for which African nations are being completely left behind.	<a href="https://doi.org/10.1093/jtm/taac138">https://doi.org/10.1093/jtm/taac138</a>	
27/11/2022	medRxiv	Research article	Pre- and asymptomatic viral shedding in high-risk contacts of monkeypox cases: a prospective cohort study	These findings emphasize the high risk of MPXV transmission during sexual contact and confirm the existence of presymptomatic viral shedding of MPXV.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.23.22282505v1">https://www.medrxiv.org/content/10.1101/2022.11.23.22282505v1</a>	
24/11/2022	Lancet Microbe	Research article	Monitoring monkeypox virus in saliva and air samples in Spain: a cross-sectional study	The identification of high viable monkeypox virus loads in saliva in most patients with monkeypox and the finding of monkeypox virus DNA in droplets and aerosols warrants further epidemiological studies to evaluate the potential relevance of the respiratory route of infection in the 2022 monkeypox virus outbreak.	<a href="https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(22)00291-9/fulltext">https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(22)00291-9/fulltext</a>	

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23/11/2022	bioRxiv	Research article	Monkeypox virus quadrivalent mRNA vaccine induces antibody responses and cellular immunity and protects mice against Vaccinia virus	we have developed two MPXV quadrivalent mRNA vaccines, named mRNA-A-LNP and mRNA-B-LNP, based on two IMVs (A29L and M1R) and two EEVs (A35R and B6R).	<a href="https://doi.org/10.1101/2022.11.22.517500">https://doi.org/10.1101/2022.11.22.517500</a>
23/11/2022	BMJ	Comment	Monkeypox: Single dose of smallpox vaccine offers 78% protection, UKHSA reports	A comment on the UKHSA preprint on effectiveness of a single dose of vaccine	<a href="https://doi.org/10.1136/bmj.o2829">https://doi.org/10.1136/bmj.o2829</a>
22/11/2022	Lancet Regional Health	Data	Global Monkeypox Policy Tracker - A digital platform for data visualisation and policy discourse	A Global Monkeypox Policy Tracker, hosted by Tableau Public was developed to visualise and track reported occurrences of MPX and policies adopted by G20 nations as the rest of the world would be influenced by the policies implemented by G20 nations for the prevention and control of MPX.	<a href="https://doi.org/10.1016/j.lansea.2022.100115">https://doi.org/10.1016/j.lansea.2022.100115</a>
21/11/2022	Khub	Preprint	Effectiveness of one dose of MVA-BN smallpox vaccine against monkeypox in England using the case-coverage method	The estimated vaccine effectiveness $\geq 14$ days after a single dose was 78% (95% CI: 54%-89%), with a range of $\pm 7\%$ in sensitivity analyses.	<a href="https://khub.net/documents/135939561/673678774/Monkeypox+VE_vf_20221121_preprint+SR.docx/4ef85866-342f-475a-1d2e-0b2c5d3ae8b9?">https://khub.net/documents/135939561/673678774/Monkeypox+VE_vf_20221121_preprint+SR.docx/4ef85866-342f-475a-1d2e-0b2c5d3ae8b9?</a>
21/11/2022	J Clin Microbiol	Research article	Clinical Performance and Trends during the First Two Months of Monkeypox Virus PCR Testing at Two United States Reference Labs	These results provide an early snapshot of testing in the United States during the monkeypox virus outbreak and support restricting the number of swabs collected per individual. There was a significant difference in Ct values between laboratories (ARUP 23.9 versus UW 25.4) and collection method (22.8 for dry swab versus 24.4 for VTM).	<a href="https://pubmed.ncbi.nlm.nih.gov/36409134/">https://pubmed.ncbi.nlm.nih.gov/36409134/</a>
21/11/2022	J Infect Dis	Research article	Single and 2-dose vaccinations with modified vaccinia Ankara-Bavarian Nordic® induce durable B cell memory responses comparable to replicating smallpox vaccines	Anamnestic responses without sustained high nAb titers support presence of durable immunological memory following MVA-BN immunization.	<a href="https://doi.org/10.1093/infdis/jiac455">https://doi.org/10.1093/infdis/jiac455</a>
21/11/2022	Trop Med Health	Research report	Health system preparedness in infectious diseases: perspective of Malaysia, a middle-income country, in the face of monkeypox outbreaks	The current disease preparedness and response framework and guidelines in Malaysia have established a health system that is proactive and responsive to any potential infectious disease outbreaks. Despite this, the future remains unpredictable, and ongoing fortification is required as events unfold.	<a href="https://doi.org/10.1186/s41182-022-00479-4">https://doi.org/10.1186/s41182-022-00479-4</a>
20/11/2022	medRxiv	Research article	Human Monkeypox Virus outbreak among Men who have Sex with Men in Amsterdam and Rotterdam, the Netherlands: no evidence for undetected transmission prior to May 2022 in a retrospective study	No evidence of widespread hMPXV transmission in Dutch sexual networks of MSM was found prior to May 2022. Likely, the hMPXV outbreak expanded across Europe within a short period in the spring of 2022 in an international highly intertwined network of sexually active MSM.	<a href="https://doi.org/10.1101/2022.11.19.22282179">https://doi.org/10.1101/2022.11.19.22282179</a>
19/11/2022	bioRxiv	Research article	Novel mRNA vaccines encoding Monkeypox virus M1R and A35R protect mice from a lethal virus challenge	Collectively, our results indicate that the novel mRNA vaccines coding for a fusion protein of A35R and M1R had a better anti-virus immunity than co-expression of the two individual proteins. The mRNA vaccines are highly effective and can be an alternative to the current whole-virus vaccines to defend Monkeypox virus infection.	<a href="https://doi.org/10.1101/2022.11.19.517190">https://doi.org/10.1101/2022.11.19.517190</a>
17/11/2022	Lancet	Research article	Human monkeypox virus infection in women and non-binary individuals during the 2022 outbreaks: a global case series	The clinical features of monkeypox in women and non-binary individuals were similar to those described in men, including the presence of anal and genital lesions with prominent mucosal involvement. Anatomically, anogenital lesions were reflective of sexual practices. The prevalence of HIV co-infection in the cohort was high.	<a href="https://doi.org/10.1016/S0140-6736(22)02187-0">https://doi.org/10.1016/S0140-6736(22)02187-0</a>
17/11/2022	Lancet Infect Dis	Comment	Inadequate diagnostic capacity for monkeypox—sleeping through the alarm again	A piece on the issues of preparedness and inequity observed in the current MPX outbreak regarding diagnostic tools	<a href="https://doi.org/10.1016/S1473-3099(22)00744-Z">https://doi.org/10.1016/S1473-3099(22)00744-Z</a>
17/11/2022	Lancet	Seminar	Monkeypox	A piece discussing characteristics, diagnostics, treatment and prophylaxis of monkeypox in the current outbreak	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)02075-X/fulltext">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)02075-X/fulltext</a>
17/11/2022	Emerg Infect Dis	Research article	Efficient Inactivation of Monkeypox Virus by World Health Organization–Recommended Hand Rub Formulations and Alcohols	We demonstrate efficient inactivation of MPXV by 2 World Health Organization–recommended alcohol-based hand rub solutions.	<a href="https://pubmed.ncbi.nlm.nih.gov/36394568/">https://pubmed.ncbi.nlm.nih.gov/36394568/</a>
16/11/2022	HIV Med	Research article	Public understanding and awareness of and response to monkeypox virus outbreak: A cross-sectional survey of the most affected communities in the United Kingdom during the 2022 public health emergency	Vaccine acceptability was very high, yet the understanding and acceptance of public health information varied. Social determinants of health inequalities already shaping the UK landscape risk were compounded in this new emergency.	<a href="https://doi.org/10.1111/hiv.13430">https://doi.org/10.1111/hiv.13430</a>
15/11/2022	Lancet Infect Dis	Personal view	Déjà vu all over again? Monkeypox and the urgent need for randomised controlled trials	The need remains for the funding and development of predesigned, adaptive trial protocols for diseases with epidemic or pandemic potential that can be timely pulled off the shelf and launched early in an outbreak.	<a href="https://doi.org/10.1016/S1473-3099(22)00722-8">https://doi.org/10.1016/S1473-3099(22)00722-8</a>
15/11/2022	Int J Gynaecol Obstet	Review	A Review of Monkeypox Infection during Pregnancy	The objective of our study is to review the Monkeypox infection during pregnancy: its epidemiology and etiology, transmission, clinical manifestations and complications, diagnosis, management, antenatal testing and delivery, prevention, awareness, and recommendations.	<a href="https://doi.org/10.1002/ijgo.14577">https://doi.org/10.1002/ijgo.14577</a>
14/11/2022	medRxiv	Research article	Accumulation of immunity in heavy-tailed sexual contact networks shapes monkeypox outbreak sizes	Our mathematical model incorporating empirical estimates of the heavy-tailed sexual partnership distribution among men who have sex with men (MSM) suggests that monkeypox epidemics can hit the infection-derived herd immunity threshold and begin to decline with less than 1% of sexually active MSM population infected regardless of interventions or behavioural changes. Consistently, we found that many countries and US states experienced an epidemic peak with cumulative cases of around 0.1-0.7% of MSM population.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.14.22282286v1">https://www.medrxiv.org/content/10.1101/2022.11.14.22282286v1</a>
14/11/2022	medRxiv	Research article	Exploration of wastewater surveillance for Monkeypox virus	The ability to detect trace amounts of MPXV in wastewater as well as obtain Sanger sequence confirmation, has allowed for the successful surveillance of this virus in wastewater.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.10.22282091v1">https://www.medrxiv.org/content/10.1101/2022.11.10.22282091v1</a>
14/11/2022	medRxiv	Research article	Evaluation and Clinical Validation of Monkeypox Virus Real-Time PCR Assays	We validated probe-based qPCR assays targeting MPXV-specific loci F3L and G2R and a pan-orthopoxvirus assay targeting the E9L locus.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.12.22282254v1">https://www.medrxiv.org/content/10.1101/2022.11.12.22282254v1</a>



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14/11/2022	medRxiv	Research article	Cardiac Events Following JYNNEOS Vaccination for Prevention of Monkeypox	This retrospective cohort study of JYNNEOS vaccination for prevention of monkeypox identified 10 cardiac events that all had alternative explanations; and no hospitalizations or serious adverse outcomes were attributed to vaccination.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.13.2228258v1">https://www.medrxiv.org/content/10.1101/2022.11.13.2228258v1</a>
13/11/2022	J Med Virol	Review	Monkeypox Outbreak 2022: What We Know So Far and Its Potential Drug Targets and Management Strategies	This article discusses monkeypox disease, potential drug targets, and management strategies to overcome monkeypox disease. With the discovery of new drugs, it is hoped that the problem of insufficient drugs will be resolved, and it is not anticipated that drug resistance will become a major issue in the near future.	<a href="https://doi.org/10.1002/jmv.28306">https://doi.org/10.1002/jmv.28306</a>
12/11/2022	Clin Infect Dis	Research article	Evaluating the accuracy of self-collected swabs for the diagnosis of monkeypox	Performance of self-collected samples was similar to that of physician-collected samples, suggesting that self-sampling is a reliable strategy for diagnosing monkeypox.	<a href="https://doi.org/10.1093/cid/ciac889">https://doi.org/10.1093/cid/ciac889</a>
11/11/2022	MMWR	Research article	Epidemiologic Features of the Monkeypox Outbreak and the Public Health Response — United States, May 17–October 6, 2022	A total of 26,384 U.S. monkeypox cases were reported during May 17–October 6, 2022. Among 59% of persons with data on gender and recent sexual or close intimate contact, 70% reported recent male-to-male sexual contact. Black and Hispanic persons continue to be disproportionately affected.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7145a4.htm">https://www.cdc.gov/mmwr/volumes/71/wr/mm7145a4.htm</a>
11/11/2022	J Infect Public Health	Research article	Knowledge, attitudes, and practices towards monkeypox during the 2022 outbreak: An online cross-sectional survey among clinicians in Ohio, USA	Educational interventions with clinicians should address inadequate knowledge to support correct diagnosis and treatment. Efforts to enhance the perception of threat of monkeypox to public health may support adherence to preventive recommendations.	<a href="https://doi.org/10.1016/j.jiph.2022.11.004">https://doi.org/10.1016/j.jiph.2022.11.004</a>
10/11/2022	Emerg Infect Dis	Case report	Monkeypox Virus Infection in 18-Year-Old Woman after Sexual Intercourse, France, September 2022	We report a young woman in France positive for monkeypox virus transmitted through oral and vaginal sex. Ulceronecrotic lesions developed intravaginally and around her vulva.	<a href="https://doi.org/10.3201/eid2901.221643">https://doi.org/10.3201/eid2901.221643</a>
10/11/2022	Eurosurveill.	Research article	Evaluation of 11 commercially available PCR kits for the detection of monkeypox virus DNA, Berlin, July to September 2022	The 11 evaluated kits showed comparable and high sensitivity to detect Clade I and Clade II monkeypox virus DNA and were therefore suitable to identify a range of clinically relevant viral loads of MPXV DNA for diagnosis using properly sampled skin lesions. Analytical sensitivity of the kits was generally high.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.45.2200816">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.45.2200816</a>
09/11/2022	Lancet Reg Health Americas	Research article	Epidemiological and clinical characteristics of patients with human monkeypox infection in Mexico: A nationwide observational study	The 2022 monkeypox outbreak in Mexico is mainly driven by middle-aged men who have sex with men, of which a large proportion are persons who live with human immunodeficiency virus infection. Clinical features such as the high proportion of anogenital lesions suggest sexual contact is a pivotal transmission mechanism in this outbreak.	<a href="https://www.thelancet.com/journals/lanam/article/PIIS2667-193X(22)00209-5/fulltext">https://www.thelancet.com/journals/lanam/article/PIIS2667-193X(22)00209-5/fulltext</a>
09/11/2022	Lancet Reg Health Americas	Viewpoint	Monkeypox in Brazil between stigma, politics, and structural shortcomings: Have we not been here before?	5 critical perils that need to be confronted to pre-empt public health and social crisis in connection with the epidemiological outbreak in Brazil: stigma; misinformation; health system's shortcomings; technological dependence on foreign vaccines and treatments, and the governance crisis.	<a href="https://www.thelancet.com/journals/lanam/article/PIIS2667-193X(22)00211-3/fulltext">https://www.thelancet.com/journals/lanam/article/PIIS2667-193X(22)00211-3/fulltext</a>
08/11/2022	Ann Intern Med	Research article	Contact Tracing and Exposure Investigation in Response to the First Case of Monkeypox Virus Infection in the United States During the 2022 Global Monkeypox Outbreak	In a contact tracing investigation involving 166 community and health care contacts of a patient with monkeypox, no secondary cases were identified.	<a href="https://doi.org/10.7326/m22-2721">https://doi.org/10.7326/m22-2721</a>
07/11/2022	Lancet Infect Dis	Comment	Monkeypox infection creates immune signatures of disease progression	Comment on Agrati's article. There is an early and powerful T-cell response to monkeypox infection, characterised by elevated inflammatory mediators. Similar to what has been observed with other orthopoxvirus infections, the T-cell response is Th1 biased	<a href="https://doi.org/10.1016/S1473-3099(22)00691-0">https://doi.org/10.1016/S1473-3099(22)00691-0</a>
07/11/2022	Lancet Infect Dis	Research article	Immunological signature in human cases of monkeypox infection in 2022 outbreak: an observational study	Our data showed the immunological signature of monkeypox virus infection, characterised by an early expansion of activated effector CD4+ and CD8+ T cells that persisted over time. Almost all patients, even regardless of HIV infection, developed a poxvirus-specific Th1 cell response.	<a href="https://doi.org/10.1016/S1473-3099(22)00662-4">https://doi.org/10.1016/S1473-3099(22)00662-4</a>
07/11/2022	Nat Microbiol	Research article	Tecovirimat is effective against human monkeypox virus in vitro at nanomolar concentrations	We isolated and sequenced a virus from the first clinical MPXV case diagnosed in France (May 2022). We report that tecovirimat (ST-246) is efficacious against this isolate in vitro at nanomolar concentrations, whereas cidofovir is only effective at micromolar concentrations.	<a href="https://www.nature.com/articles/s41564-022-01269-8">https://www.nature.com/articles/s41564-022-01269-8</a>
07/11/2022	Emerg Infect Dis	Research article	Orthopoxvirus Seroprevalence and Infection Susceptibility in France, Bolivia, Laos, and Mali	Seroprevalence of antibodies was <1% in Bolivia, <5% in Laos, and 17.25% in Mali. In France, we found low prevalence of neutralizing antibodies in persons who were unvaccinated and vaccinated for smallpox, suggesting immunosenescence occurred in vaccinated persons, and smallpox vaccination compliance declined before the end of compulsory vaccination.	<a href="https://doi.org/10.3201/eid2812.221136">https://doi.org/10.3201/eid2812.221136</a>
05/11/2022	J Infect	Letter	Clinical experience with use of oral tecovirimat or intravenous cidofovir for the treatment of monkeypox in an Italian reference hospital	We retrospectively describe clinical presentation, evolution, management and viral kinetics of the first 19 MPX cases treated with antivirals at the INMI Lazzaro Spallanzani IRCCS in Rome, Italy.	<a href="https://www.journalofinfection.com/article/S0163-4453(22)00643-0/fulltext">https://www.journalofinfection.com/article/S0163-4453(22)00643-0/fulltext</a>
05/11/2022	MedRxiv	Research article	Real-time forecasting the trajectory of monkeypox outbreaks at the national and global levels, July – October 2022	Our top-ranked model consistently predicted a decreasing trend in monkeypox cases on the global and country-specific scale during the last ten sequential forecasting periods. Our findings reflect the potential impact of increased immunity, and behavioral modification among high-risk populations.	<a href="https://www.medrxiv.org/content/10.1101/2022.11.02.22281844v1">https://www.medrxiv.org/content/10.1101/2022.11.02.22281844v1</a>
04/11/2022	Vaccine	Research article	Serological responses to the MVA-based JYNNEOS monkeypox vaccine in a cohort of participants from the Democratic Republic of Congo	- JYNNEOS vaccination produces robust anti-orthopoxvirus antibody response. - Naive vaccinees generate OPXV-specific IgM early after vaccination. - IgG responses peak around 2 weeks after second vaccine dose. Titers wane at 2 years, and more rapidly in naive vaccinees. - Antibodies neutralize VACV and MPXV differently, but had similar rise from baseline.	<a href="https://www.sciencedirect.com/science/article/pii/S0264410X22013603">https://www.sciencedirect.com/science/article/pii/S0264410X22013603</a>
04/11/2022	MMWR	Research article	Epidemiologic and Clinical Features of Children and Adolescents Aged <18 Years with Monkeypox — United States, May 17–September 24, 2022	Younger children typically acquired MPXV infection after skin-to-skin contact with a household member with monkeypox during caregiving activities; adolescents were most frequently exposed through male-to-male sexual contact.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7144a4.htm">https://www.cdc.gov/mmwr/volumes/71/wr/mm7144a4.htm</a>
02/11/2022	BMJ	Research article	Transmission dynamics of monkeypox in the United Kingdom: contact tracing study	The epidemic peaked in the UK as of 9 July and then started to decline. Short serial intervals were more common than short incubation periods suggesting considerable pre-symptomatic transmission, which was validated through linked patient level records. For patients who could be linked through personally identifiable data, four days was the maximum time that transmission was detected before symptoms manifested. The 95th centile of the serial interval between 23 and 41 days suggested long infectious periods.	<a href="https://www.bmj.com/content/379/bmj-2022-073153">https://www.bmj.com/content/379/bmj-2022-073153</a>

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02/11/2022	NEJM	Perspective	Monkeypox — A Sobering Sentinel for Pandemic Preparedness and Sexual Health System Capacity	Coming on the heels of Covid-19 and more than 40 years of HIV-control efforts, the monkeypox pandemic is another sentinel event that highlights the urgent need to build and sustain public health and clinical infrastructure that strengthens pandemic prevention and response and enables us to confront the growing STI epidemics effectively.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMp2212262?query=featured_home">https://www.nejm.org/doi/full/10.1056/NEJMp2212262?query=featured_home</a>
02/11/2022	Signal Transduct Targeted Ther	Review	Monkeypox: epidemiology, pathogenesis, treatment and prevention	Review of the epidemiology of monkeypox, monkeypox virus reservoirs, novel transmission patterns, mutations and mechanisms of viral infection, clinical characteristics, laboratory diagnosis and treatment measures, and strategies for the prevention, such as vaccination of smallpox vaccine.	<a href="https://www.nature.com/articles/s41392-022-01215-4">https://www.nature.com/articles/s41392-022-01215-4</a>
01/11/2022	Science Transl Med	Research article	In vitro and in vivo efficacy of Tecovirimat against a recently emerged 2022 Monkeypox virus isolate	Tested of the efficacy of TPOXX both in vitro and in vivo against a clade 2 Canadian 2022 isolate of MPXV isolated during the current outbreak. These data indicate that TPOXX is highly effective against currently circulating MPXV strains and could be an important contributor to curbing the ongoing outbreak.	<a href="https://www.science.org/doi/10.1126/scitranslmed.ade7646">https://www.science.org/doi/10.1126/scitranslmed.ade7646</a>
01/11/2022	JAMA	News	Monkeypox Neurologic Complications May Be Similar to Smallpox	The smallpox and monkeypox viruses are both orthopoxviruses, and patients with monkeypox may exhibit milder symptoms than those associated with the smallpox virus. Clinicians should be prepared to treat all known complications of orthopoxviruses.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2797888">https://jamanetwork.com/journals/jama/fullarticle/2797888</a>
01/11/2022	Clin Infect Dis	Research article	Histological features associated with Human Monkeypox Virus Infection in 2022 outbreak in a non-endemic country	Skin histology of papule and pustules from 5 MSM patients with Monkeypox infection showed viral intracytoplasmic cytopathic changes, interface dermatitis, marked inflammatory dermic infiltrate including superficial neutrophils and deep lymphocytes perivascular and periadnexal.	<a href="https://doi.org/10.1093/cid/ciac856">https://doi.org/10.1093/cid/ciac856</a>
31/10/2022	eClinicalMedicine	Review	Global monkeypox case hospitalisation rates: A rapid systematic review and meta-analysis	Health care organizations should be cognizant of the potential increase in healthcare utilization. Rapid identification of infection and use of appropriate therapies such as antivirals play a role reducing the CHR and associated CFR.	<a href="https://doi.org/10.1016/j.eclinm.2022.101710">https://doi.org/10.1016/j.eclinm.2022.101710</a>
31/10/2022	Plos Med	Perspective	The rapidly evolving monkeypox epidemic: A call to action to leave no one behind	Applying former United States Secretary of Defense Donald Rumsfeld's idiom, we reflect upon the "known knowns," "known unknowns," and "unknown unknowns" to improve prevention and treatment for this and future pandemics.	<a href="https://doi.org/10.1371/journal.pmed.1004128">https://doi.org/10.1371/journal.pmed.1004128</a>
30/10/2022	MedRxiv	Preprint	Serial interval and incubation period estimates of monkeypox virus infection in 12 U.S. jurisdictions, May – August 2022	Using data collected by 12 U.S. health departments, we report mean estimated serial interval for monkeypox virus infection of 8.5 (95% CrI: 7.3 – 9.9) days for symptom onset from 57 case pairs and mean estimated incubation period of 5.6 (4.3 – 7.8) days from 35 case pairs for symptom onset.	<a href="https://www.medrxiv.org/content/10.1101/2022.10.26.22281516v1">https://www.medrxiv.org/content/10.1101/2022.10.26.22281516v1</a>
29/10/2022	Lancet	Perspective	Monkeypox exposure during pregnancy: what does UK public health guidance advise?	Pradip Dashraath and colleagues give recommendations about monkeypox exposure during pregnancy that do not fully align with public health guidance in the UK. We propose a revision of the flowchart.	<a href="https://doi.org/10.1016/S0140-6736(22)01794-9">https://doi.org/10.1016/S0140-6736(22)01794-9</a>
28/10/2022	Lancet Microbe	Comment	The need for better diagnostics to support diagnosis and surveillance in monkeypox endemic countries	In addition to supporting monkeypox diagnostics and laboratory services, we need to invest in better surveillance and evaluate the most effective prevention and treatment strategies so that countries in the African region can mitigate the constant waves of monkeypox and other similar neglected infectious disease.	<a href="https://doi.org/10.1016/S2666-5247(22)00304-4">https://doi.org/10.1016/S2666-5247(22)00304-4</a>
26/10/2022	Lancet Infect Dis	Clinical picture	Hypertrophic verrucous lesions after monkeypox virus infection	At dermatological examination of the infected subject, erythematous rounded pustules 5 mm in diameter with central umbilication were located on the penile shaft and preputial groove, and a pustular vesicular lesion was located on the face above the left upper lip	<a href="https://doi.org/10.1016/S1473-3099(22)00695-8">https://doi.org/10.1016/S1473-3099(22)00695-8</a>
26/10/2022	Science	News	Monkeypox cases are plummeting. Scientists are debating why	Models suggests rising immunity in a small group of people with many sexual contacts is key	<a href="https://doi.org/10.1126/science.adf5133">https://doi.org/10.1126/science.adf5133</a>
26/10/2022	NEJM	Review	Monkeypox	An extensive review on monkeypox, with a focus on the differences in clinical manifestations known until now and the ones observed in the current outbreak.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMra2208860">https://www.nejm.org/doi/full/10.1056/NEJMra2208860</a>
26/10/2022	MMWR	Research article	Severe Monkeypox in Hospitalized Patients — United States, August 10–October 10, 2022	During August–October 2022, CDC provided clinical consultation for 57 hospitalized patients with severe manifestations of monkeypox, most of whom were Black men with AIDS. Delays were observed in initiation of monkeypox-directed therapies. Twelve patients died, and monkeypox was a cause of death or contributing factor in five patients to date.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7144e1.htm?s_cid=mm7144e1_w">https://www.cdc.gov/mmwr/volumes/71/wr/mm7144e1.htm?s_cid=mm7144e1_w</a>
25/10/2022	MedRxiv	Preprint	Recombination shapes 2022 monkeypox outbreak	The MPXV genome is evolving and expanding quickly during the 2022 pandemic. In combination with genomic surveillance, TR analysis and LD analysis are useful tools to monitor and track phylogenetic dynamics and recombination of monkeypox transmission.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.09.22278589v3">https://www.medrxiv.org/content/10.1101/2022.08.09.22278589v3</a>
25/10/2022	JAMA	News	Clinicians at Low Risk of Acquiring Monkeypox From Patients	An investigation by Colorado public health authorities found no monkeypox cases among 313 health care workers exposed to 55 patients with the virus, despite low adherence to preventive measures among the workers.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2797560">https://jamanetwork.com/journals/jama/fullarticle/2797560</a>
22/10/2022	J Med Virol	Review	Monkeypox Viral Detection In Semen Specimens of Confirmed Cases: A Systematic Review and Meta-Analysis	MPXV is highly prevalent in seminal specimens of MPX cases, further corroborating the role of sexual transmission of the disease. However, further evidence is still needed to shed more light on the replication competence of these particles.	<a href="https://doi.org/10.1002/jmv.28250">https://doi.org/10.1002/jmv.28250</a>
21/10/2022	Lancet Preprints	Research article	Human Monkeypox Virus Infection in Women During the 2022 Outbreaks – a Global Case Series	The clinical features of monkeypox in women were similar to that described in males with presentation with anal and genital lesions with prominent mucosal involvement.	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4254904">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4254904</a>
21/10/2022	J Med Virol	Research article	Evaluation and validation of an RT-PCR assay for specific detection of Monkeypox virus (MPXV)	The limit of detection was established at 7.2 genome copies/reaction, and MPXV was successfully identified in 20 clinical specimens with 100% correlation against the reference method with 100% sensitivity and specificity.	<a href="https://doi.org/10.1002/jmv.28247">https://doi.org/10.1002/jmv.28247</a>
21/10/2022	MedRxiv	Research article	Monkeypox outbreak in the Netherlands in 2022: public health response, epidemiological and clinical characteristics of the first 1000 cases and protection of the first-generation smallpox vaccine	Description of the epidemiological characteristics and clinical presentation of the first 1000 monkeypox cases in the Netherlands. Vaccine effectiveness of the prior first-generation smallpox vaccine against more severe MPX was found to be of 58% (95% CI 17-78%).	<a href="https://www.medrxiv.org/content/10.1101/2022.10.20.22281284v1">https://www.medrxiv.org/content/10.1101/2022.10.20.22281284v1</a>
21/10/2022	MMWR	Research article	A Health Equity Approach for Implementation of JYNNEOS Vaccination at Large, Community-Based LGBTQIA+ Events — Georgia, August 27–September 5, 2022	As the vaccine supply increases, distribution strategies should continue to focus on eliminating disparities and removing barriers, especially for persons who might be hesitant to be vaccinated or uncomfortable being vaccinated at a large event.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7143e4.htm?s_cid=mm7143e4_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7143e4.htm?s_cid=mm7143e4_x</a>

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21/10/2022	MMWR	Research article	Characteristics of JYNNEOS Vaccine Recipients Before and During a Large Multiday LGBTQIA+ Festival — Louisiana, August 9–September 5, 2022	These data suggest that community engagement, targeted messaging, and selection of venues catering primarily to racial and ethnic minorities for community vaccination events can improve vaccine equity and reduce health disparities.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7143e3.htm?s_cid=mm7143e3_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7143e3.htm?s_cid=mm7143e3_x</a>
21/10/2022	MMWR	Research article	Receipt of First and Second Doses of JYNNEOS Vaccine for Prevention of Monkeypox — United States, May 22–October 10, 2022	Tracking and addressing disparities in vaccination can reduce inequities and help ensure that disproportionately affected populations are protected.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7143e2.htm?s_cid=mm7143e2_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7143e2.htm?s_cid=mm7143e2_x</a>
20/10/2022	Science	Report	Multiple lineages of monkeypox virus detected in the United States, 2021–2022	These findings suggest that APOBEC3 editing may be a recurrent and a dominant driver of MPXV evolution within the current outbreak.	<a href="https://doi.org/10.1126/science.add4153">https://doi.org/10.1126/science.add4153</a>
20/10/2022	Eurosurveill.	Research article	High monkeypox vaccine acceptance among male users of smartphone-based online gay-dating apps in Europe, 30 July to 12 August 2022	Acceptance of MPX vaccination is high among MSM who use dating apps. Attention is needed to increase vaccination acceptance in some subregions of Europe and groups with indications of lower acceptance.	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.42.2200757">https://doi.org/10.2807/1560-7917.ES.2022.27.42.2200757</a>
20/10/2022	Lancet Reg Health Europe	Correspondence	Monkeypox in children: Update on the current outbreak and need for better reporting	Global reports of monkeypox disease in young children are reassuring, but we need more robust and systematic data beyond media reports to both reassure parents and provide evidence-based care for children.	<a href="https://doi.org/10.1016/j.lanepe.2022.100521">https://doi.org/10.1016/j.lanepe.2022.100521</a>
18/10/2022	Nature Med	Research article	Low levels of monkeypox virus neutralizing antibodies after MVA-BN vaccination in healthy individuals	A 2-shot MVA-BN immunization in non-primed individuals yields relatively low levels of MPXV-neutralizing antibodies. As the role of MPXV-neutralizing antibodies as a correlate of protection against disease and transmissibility is currently unclear, cohort studies following vaccinated individuals are necessary to assess vaccine efficacy in at-risk populations.	<a href="https://doi.org/10.1038/s41591-022-02090-w">https://doi.org/10.1038/s41591-022-02090-w</a>
17/10/2022	Nat Microbiol	Research article	Retrospective detection of monkeypox virus in the testes of nonhuman primate survivors	In MPXV-infected crab-eating macaque archival tissue samples, we detected MPXV in interstitial cells and seminiferous tubules of testes as well as epididymal lumina, which are the sites of sperm production and maturation.	<a href="https://doi.org/10.1038/s41564-022-01259-w">https://doi.org/10.1038/s41564-022-01259-w</a>
17/10/2022	MMWR	Research article	Monkeypox Virus Infection Resulting from an Occupational Needlestick — Florida, 2022	This report describes the first reported U.S. case of monkeypox acquired through an occupational exposure and recommends approaches for preventing occupationally acquired MPXV infections in HCP.	<a href="http://dx.doi.org/10.15585/mmwr.mm7142e2">http://dx.doi.org/10.15585/mmwr.mm7142e2</a>
17/10/2022	MMWR	Research article	Ocular Monkeypox — United States, July–September 2022	This report describes five cases of ocular monkeypox identified in the United States during July–September 2022. Health care providers and public health practitioners should be aware that ocular mpox, although rare, is a sight-threatening condition.	<a href="http://dx.doi.org/10.15585/mmwr.mm7142e1">http://dx.doi.org/10.15585/mmwr.mm7142e1</a>
17/10/2022	Emerg Infect Dis	Case report	Monkeypox after Occupational Needlestick Injury from Pustule	This case highlights risk for occupational transmission and manifestations of the disease after percutaneous transmission	<a href="https://doi.org/10.3201/eid2812.221374">https://doi.org/10.3201/eid2812.221374</a>
17/10/2022	J Med Virol	Review	A systematic review and clinical atlas on mucocutaneous presentations of monkeypox: with a comprehensive approach to all aspects of the new and previous monkeypox outbreaks	In this systematic review, we aimed to characterize the current face of the disease, with a detailed categorization of the mucocutaneous, as well as the systemic symptoms of the disease.	<a href="https://doi.org/10.1002/jmv.28230">https://doi.org/10.1002/jmv.28230</a>
17/10/2022	J Med Virol	Research article	Estimation of monkeypox spread in a non-endemic country considering contact tracing and self-reporting: a stochastic modeling study	This modeling study found that self-reporting behavior of a primary case is the most significant factor affecting outbreak size and duration.	<a href="https://doi.org/10.1002/jmv.28232">https://doi.org/10.1002/jmv.28232</a>
16/10/2022	J Infect	Letter	Persistence of Monkeypox Virus DNA in Clinical Specimens	Information of how frequently the MPXV DNA can be detected in variable clinical samples and how long it remains detectable are still very limited. Understand the dynamics of the early stages of MPXV infection is essential for clinical diagnostic testing and prevention interventions.	<a href="https://doi.org/10.1016/j.jinf.2022.10.013">https://doi.org/10.1016/j.jinf.2022.10.013</a>
15/10/2022	Lancet	Correspondence	The monkeypox case definition in the UK is broad – Authors' reply	We welcome the broadened case definition of possible monkeypox infection and were encouraged to hear the diversity of testing that has been done to date.	<a href="https://doi.org/10.1016/S0140-6736(22)01807-4">https://doi.org/10.1016/S0140-6736(22)01807-4</a>
14/10/2022	Lancet Preprints	Research article	Viral Dynamics in Patients with Monkeypox Infection: A Prospective Cohort Study in Spain	Skin lesions showed the longest time to viral clearance by qPCR requiring 3 weeks for 50% and 6 weeks for 90% of patients to have undetectable virus. Whilst monkeypox DNA may be detected by PCR for prolonged periods the absence of culture viability after day 15 suggests the infectious period may be shorter.	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4248017">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4248017</a>
14/10/2022	Lancet	Clinical picture	Electron microscopy images of monkeypox virus infection in 24-year-old man	EM showed both mature and immature virus particles—indicating virus replication—organised in specific cytoplasmic areas of epithelial cells of colonic crypts and of interstitial cells.	<a href="https://doi.org/10.1016/S0140-6736(22)01969-9">https://doi.org/10.1016/S0140-6736(22)01969-9</a>
13/10/2022	Infect Dis Now	Letter	Proposal of the French HIV Society on the CD4 threshold below which patients living with HIV who wish to be vaccinated against Monkeypox should receive a 3-dose regimen	Proposal of the French HIV Society on the CD4 threshold below which patients living with HIV who wish to be vaccinated against Monkeypox should receive a 3-dose regimen	<a href="https://www.em-consulte.com/article/1548907/proposal-of-the-french-hiv-society-on-the-cd4-thre">https://www.em-consulte.com/article/1548907/proposal-of-the-french-hiv-society-on-the-cd4-thre</a>
13/10/2022	MedRxiv	Preprint	Monkeypox vaccination willingness, determinants, and communication needs in gay, bisexual, and other men who have sex with men, in the context of limited vaccine availability in the Netherlands (Dutch MPX-survey)	In the public health response to the monkeypox outbreak, key is a broad and equitable access to information, and low-threshold vaccination options for those at highest risk. Communication should be transparent and tailored to beliefs.	<a href="https://doi.org/10.1101/2022.10.11.22280965">https://doi.org/10.1101/2022.10.11.22280965</a>
13/10/2022	Clin Infect Dis	Research article	Anorectal Testing for Monkeypox Virus Infection in Men who have Sex with Men with and without Proctitis	Rectal MPXV DNA was found in 9/9 individuals with and 7/9 without proctitis. Future study of anorectal testing is needed and may inform the diagnosis and pathogenesis of MPXV disease.	<a href="https://doi.org/10.1093/cid/ciac825">https://doi.org/10.1093/cid/ciac825</a>
12/10/2022	Nature	News	What does the future look like for monkeypox?	With cases declining in the United States and Europe, Nature examines scenarios of how the outbreak might play out.	<a href="https://www.nature.com/articles/d41586-022-03204-7">https://www.nature.com/articles/d41586-022-03204-7</a>
12/10/2022	Lancet Infect Dis	Personal view	Harm reduction and rights-based approaches to reduce monkeypox transmission among sex workers	The HIV and COVID-19 pandemics have highlighted the disproportionate burden of infection to sex workers across diverse settings and the urgent need to address the unmet occupational needs of sex workers that must be considered in the monkeypox virus response.	<a href="https://doi.org/10.1016/S1473-3099(22)00661-2">https://doi.org/10.1016/S1473-3099(22)00661-2</a>
12/10/2022	NEJM	Letter	Neonatal Monkeypox Virus Infection	Report of a case of neonatal monkeypox virus infection and adenovirus coinfection in a 10-day-old infant. Monkeypox was acquired after peripartum transmission within a family cluster; transplacental transmission could not be ruled out.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMc2210828">https://www.nejm.org/doi/full/10.1056/NEJMc2210828</a>

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12/10/2022	Exp Dermatol	Research article	Human monkeypox virus in a tertiary hospital in Madrid, Spain: an observational study of the clinical and epidemiological characteristics of 53 cases	An observational study characterising 53 patients presenting to Dermatology emergency room with a MPXV infection between 15 May to 30 June 2022 in a tertiary hospital in Madrid, Spain.	<a href="https://doi.org/10.1111/exd.14687">https://doi.org/10.1111/exd.14687</a>	
12/10/2022	BMJ	News	Monkeypox: Virus DNA is widespread in treatment rooms, study finds	A comment on the Lancet Microbe article of MPX of hospital treatment rooms. HCW treating patients with monkeypox should use personal protective equipment, regularly disinfect any frequently touched surfaces, and practise hand hygiene to protect themselves from becoming infected.	<a href="https://doi.org/10.1136/bmj.o2460">https://doi.org/10.1136/bmj.o2460</a>	
11/10/2022	JAMA	News	Identifying False-Positive Monkeypox Results	After investigating 3 cases of false-positive monkeypox test results, the CDC now recommends retesting low-risk individuals who test positive with low amounts of virus detected.	<a href="https://doi.org/10.1001/jama.2022.16814">https://doi.org/10.1001/jama.2022.16814</a>	
10/10/2022	MedRxiv	Preprint	Epidemic graph diagrams as analytics for epidemic control in the data-rich era	we introduce the epidemic graph diagrams (EGDs), novel representations to compute the epidemic threshold directly from arbitrarily complex data on contacts, disease and control efforts.	<a href="https://www.medrxiv.org/content/10.1101/2022.10.10.22280897v1">https://www.medrxiv.org/content/10.1101/2022.10.10.22280897v1</a>	
08/10/2022	Lancet	Correspondence	Monkeypox and pregnancy: time for global surveillance and prevention strategies	We wish to highlight the potential for this monkeypox epidemic to encourage the introduction of global surveillance and prevention strategies.	<a href="https://doi.org/10.1016/S0140-6736(22)01793-7">https://doi.org/10.1016/S0140-6736(22)01793-7</a>	
07/10/2022	BMJ Global Health	Editorial	Monkeypox: balancing response and future preparedness during a global public health emergency	We consider how the world might respond to a PHE while simultaneously supporting preparedness for the next one—outbreak preparedness being one of the biggest global health priorities of 2022.	<a href="https://gh.bmj.com/content/7/10/e010644">https://gh.bmj.com/content/7/10/e010644</a>	
07/10/2022	Lancet Infect Dis	Research article	Epidemiological and clinical characteristics of patients with monkeypox in the GeoSentinel Network: a cross-sectional study	Clinical manifestations of monkeypox infection differed by HIV status. Recommendations should be expanded to include pre-exposure monkeypox vaccination of groups at high risk of infection who plan to engage in sexual or close intimate contact.	<a href="https://doi.org/10.1016/S1473-3099(22)00651-X">https://doi.org/10.1016/S1473-3099(22)00651-X</a>	
07/10/2022	Lancet HIV	Comment	Monkeypox vaccination—an opportunity for HIV prevention	Not only should monkeypox itself be included in this list of indicator diseases for HIV testing, but also, everyone undergoing vaccination should be tested for HIV and, if they are negative, counselled about PrEP.	<a href="https://doi.org/10.1016/S2352-3018(22)00292-2">https://doi.org/10.1016/S2352-3018(22)00292-2</a>	
07/10/2022	Lancet Microbe	Comment	Monkeypox and the health-care environment	A comment on Gould's article and on the transmission of monkeypox in the health environment.	<a href="https://doi.org/10.1016/S2666-5247(22)00286-5">https://doi.org/10.1016/S2666-5247(22)00286-5</a>	
07/10/2022	Lancet Microbe	Research article	Air and surface sampling for monkeypox virus in a UK hospital: an observational study	These data show contamination in isolation facilities and potential for suspension of monkeypox virus into the air during specific activities. PPE contamination was observed after clinical contact and changing of bedding.	<a href="https://doi.org/10.1016/S2666-5247(22)00257-9">https://doi.org/10.1016/S2666-5247(22)00257-9</a>	
07/10/2022	BMJ Global Health	Comment	Monkeypox and the legacy of prejudice in targeted public health campaigns	Global public health responses should avoid reviving or re-trenching the myth of the gay disease, especially in jurisdictions where homosexual activities are criminalised.	<a href="http://dx.doi.org/10.1136/bmjgh-2022-010630">http://dx.doi.org/10.1136/bmjgh-2022-010630</a>	
06/10/2022	Lancet Infect Dis	Comment	The 2022 monkeypox outbreak: the need for clinical curiosity	Comment on Angelo's article. It is important that clinicians remain curious when faced with patients with undiagnosed diseases that do not necessarily fit accepted case descriptions.	<a href="https://doi.org/10.1016/S1473-3099(22)00669-7">https://doi.org/10.1016/S1473-3099(22)00669-7</a>	
06/10/2022	Lancet Microbe	Correspondence	Asymptomatic monkeypox infection: a call for greater control of infection and transmission	National surveillance programmes should be conducted, particularly among populations at high risk of infection, to detect asymptomatic cases.	<a href="https://doi.org/10.1016/S2666-5247(22)00259-2">https://doi.org/10.1016/S2666-5247(22)00259-2</a>	
06/10/2022	J Infect Dis	Research article	Residual humoral immunity sustained over decades in a cohort of vaccinia-vaccinated individuals	Sera from individuals born from 1946-1984 were therefore tested and those born prior to 1981 were found to have higher anti-vaccinia IgG and neutralizing activity titres. This suggests that protective humoral immunity remains which could reduce disease severity in an orthopoxvirus outbreak. Correlation between IgG and neutralizing titres was observed indicating that serology could be used as a surrogate marker for immunity.	<a href="https://doi.org/10.1093/infdis/jiac409">https://doi.org/10.1093/infdis/jiac409</a>	
06/10/2022	Eurosurveill.	Research article	Very low risk of monkeypox among staff and students after exposure to a confirmed case in educational settings, England, May to July 2022	Report on four incidents of exposure of children of different ages from confirmed adult monkeypox cases, which took place in different schools and nurseries during June and July 2022 in England. The low risk of developing monkeypox among staff and students after exposure to a confirmed case in educational settings is reassuring.	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.40.2200734">https://doi.org/10.2807/1560-7917.ES.2022.27.40.2200734</a>	
05/10/2022	Travel Med Infect Dis	Editorial	Availability of monkeypox vaccinations for low and middle-income countries: Challenges and recommendations	A robust international reaction is required to guarantee vaccination accessibility in LMICs to prevent future inequity and catastrophes like what happened with the COVID-19 pandemic.	<a href="https://doi.org/10.1016/j.tmaid.2022.102473">https://doi.org/10.1016/j.tmaid.2022.102473</a>	
05/10/2022	Nature	News	The monkeypox virus is mutating. Are scientists worried?	In some samples, large chunks of the virus's genome have disappeared — but understanding whether the mutations affect its behaviour will be difficult.	<a href="https://doi.org/10.1038/d41586-022-03171-z">https://doi.org/10.1038/d41586-022-03171-z</a>	
04/10/2022	Clin Microbiol Infect	Case report	Generalized purpuric rash as a clinical presentation of monkeypox infection in a mild immunosuppressed HIV patient: case report	We present the case of a 30-year-old male patient, MSM, diagnosed with HIV infection in December 2019.	<a href="https://doi.org/10.1016/j.cmi.2022.09.017">https://doi.org/10.1016/j.cmi.2022.09.017</a>	
03/10/2022	Infection	Review	State-of-the-art on monkeypox virus: an emerging zoonotic disease	Here, we summarize the clinical significance of MPXV and its unique infection characteristics. Finally, this review sheds light on worries regarding its resurgence in global health.	<a href="https://doi.org/10.1007/s15010-022-01935-3">https://doi.org/10.1007/s15010-022-01935-3</a>	
03/10/2022	Sci Total Environ	Review	Monkeypox outbreak: Wastewater and environmental surveillance perspective	WBS of MPXV DNA can be used to monitor MPXV activity/trends in sewerage network areas even before detecting laboratory-confirmed clinical cases within a community. However, several factors affect the detection of MPXV in wastewater including, but not limited to, routes and duration time of virus shedding by infected individuals, infection rates in the relevant affected population, environmental persistence, the processes and analytical sensitivity of the used methods.	<a href="https://doi.org/10.1016/j.scitotenv.2022.159166">https://doi.org/10.1016/j.scitotenv.2022.159166</a>	
02/10/2022	J Med Virol	Research article	Laboratory Validation and Clinical Performance of a Saliva-Based Test for Monkeypox Virus	Saliva-based PCR tests are potential tools for case identification, and further evaluation of the performance of such tests is warranted.	<a href="https://doi.org/10.1002/jmv.28191">https://doi.org/10.1002/jmv.28191</a>	
01/10/2022	Travel Med Infect Dis	Case report	Monkeypox proctitis treated with doxycycline in an HIV MSM returning to Italy from France	Description of the MPX case in a 35-year-old HIV-positive MSM presented with a high fever, anorectal pain, and tenesmus to an hospital in Italy coming from France.	<a href="https://doi.org/10.1016/j.tmaid.2022.102469">https://doi.org/10.1016/j.tmaid.2022.102469</a>	

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01/10/2022	Travel Med Infect Dis	Case report	Unusual epidemiological presentation of the first reports of monkeypox in a low-income region of Brazil	Description of 3 cases with unusual epidemiology: one was registered in an MSM and the lesions were found in the expected locations, and two cases were recorded in female patients with an unknown transmission route.	<a href="https://doi.org/10.1016/j.tmaid.2022.102466">https://doi.org/10.1016/j.tmaid.2022.102466</a>
30/09/2022	JAMA	Research article	Human Monkeypox Virus Infection in the Immediate Period After Receiving Modified Vaccinia Ankara Vaccine	In this small study, the majority of postvaccination monkeypox infections occurred within 2 weeks of receiving the first dose of MVA-BN, before full effectiveness was likely to have been achieved. At least 2 breakthrough infections were observed in individuals at least 3 weeks after a second dose.	<a href="https://doi.org/10.1001/jama.2022.18320">https://doi.org/10.1001/jama.2022.18320</a>
30/09/2022	Emerg Infect Dis	Case report	Myocarditis Attributable to Monkeypox Virus Infection in 2 Patients, United States, 2022	Report of 2 immunocompetent and otherwise healthy adults in the United States who had monkeypox and required hospitalization for viral myocarditis.	<a href="https://wwwnc.cdc.gov/eid/article/28/12/22-1276_article">https://wwwnc.cdc.gov/eid/article/28/12/22-1276_article</a>
30/09/2022	MMWR	Research article	Monkeypox Case Investigation — Cook County Jail, Chicago, Illinois, July–August 2022	Although monkeypox transmission might be limited in similar congregate settings without higher-risk exposures, facilities should implement recommended infection control practices and provide prevention education including confidential PEP counseling.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7140e2.htm?s_cid=mm7140e2_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7140e2.htm?s_cid=mm7140e2_x</a>
30/09/2022	MMWR	Research article	Incidence of Monkeypox Among Unvaccinated Persons Compared with Persons Receiving ≥1 JYNNEOS Vaccine Dose — 32 U.S. Jurisdictions, July 31–September 3, 2022	Across 32 U.S. jurisdictions, among males aged 18–49 years eligible for JYNNEOS vaccination, monkeypox incidence was 14 times as high among unvaccinated males compared with those who had received a first vaccine dose ≥14 days earlier.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7140e3.htm">https://www.cdc.gov/mmwr/volumes/71/wr/mm7140e3.htm</a>
30/09/2022	Nature	News	Why scientists fear monkeypox spreading in wild animals	A discussion on the possibility and challenges deriving from spread of monkeypox virus from human to animals, and the establishment of new viral reservoirs.	<a href="https://doi.org/10.1038/d41586-022-03048-1">https://doi.org/10.1038/d41586-022-03048-1</a>
30/09/2022	J Med Virol	Research article	Tecovirimat therapy for severe monkeypox infection: Longitudinal assessment of viral titers and clinical response pattern – A first case-series experience	We present longitudinal virologic data of three patients with severe monkeypox treated with Tecovirimat.	<a href="https://doi.org/10.1002/jmv.28181">https://doi.org/10.1002/jmv.28181</a>
30/09/2022	bioRxiv	Research article	Genomic accordions may hold the key to Monkeypox Clade IIb's increased transmissibility	This study uncovers significant variation in short-tandem repeat areas of the MPXV genome that could be associated with changes in transmissibility.	<a href="https://doi.org/10.1101/2022.09.30.510261">https://doi.org/10.1101/2022.09.30.510261</a>
29/09/2022	J Med Virol	Case report	An unusual case of human Monkeypox with successive asynchronous rashes	Case report of a monkeypox infection with asynchronous rashes.	<a href="https://doi.org/10.1002/jmv.28180">https://doi.org/10.1002/jmv.28180</a>
29/09/2022	Eurosurveill.	Research article	The risk of reverse zoonotic transmission to pet animals during the current global monkeypox outbreak, United Kingdom, June to mid-September 2022	Understanding the likelihood of reverse zoonotic transmission via pet animals associated with the current MPX outbreak will improve comprehension of the potential risk of further zoonotic ingress to the human population.	<a href="https://doi.org/10.2807/1560-7917.ES.2022.27.39.2200758">https://doi.org/10.2807/1560-7917.ES.2022.27.39.2200758</a>
29/09/2022	Lancet Infect Dis	Research article	Viral loads in clinical samples of men with monkeypox virus infection: a French case series	High MPXV viral loads from skin and mucosa, including genital and anal sites, suggest that transmission most likely occurs through direct body contact rather than through the respiratory route or contact with body fluids.	<a href="https://doi.org/10.1016/S1473-3099(22)00586-2">https://doi.org/10.1016/S1473-3099(22)00586-2</a>
29/09/2022	Lancet Infect Dis	Comment	Monkeypox virus in human body sites and fluids: evidence for transmission	A discussion on the findings presented by Palich et al, and on several questions regarding the contribution of the different bodily fluids to virus transmission.	<a href="https://doi.org/10.1016/S1473-3099(22)00639-9">https://doi.org/10.1016/S1473-3099(22)00639-9</a>
29/09/2022	Lancet Infect Dis	Comment	Monkeypox outbreak in a piercing and tattoo establishment in Spain	Description of a monkeypox outbreak of 5 cases epidemiologically linked to a piercing and tattoo establishment in Cádiz, Spain.	<a href="https://doi.org/10.1016/S1473-3099(22)00652-1">https://doi.org/10.1016/S1473-3099(22)00652-1</a>
29/09/2022	Lancet Infect Dis	Comment	Viral replication and infectivity of monkeypox through semen	A discussion on the findings presented by Daniele Lapa and colleagues, showing the successful isolation of monkeypox viral DNA from the seminal fluid of an infected patient.	<a href="https://doi.org/10.1016/S1473-3099(22)00611-9">https://doi.org/10.1016/S1473-3099(22)00611-9</a>
29/09/2022	Emerg Infect Dis	Research article	Possible Occupational Infection of Healthcare Workers with Monkeypox Virus, Brazil	Epidemiologic and molecular characteristics of monkeypox virus infections sampled from 2 healthcare nurses in Brazil, who showed typical MPXV manifestations five days after collecting samples from an infected patient.	<a href="https://doi.org/10.3201/eid2812.221343">https://doi.org/10.3201/eid2812.221343</a>
26/09/2022	MedRxiv	Research article	Perceived concern and risk of getting infected with monkeypox among MSM: Evidence and perspectives from the Netherlands, July 2022	We identified a potential discrepancy between the "actual risk" and the perceived risk and concern of monkeypox among MSM in this early stage of the monkeypox epidemic in the Netherlands, especially among PrEP users and MSMHIV.	<a href="https://www.medrxiv.org/content/10.1101/2022.09.26.22280354v1">https://www.medrxiv.org/content/10.1101/2022.09.26.22280354v1</a>
25/09/2022	Sci Rep	Research article	Novel multi epitope-based vaccine against monkeypox virus: vaccinomic approach	The cell surface-binding protein is one of the primary proteins involved in MPXV pathogenesis. This study will aid in the development of appropriate therapeutics and future vaccines against MPXV.	<a href="https://doi.org/10.1038/s41598-022-20397-z">https://doi.org/10.1038/s41598-022-20397-z</a>
25/09/2022	J Hosp Infect	Letter	Attitudes toward Monkeypox vaccination among healthcare workers in France and Belgium: a part of complacency?	These observation suggests that better communicating on potential professional exposure to MPX in HCWs might be required to increase MKP vaccine acceptance.	<a href="https://doi.org/10.1016/j.jhin.2022.09.010">https://doi.org/10.1016/j.jhin.2022.09.010</a>
23/09/2022	Research square	Preprint	Effectiveness of a single-dose Modi	This study cohort, which included all Clalit Health Services (Israel) members eligible for the MVA vaccine, showed that a single dose of MVA is associated with a significantly lower risk for MPXV infection in high-risk individuals.	<a href="https://www.researchsquare.com/article/rs-1976861/latest.pdf">https://www.researchsquare.com/article/rs-1976861/latest.pdf</a>
23/09/2022	Emerg Infect Dis	Research article	Ten-Week Follow-Up of Monkeypox Case-Patient, Sweden, 2022	A previously healthy male patient had detectable monkeypox virus DNA in saliva 76 days after laboratory confirmation of infection. A comprehensive characterization of viral kinetics and a detailed follow-up indicated a declining risk for transmission during the weeks after monkeypox symptoms appeared.	<a href="https://doi.org/10.3201/eid2810.221107">https://doi.org/10.3201/eid2810.221107</a>
23/09/2022	Viruses	Research article	Development and Characterization of Recombinase-Based Isothermal Amplification Assays (RPA/RAA) for the Rapid Detection of Monkeypox Virus	In this study, three recombinase-based isothermal amplification assays (RPA/RAA) for the rapid detection of MPXV isolates were developed, providing a solid platform for the early diagnosis of potential MPXV cases, and will help with the control and prevention of current and future outbreaks.	<a href="https://www.mdpi.com/1999-4915/14/10/2112">https://www.mdpi.com/1999-4915/14/10/2112</a>
23/09/2022	Clin Microbiol Infect	Research article	Transmission characteristics, replication patterns and clinical manifestations of human monkeypox virus - an in-depth analysis of four cases from Germany	Our report demonstrates asynchronous multiple-site lesions of MPX with prolonged PCR positivity in mucosal swabs, swabs of non-affected skin, urine and seminal fluid. In addition, infectious virus was confirmed on lesional skin and mucosal swabs. The observed virological kinetics together with suspected presymptomatic transmission may lead to effective and sustained human-to-human transmission particularly in sexual networks.	<a href="https://doi.org/10.1016/j.cmi.2022.09.012">https://doi.org/10.1016/j.cmi.2022.09.012</a>

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23/09/2022	MMWR	Report	Monkeypox in a Young Infant — Florida, 2022	In August 2022, the Florida Department of Health (FDOH) was notified of a suspected case of monkeypox in an infant aged <2 months who was admitted to a Florida hospital with a rash and cellulitis. This case report highlights findings from the related epidemiologic investigation and describes the public health actions taken. This is the youngest patient with confirmed monkeypox infection in Florida to date.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e3.htm?s_cid=mm7138e3_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e3.htm?s_cid=mm7138e3_x</a>	
23/09/2022	MMWR	Report	Two Cases of Monkeypox-Associated Encephalomyelitis — Colorado and the District of Columbia, July–August 2022	Two U.S. cases of encephalomyelitis associated with acute MPXV infection were identified during summer 2022. Whether the underlying pathophysiology resulted from direct viral neuroinvasion or a parainfectious autoimmune process is currently unknown.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e1.htm?s_cid=mm7138e1_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e1.htm?s_cid=mm7138e1_x</a>	
22/09/2022	Science	Research article	Heavy-tailed sexual contact networks and monkeypox epidemiology in the global outbreak, 2022	This transmission model suggests the R0 for monkeypox over MXM sexual network may be substantially above 1.	<a href="https://www.science.org/doi/10.1126/science.add4507">https://www.science.org/doi/10.1126/science.add4507</a>	
22/09/2022	Lancet Infect Dis	News	Monkeypox trial to begin in DR Congo	As the trial in DR Congo unfolds, a more coordinated monkeypox international response is expected, with further research into the disease and the ramping up of therapeutics, diagnostics, and vaccine production.	<a href="https://doi.org/10.1016/S1473-3099(22)00604-1">https://doi.org/10.1016/S1473-3099(22)00604-1</a>	
22/09/2022	Lancet Neurology	Correspondence	Potential complications of monkeypox	What is known and unknown of neurological manifestations of monkeypox	<a href="https://doi.org/10.1016/S1474-4422(22)00340-4">https://doi.org/10.1016/S1474-4422(22)00340-4</a>	
22/09/2022	Lancet Reg Health Americas	News	Monkeypox: Where are the racial disparities?	A discussion on the racial disparities in monkeypox cases in the US, where Black and Latinx people comprise the majority of the total cases reported from August 14th to 20th even though they make up just a third of the national population.	<a href="https://doi.org/10.1016/j.lana.2022.100372">https://doi.org/10.1016/j.lana.2022.100372</a>	
22/09/2022	Lancet Respir Med	News	Monkeypox transmission—what we know so far	Direct contact with lesions during close intimate contact between sexual partners is a major driver of the current outbreak. It is, however, less clear how much of a role other routes of transmission are playing, such as respiratory transmission.	<a href="https://doi.org/10.1016/S2213-2600(22)00386-1">https://doi.org/10.1016/S2213-2600(22)00386-1</a>	
22/09/2022	Lancet Infect Dis	Correspondence	Yes, it matters who is spreading monkeypox	In response to Schneider and Eichner article “Does it matter who is spreading monkeypox?”, this correspondence explains why yes, it does matter.	<a href="https://doi.org/10.1016/S1473-3099(22)00579-5">https://doi.org/10.1016/S1473-3099(22)00579-5</a>	
21/09/2022	Lancet	Editorial	Evolutionary consequences of delaying intervention for monkeypox	By reducing the chance of evolution, rapid and sustained intervention benefits not only local communities but also the world. The evolutionary implications of delaying intervention without addressing trade-offs that arise due to the inherent scarcity of public health resources are considered.	<a href="https://doi.org/10.1016/S0140-6736(22)01789-5">https://doi.org/10.1016/S0140-6736(22)01789-5</a>	
20/09/2022	Frontiers in Cellular and Infection Microbiology	Review	Monkeypox 2022 outbreak in non-endemic countries: Open questions relevant for public health, nonpharmacological intervention and literature review	The authors identified some open questions and reviewed the relevant literature on monkeypoxvirus and/or related orthopoxviruses.	<a href="https://doi.org/10.3389/fcimb.2022.1005955">https://doi.org/10.3389/fcimb.2022.1005955</a>	
20/09/2022	MedRxiv	Research article	Evaluating the accuracy of self-collected swabs for the diagnosis of monkeypox	Performance of self-collected samples was similar to that of physician-collected samples, suggesting that self-sampling is a reliable strategy for diagnosing monkeypox	<a href="https://doi.org/10.1101/2022.09.19.22280087">https://doi.org/10.1101/2022.09.19.22280087</a>	
20/09/2022	Immunity	Research article	Human anti-smallpox long-lived memory B cells are defined by dynamic interactions in the splenic niche and long-lasting germinal center imprinting	<ul style="list-style-type: none"> <li>- Splenic vaccinia B5-specific MBCs can be isolated decades after last vaccination</li> <li>- Long-lived B5-specific MBCs display signs of extensive affinity-based selection</li> <li>- Long-lived B5-specific MBCs are enriched in a splenic CD21hiCD20hi IgG+ B cell subset</li> <li>- Long-lived B5-specific MBCs harbor long-lasting elongated telomeres</li> </ul>	<a href="https://doi.org/10.1016/j.immuni.2022.08.019">https://doi.org/10.1016/j.immuni.2022.08.019</a>	
20/09/2022	Travel Med Infect Dis	Case report	Monkeypox coinfection with Neurosyphilis in a transgender with HIV in Atlanta, USA	This case report describes the concurrent infection of Monkeypox and Neurosyphilis in a patient with HIV.	<a href="https://doi.org/10.1016/j.tmaid.2022.102454">https://doi.org/10.1016/j.tmaid.2022.102454</a>	
20/09/2022	JAMA Neurology	Review	Neurologic Complications of Smallpox and Monkeypox	Monkeypox should be considered in high-risk populations who present with neurologic syndromes. Diagnosis may require serology and polymerase chain reaction testing of blood and spinal fluid. Antiviral therapy should be initiated early in the course of the illness.	<a href="https://jamanetwork.com/journals/jamaneurology/fullarticle/2796513">https://jamanetwork.com/journals/jamaneurology/fullarticle/2796513</a>	
19/09/2022	MedRxiv	Research article	Wastewater based epidemiology beyond SARS-CoV-2: Spanish wastewater reveals the current spread of Monkeypox virus	This study shows that MPXV DNA can be reproducibly detected by qPCR in longitudinal samples collected from different Spanish wastewater treatment plants	<a href="https://doi.org/10.1101/2022.09.19.22280084">https://doi.org/10.1101/2022.09.19.22280084</a>	
19/09/2022	MMWR	Case report	Monkeypox in a Young Infant — Florida, 2022	Case report highlights of a suspected case of monkeypox in an infant aged <2 months who was admitted to a Florida hospital with a rash and cellulitis, and the related epidemiologic investigation and describes the public health actions taken.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e3.htm">https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e3.htm</a>	
17/09/2022	bioRxiv	Research article	Genomic deletions and rearrangements in monkeypox virus from the 2022 outbreak, USA	Presentation of three MPXV genomes containing deletions ranging from 2.3 to 15 kb and four genomes containing more complex rearrangements.	<a href="https://doi.org/10.1101/2022.09.16.508251">https://doi.org/10.1101/2022.09.16.508251</a>	
17/09/2022	Int J Infect Dis	Research article	Modelling the protective effect of previous compulsory smallpox vaccination against human monkeypox infection: from hypothesis to a worst case scenario	In the population born before 1981, the average vaccine-induced protective effect was calculated at 50.4%, whereas in the population born thereafter protection is lacking. The overall probability of infection after exposure to an infected patient was calculated at 73.8%, which exceeds the threshold value of 46.9% for an index patient to infect at least one other person (R <sub>z</sub> 1.0).	<a href="https://www.ijidonline.com/article/S1201-9712(22)00521-5/fulltext">https://www.ijidonline.com/article/S1201-9712(22)00521-5/fulltext</a>	
16/09/2022	MMWR	Report	Health Care Personnel Exposures to Subsequently Laboratory-Confirmed Monkeypox Patients — Colorado, 2022	Among 313 Colorado HCP exposed to patients with monkeypox, recommended PPE use and receipt of postexposure prophylaxis vaccination was low. HCP were assessed for risk and actively monitored for 21 days when indicated; none acquired monkeypox.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e2.htm?s_cid=mm7138e2_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e2.htm?s_cid=mm7138e2_x</a>	
16/09/2022	Science	Research article	Moving target	The global monkeypox outbreak is giving the virus an unprecedented opportunity to adapt to humans. Will it change for the worse?	<a href="https://www.science.org/content/article/will-monkeypox-virus-become-more-dangerous">https://www.science.org/content/article/will-monkeypox-virus-become-more-dangerous</a>	
16/09/2022	Science	Research article	Monkeypox: The consequences of neglecting a disease, anywhere	A disease anywhere can spread everywhere, if neglected	<a href="https://www.science.org/doi/10.1126/science.add3668">https://www.science.org/doi/10.1126/science.add3668</a>	

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15/09/2022	Lancet Infect Dis	Review	Prevention of monkeypox with vaccines: a rapid review	Smallpox vaccines represent an effective countermeasure that can be used to control monkeypox outbreaks. However, smallpox vaccines do cause side-effects and the replication-competent, second-generation vaccines have contraindications. Third-generation vaccines, although safer for use in immunocompromised populations, require two doses, which is an impediment to rapid outbreak response.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00574-6/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00574-6/fulltext</a>
15/09/2022	Annals of Emergency Medicine	Review	Diagnosis and Management of Monkeypox: A Review for the Emergency Clinician	This review seeks to provide emergency clinicians with the most up-to-date information necessary to diagnose, manage, and provide guidance regarding quarantine to patients and close contacts.	<a href="https://www.annemergmed.com/article/S0196-0644(22)00515-7/fulltext">https://www.annemergmed.com/article/S0196-0644(22)00515-7/fulltext</a>
15/09/2022	Travel Med Infect Dis	Research article	The clinical manifestations and severity of the 2022 monkeypox outbreak among 4080 patients	Updated meta-analysis to estimate the clinical characteristics and severity of the current MPX outbreak based on evidence from larger studies.	<a href="https://www.sciencedirect.com/science/article/pii/S1477893922002022?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S1477893922002022?via%3Dihub</a>
14/09/2022	Lancet Infect Dis	Correspondence	Monkeypox in pregnancy: update on current outbreak	It appears that, so far, none of the monkeypox infections reported in pregnant women have been severe, more severe disease than non-pregnant people, or that vertical transmission occurred. There is, however, an urgent need for an international registry or reporting system.	<a href="https://doi.org/10.1016/S1473-3099(22)00612-0">https://doi.org/10.1016/S1473-3099(22)00612-0</a>
14/09/2022	Archives of Sexual Behavior	Correspondence	Findings on the Monkeypox Exposure Mitigation Strategies Employed by Men Who Have Sex with Men and Transgender Women in the United States	MSM and transgender women employ a variety of exposure mitigation strategies currently endorsed by the CDC. This includes limiting their exposure by avoiding crowded social venues where close, personal, skin-to-skin contact is likely to occur.	<a href="https://doi.org/10.1007/s10508-022-02423-3">https://doi.org/10.1007/s10508-022-02423-3</a>
14/09/2022	J Med Virol	Review	Is monkeypox a new, emerging sexually transmitted disease? A rapid review of the literature	This review will specifically focus on the “emerging” transmission route of the monkeypox virus, that is to say, the sexual transmission route, which, although not confirmed yet, seems highly likely in the diffusion of the infectious agent.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.28145">https://onlinelibrary.wiley.com/doi/10.1002/jmv.28145</a>
14/09/2022	Infectious Diseases	Report	Atypical presentation of sexually-transmitted monkeypox lesions	We describe a 40-year-old male patient with an unusual clinical presentation. One week after having multiple risky MSM sexual intercourses, the patient developed skin eruption on the penis. During the following 10 days, he progressively developed new lesions on the same area. These lesions simultaneously showed different stages of evolution (vesicles, pustules and crust).	<a href="https://www.tandfonline.com/doi/full/10.1080/23744235.2022.2121420">https://www.tandfonline.com/doi/full/10.1080/23744235.2022.2121420</a>
14/09/2022	Emerg Infect Dis	Report	Monkeypox in Patient Immunized with ACAM2000 Smallpox Vaccine During 2022 Outbreak	We report a case of monkeypox in the United States in a patient who had been vaccinated with ACAM2000 smallpox vaccine 8 years earlier. Despite his vaccination status, he still contracted disease. He showed prodromal symptoms preceding development of painless penile lesions that later coalesced.	<a href="https://pubmed.ncbi.nlm.nih.gov/36104166/">https://pubmed.ncbi.nlm.nih.gov/36104166/</a>
13/09/2022	Lancet Microbe	Correspondence	Potential mechanisms of intrauterine transmission of monkeypox virus	Findings support the potential for orthopoxviruses to breach the placenta, although the exact mechanisms remain uncharacterised. We propose four pathways through which monkeypox could be vertically transmitted in utero	<a href="https://doi.org/10.1016/S2666-5247(22)00260-9">https://doi.org/10.1016/S2666-5247(22)00260-9</a>
13/09/2022	Nature	Editorial	How deadly is monkeypox? What scientists know	Symptoms of severe disease differ from those seen during past outbreaks, causing researchers to re-evaluate their assumptions.	<a href="https://www.nature.com/articles/d41586-022-02931-1">https://www.nature.com/articles/d41586-022-02931-1</a>
13/09/2022	MMWR	Report	Two Cases of Monkeypox-Associated Encephalomyelitis — Colorado and the District of Columbia, July–August 2022	Two U.S. cases of encephalomyelitis associated with acute MPXV infection were identified during summer 2022. Whether the underlying pathophysiology resulted from direct viral neuroinvasion or a parainfectious autoimmune process is currently unknown.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e1.htm?s_cid=mm7138e1_x">https://www.cdc.gov/mmwr/volumes/71/wr/mm7138e1.htm?s_cid=mm7138e1_x</a>
12/09/2022	Lancet Preprints	Research article	Sociodemographic, Clinical and Laboratorial Characteristics of Ambulatory and Hospitalized Patients with Suspected and Confirmed Monkeypox Virus Infection: An Observational Cohort Study from Brazil	This study reports characteristics of a case series of suspected and confirmed monkeypox cases (342 individuals in total, 208 were confirmed cases) at a referral infectious diseases center in Rio de Janeiro, Brazil.	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4216694">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4216694</a>
11/09/2022	J Med Virol	Research article	Assessing transmission risks and control strategy for monkeypox as an emerging zoonosis in a metropolitan area	We find that the MPX virus may spill over from gbMSM high-risk groups to broader populations if efficiency of transmission increases in the higher-risk group. However, the risk of outbreak can be greatly reduced if at least 65% of symptomatic cases can be isolated and their contacts traced and quarantined. In addition, infections in an animal reservoir will exacerbate MPX transmission risk in the human population.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.28137">https://onlinelibrary.wiley.com/doi/10.1002/jmv.28137</a>
10/09/2022	Lancet	Report	Human monkeypox virus infection in an immunocompromised man: trial with tecovirimat	A 37-year-old man attended our hospital with a 1-week history of fever, chills, headaches, sore throat, generalised malaise, and a rash on his arms, legs, trunk, and in his groin. The patient also reported significant pain and discomfort in his rectum when defecating. He had a history of HIV and metastatic Kaposi sarcoma; secondary syphilis, which had been treated; and hypertension.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS0140-6736(22)01528-8/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS0140-6736(22)01528-8/fulltext</a>
09/09/2022	Am J Obstet Gynecol MFM	Review	Monkeypox infection in pregnancy: a systematic review and meta-analysis	Monkeypox infection in pregnancy is associated with a high risk of perinatal loss and vertical transmission. The preliminary results from this systematic review affected by a very small number of included cases highlights the need for a thorough maternal and fetal surveillance in pregnancies complicated by Monkeypox infection.	<a href="https://doi.org/10.1016/j.ajogmf.2022.100747">https://doi.org/10.1016/j.ajogmf.2022.100747</a>
09/09/2022	MedRxiv	Preprint	Single and 2-dose vaccinations with MVA-BN® induce durable B cell memory responses in healthy volunteers that are comparable to older generation replicating smallpox vaccines	MVA-BN booster-induced anamnestic responses support durable immune memory. One or two primary MVA-BN vaccinations induce similar durable B cell memory responses. Anamnestic responses were observed in those immunized with MVA-BN 2 years earlier. No safety concerns were revealed following a 2-year MVA-BN booster.	<a href="https://www.medrxiv.org/content/10.1101/2022.09.07.22279689v1">https://www.medrxiv.org/content/10.1101/2022.09.07.22279689v1</a>
09/09/2022	MMWR	Report	Clinical Use of Tecovirimat (Tpxox) for Treatment of Monkeypox Under an Investigational New Drug Protocol — United States, May–August 2022	Among 549 patients with Monkeypox virus infection treated with tecovirimat, 99.8% received it orally as an outpatient. Among 369 patients, few adverse events were reported. Tecovirimat is generally well tolerated, and these data support continued access to treatment with tecovirimat during the current monkeypox outbreak.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7137e1.htm#contribAff">https://www.cdc.gov/mmwr/volumes/71/wr/mm7137e1.htm#contribAff</a>
09/09/2022	MMWR	Report	HIV and Sexually Transmitted Infections Among Persons with Monkeypox — Eight U.S. Jurisdictions, May 17–July 22, 2022	Among 1,969 persons with monkeypox in eight U.S. jurisdictions, 38% had HIV infection, and 41% had an STI in the preceding year. Among persons with monkeypox, hospitalization was more common among persons with HIV infection than persons without HIV infection.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7136a1.htm">https://www.cdc.gov/mmwr/volumes/71/wr/mm7136a1.htm</a>

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08/09/2022	Eurosurveill.	Report	A large multi-country outbreak of monkeypox across 41 countries in the WHO European Region, 7 March to 23 August 2022	Description of the epidemiological features of MPX and analyse disease severity as well as the effect of prior smallpox vaccination on all cases in the WHO European Region reported in TESSy up to 23 August 2022.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.36.2200620">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.36.2200620</a>
08/09/2022	Eurosurveill.	Report	Isolation of viable monkeypox virus from anal and urethral swabs, Italy, May to July 2022	Anal and urethral samples from confirmed cases of monkeypox were screened for monkeypox virus (MPXV) by real-time PCR.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.36.2200675">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.36.2200675</a>
08/09/2022	eClinicalMedicine	Review	Neurological and psychiatric presentations associated with human monkeypox virus infection: A systematic review and meta-analysis	There is preliminary evidence for a range of neuropsychiatric presentations including severe neurological complications (encephalitis and seizure) and nonspecific neurological features (confusion, headache and myalgia). There is less evidence regarding the psychiatric presentations or sequelae of MPX.	<a href="https://doi.org/10.1016/j.eclinm.2022.101644">https://doi.org/10.1016/j.eclinm.2022.101644</a>
07/09/2022	Travel Med Infect Dis	Review	Polymerase chain reaction positivity and cycle threshold values in biological samples from patients with monkeypox: A meta-analysis	Our findings suggest that skin lesion swabs are the most effective means of detecting monkeypox DNA using the PCR technique. Besides, our study reinforces the evidence for the role of direct mucocutaneous contact in virus transmission. Studies assessing the sensitivity and specificity for different biological samples are still needed, and the potential for transmission of the monkeypox virus through semen and saliva remains to be further clarified.	<a href="https://www.sciencedirect.com/science/article/pii/S1473893922001946?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S1473893922001946?via%3Dihub</a>
06/09/2022	bioRxiv	Research article	Defining antigen targets to dissect vaccinia virus (VACV) and Monkeypox virus (MPXV)-specific T cell responses in humans	Here we leveraged the epitope information available in Immune Epitope Database (IEDB) on VACV to predict potential MPXV targets recognized by CD4+ and CD8+ T cell responses. We found a high degree of conservation between VACV epitopes and MPXV, and defined T cell immunodominant targets. These analyses enabled the design of peptide pools able to experimentally detect VACV-specific T cell responses and MPXV cross-reactive T cells in a cohort of vaccinated individuals. Our findings will facilitate the monitoring of cellular immunity following MPXV infection and vaccination.	<a href="https://www.biorxiv.org/content/10.1101/2022.09.06.506534v1">https://www.biorxiv.org/content/10.1101/2022.09.06.506534v1</a>
06/09/2022	Clin Infect Dis	Research article	Monkeypox presenting as proctitis in men who have sex with men	In our cohort of 70 MSM patients with monkeypox, more than one third presented with proctitis. In two-thirds of proctitis patients, there was no typical rash upon presentation, and in one-fifth, there was no rash at all, making the diagnosis a challenge. A rectal swab for monkeypox PCR can be diagnostic.	<a href="https://academic.oup.com/cid/advance-article-abstract/doi/10.1093/cid/ciac737/6692817?redirectedFrom=fulltext&amp;login=false">https://academic.oup.com/cid/advance-article-abstract/doi/10.1093/cid/ciac737/6692817?redirectedFrom=fulltext&amp;login=false</a>
06/09/2022	JAMA	News	FDA Authorizes Intradermal Vaccine, Streamlines Rules to Increase Monkeypox Treatment Access	The FDA issued Emergency Use Authorization (EUA) that allows for intradermal, rather than subcutaneous, injection of JYNNEOS, the only FDA-approved vaccine for preventing monkeypox.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2795912">https://jamanetwork.com/journals/jama/fullarticle/2795912</a>
05/09/2022	Nature Reviews Immunol	Research article	Monkeypox: disease epidemiology, host immunity and clinical interventions	In this Review, we discuss the clinical, epidemiological and immunological features of MPXV infections. We also highlight important research questions and new opportunities to tackle the ongoing monkeypox outbreak.	<a href="https://www.nature.com/articles/s41577-022-00775-4">https://www.nature.com/articles/s41577-022-00775-4</a>
05/09/2022	Travel Med Infect Dis	Comment	Syphilis and monkeypox co-infection: Coincidence, synergy or asymptomatic carriage?	A discussion on a case of syphilis and monkeypox co-infection	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1477893922001934">https://www.sciencedirect.com/science/article/abs/pii/S1477893922001934</a>
04/09/2022	HIV Med	Research article	Clinical characteristics of monkeypox virus infections among men with and without HIV: A large outbreak cohort in Germany	Preliminary cohort analysis from a current large outbreak among MSM in Germany. The clinical picture of MPXV infection did not differ between MSM with and without HIV infection. Severe courses were rare and hospitalization rates were low.	<a href="https://doi.org/10.1111/hiv.13378">https://doi.org/10.1111/hiv.13378</a>
03/09/2022	Clin Immunol	Research article	The resurgence of a neglected orthopoxvirus: Immunologic and clinical aspects of monkeypox virus infections over the past six decades	The 2022 monkeypox outbreak is associated with a diverse clinical phenotype and has spread to 98 countries worldwide. Animal models reveal the mechanisms by which monkeypox virus evades host immunity. Multiple vaccines are effective as pre-exposure prophylaxis against monkeypox, with a limited supply currently available. Additional investigations are needed to identify risk factors for severe disease and to develop new anti-viral therapies	<a href="https://www.sciencedirect.com/science/article/pii/S1521661622001899?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S1521661622001899?via%3Dihub</a>
02/09/2022	J Am Coll Cardiol Case Rep	Case report	Acute Myocarditis – a new manifestation of Monkeypox infection?	A 31-year-old male patient with confirmed Monkeypox infection developed acute myocarditis days after the eruption of skin lesions.	<a href="https://www.jacc.org/doi/10.1016/j.jaccas.2022.08.033">https://www.jacc.org/doi/10.1016/j.jaccas.2022.08.033</a>
02/09/2022	Clin Infect Dis	Report	Infectious proctitis due to human monkeypox	Description of two cases of infectious proctitis secondary to human monkeypox in patients presenting with rectal pain.	<a href="https://doi.org/10.1093/cid/ciac713">https://doi.org/10.1093/cid/ciac713</a>
02/09/2022	MMWR	Report	Strategies Adopted by Gay, Bisexual, and Other Men Who Have Sex with Men to Prevent Monkeypox virus Transmission - United States, August 2022	In a recent survey of gay, bisexual, and other men who have sex with men, approximately one half reported reducing their number of sex partners, one-time sexual encounters, and use of dating apps because of the monkeypox outbreak. Receipt of vaccine to protect against monkeypox varied by race, ethnicity, and geography.	<a href="https://doi.org/10.15585/mmwr.mm7135e1">https://doi.org/10.15585/mmwr.mm7135e1</a>
02/09/2022	MMWR	Report	Modeling the Impact of Sexual Networks in the Transmission of Monkeypox virus Among Gay, Bisexual, and Other Men Who Have Sex With Men — United States, 2022	Modeling of sexual infection transmission between men indicates that one-time partnerships, which account for 3% of daily sexual partnerships and 16% of daily sex acts, account for approximately 50% of daily Monkeypox virus (MPXV) transmission. A 40% reduction in one-time partnerships might delay the spread of monkeypox and reduce the percentage of persons infected by 20% to 31%.	<a href="https://doi.org/10.15585/mmwr.mm7135e2">https://doi.org/10.15585/mmwr.mm7135e2</a>
01/09/2022	Clin Microbiol Infect	Guidelines	Management of patients with monkeypox virus (MPXV) infection and contacts in the community and in healthcare settings: A French position paper	Guidelines and recommendations to inform the public, peoples at risk of severe MPX infection, infected patients and their families and contacts, and healthcare workers in charge of infected patients.	<a href="https://doi.org/10.1016/j.cmi.2022.08.018">https://doi.org/10.1016/j.cmi.2022.08.018</a>
01/09/2022	Lancet Microbe	Editorial	Monkeypox: it could have been different	Imagine a scenario where monkeypox had not been largely overlooked by the global community for decades...	<a href="https://doi.org/10.1016/S2666-5247(22)00233-6">https://doi.org/10.1016/S2666-5247(22)00233-6</a>
01/09/2022	Lancet Child Adolesc.	Editorial	Monkeypox virus infections in children in Spain during the first months of the 2022 outbreak	Clinical description of 16 patients younger than 18 yo, who were in two age groups, with different transmission routes: four children younger than 4 years, and 12 adolescents aged 13–17 years.	<a href="https://doi.org/10.1016/S2352-4642(22)00250-4">https://doi.org/10.1016/S2352-4642(22)00250-4</a>
01/09/2022	Nature	Research article	Don't lose sight of monkeypox containment	Although case counts might be dropping, the public-health community must focus on containing the epidemic completely.	<a href="https://www.nature.com/articles/d41586-022-02763-z?WT.ec_id=NATURE-20220901">https://www.nature.com/articles/d41586-022-02763-z?WT.ec_id=NATURE-20220901</a>



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01/09/2022	Eurosurveill.	Research article	Monkeypox DNA levels correlate with virus infectivity in clinical samples, Israel, 2022	In this investigation, we correlated PCR results from MPXV oropharyngeal, dermal lesion, and rectal swabs, with virus infectivity on cultured cells and found a strong negative correlation, predicting higher infectivity in specimens with low Cq values. We also tested paired swabs of oropharynx and dermal lesion from the same patients. Most tested patients appeared to present higher viral loads (and lower Cq values) in dermal lesion specimens than in oropharynx specimens, suggesting a higher infectivity risk from dermal lesions. Based on our data, a Cq value of $\geq 35$ predicts no or very low infectivity.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.35.2200636">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.35.2200636</a>	
31/08/2022	MedRxiv	Research article	Low levels of monkeypox virus neutralizing antibodies after MVA-BN vaccination in healthy individuals	We show that MPXV neutralizing antibodies were detected across all cohorts in individuals with MPXV exposure as well as those who received historic (VACV) vaccination. However, a primary MVA-BN immunization series in non-primed individuals yields relatively low levels of MPXV neutralizing antibodies. As the role of MPXV neutralizing antibodies for protection against disease and transmissibility is currently unclear and no correlate of protection against MPXV infection has been identified yet, this raises the question how well vaccinated individuals are protected.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.31.22279414v1">https://www.medrxiv.org/content/10.1101/2022.08.31.22279414v1</a>	
31/08/2022	NEJM	Perspective	Intradermal Vaccination for Monkeypox — Benefits for Individual and Public Health	Despite limited clinical evidence, all available data suggest that intradermal administration of JYNNEOS will be as immunogenic as subcutaneous dosing for preventing monkeypox infection and illness, which leads us to favor intradermal use from both the individual and public health perspectives.	<a href="https://www.nejm.org/doi/10.1056/NEJMp2211311">https://www.nejm.org/doi/10.1056/NEJMp2211311</a>	
30/08/2022	Lancet Reg Health SE Asia	Editorial	Preparedness and strategies for addressing monkeypox infection in pregnant women in India	Proposal of recommendations for monkeypox diagnosis and management in pregnant women in India	<a href="https://doi.org/10.1016/j.lansea.2022.100066">https://doi.org/10.1016/j.lansea.2022.100066</a>	
27/08/2022	J Infect Public Health	Research article	Monkeypox diagnostic and treatment capacity at epidemic onset: A VACCELERATE online survey	A collection of data about the preparedness of European tertiary care institutions for the current outbreak of monkeypox and the distribution of diagnostic and treatment capacities	<a href="https://www.sciencedirect.com/science/article/pii/S1876034122002118/">https://www.sciencedirect.com/science/article/pii/S1876034122002118/</a>	
27/08/2022	Ecohealth	Research article	Environmental Drivers of Monkeypox Transmission in the Democratic Republic of the Congo	Physical environmental risk factors alone cannot explain the emergence of MPX outbreaks in the DRC. Economic level and cultural practices participate from environment as a whole and thus, must be considered to understand exposure to MPX risk	<a href="https://doi.org/10.1007/s10393-022-01610-x">https://doi.org/10.1007/s10393-022-01610-x</a>	
27/08/2022	J Med Virol	Research article	Estimating the undetected infections in the Monkeypox outbreak	The proportion of undetected cases was relevant in all countries, with countries whose estimated true number of infections could be more than three times the observed one.	<a href="https://doi.org/10.1002/jmv.28099">https://doi.org/10.1002/jmv.28099</a>	
26/08/2022	medRxiv	Research article	Intentions to get vaccinated against Monkeypox in Healthcare workers in France and Belgium correlates with attitudes toward COVID-19 vaccination	Acceptance of Monkeypox vaccination in HCWs is probably moderate, HCWs are probably complacent and did not perceive the risk of Monkeypox infections in the context of professional exposure.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.25.22279205v1">https://www.medrxiv.org/content/10.1101/2022.08.25.22279205v1</a>	
26/08/2022	medRxiv	Research article	Monkeypox treatment with tecovirimat in the Central African Republic under an Expanded Access Programme	Data collected through this EAP can help improve our knowledge about the use of tecovirimat for monkeypox. We have been able to document systematically the presentation and clinical and virological evolution of monkeypox under treatment.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.24.22279177v1">https://www.medrxiv.org/content/10.1101/2022.08.24.22279177v1</a>	
26/08/2022	medRxiv	Research article	Public understanding, awareness, and response to the monkeypox virus outbreak: A cross-sectional survey of the most affected communities in the United Kingdom during the 2022 public health emergency	In this group of respondents, largely made up of White, male, employed men who have sex with men with university education, vaccine acceptability was very high, yet public health information and advice were neither universally accepted nor correctly understood. Social determinants of health inequalities already shaping the UK public health landscape are at risk of being compounded in this new emergency.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.25.22279207v1">https://www.medrxiv.org/content/10.1101/2022.08.25.22279207v1</a>	
25/08/2022	Nature	News	Can a smallpox drug treat monkeypox? Here's what scientists know	Tecovirimat, a little-known antiviral, shows promise against monkeypox. But human data and supplies of the drug are limited.	<a href="https://www.nature.com/articles/d41586-022-02245-2">https://www.nature.com/articles/d41586-022-02245-2</a>	
25/08/2022	NEJM	Editorial	Monkeypox — Past as Prologue	A comment discussing the Thornhill et al. report on 528 persons with monkeypox in a cohort spanning 16 countries on five continents	<a href="https://www.nejm.org/doi/full/10.1056/NEJMe2210535">https://www.nejm.org/doi/full/10.1056/NEJMe2210535</a>	
25/08/2022	JAMA Dermatology	Correspondence	Monkeypox Infection	Case report of a man presenting a 1-week history of mucopurulent anal discharge and tenesmus, as well as a 2-day history of pruritic perianal lesions.	<a href="https://jamanetwork.com/journals/jamadermatology/fullarticle/2795693">https://jamanetwork.com/journals/jamadermatology/fullarticle/2795693</a>	
23/08/2022	Health Science Report	Review	Repositioning potentials of smallpox vaccines and antiviral agents in monkeypox outbreak: A rapid review on comparative benefits and risks	Repurposing of these smallpox vaccines and antiviral agents might be weapons to fight monkeypox infection. Also, we recommend further investigations of smallpox vaccines and Orthopoxvirus inhibitors in a human model study to explore their exact role in human monkeypox infections.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/hsr2.798">https://onlinelibrary.wiley.com/doi/10.1002/hsr2.798</a>	
23/08/2022	Plos Biology	Perspective	Urgent need for a non-discriminatory and non-stigmatizing nomenclature for monkeypox virus	A novel, non-discriminatory classification of monkeypox virus: the work behind the new MPX clade nomenclature.	<a href="https://doi.org/10.1371/journal.pbio.3001769">https://doi.org/10.1371/journal.pbio.3001769</a>	
23/08/2022	Clin Microbiol Infect	Research article	Clinical characteristics of ambulatory and hospitalised patients with monkeypox virus infection: an observational cohort study	This study describes the clinical characteristics and complications of patients with a monkeypox infection observed in a French referral centre.	<a href="https://doi.org/10.1016/j.cmi.2022.08.012">https://doi.org/10.1016/j.cmi.2022.08.012</a>	
23/08/2022	medRxiv	Preprint	A35R and H3L are Serological and B Cell Markers for Monkeypox Infection	A35R and H3L represent MPXV immune targets, and can be used in a simple heat-inactivated serological enzyme-linked immunosorbent assay for the identification of recent MPXV infection.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.22.22278946v1">https://www.medrxiv.org/content/10.1101/2022.08.22.22278946v1</a>	
22/08/2022	JAMA	Correspondence	Compassionate Use of Tecovirimat for the Treatment of Monkeypox Infection	In this preliminary study, oral tecovirimat was well tolerated by all patients with monkeypox infection, with minimal adverse effects	<a href="https://jamanetwork.com/journals/jama/fullarticle/2795743">https://jamanetwork.com/journals/jama/fullarticle/2795743</a>	
20/08/2022	Clin Infect Dis	Correspondence	Phimosis as a Complication of Resolved Monkeypox	Description of phimosis as a complication of resolved Monkeypox	<a href="https://doi.org/10.1093/cid/ciac677">https://doi.org/10.1093/cid/ciac677</a>	
19/08/2022	MMWR	Research article	High-Contact Object and Surface Contamination in a Household of Persons with Monkeypox Virus Infection — Utah, June 2022	Monkeypox virus DNA was detected from many objects and surfaces sampled indicating that some level of contamination occurred in the household environment of the infected patient. However, the inability to detect viable virus suggests that virus viability might have decayed over time or through chemical or environmental inactivation.	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm71134e1.htm?s_cid=mm71134e1_w">https://www.cdc.gov/mmwr/volumes/71/wr/mm71134e1.htm?s_cid=mm71134e1_w</a>	

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19/08/2022	Clin Infect Dis	Correspondence	Environmental Testing of Surfaces in the Room of a Patient with Monkeypox	Environmental Testing of Surfaces in the Room of a Patient with Monkeypox	<a href="https://doi.org/10.1093/cid/ciac654">https://doi.org/10.1093/cid/ciac654</a>	
19/08/2022	J Infect	Research article	First case of monkeypox virus, SARS-CoV-2 and HIV co-infection	This case highlights how monkeypox and COVID-19 symptoms may overlap, and corroborates how in case of co-infection, anamnestic collection and sexual habits are crucial to perform the correct diagnosis.	<a href="https://www.journalofinfection.com/article/S0163-4453(22)00479-0/fulltext">https://www.journalofinfection.com/article/S0163-4453(22)00479-0/fulltext</a>	
19/08/2022	medRxiv	Preprint	First detection of Monkeypox virus genome in sewersheds in France	The detection and quantification of the Monkeypox virus genome in sewersheds in Paris (France) correlated temporally with the identification of the first case of infection and the spread of the disease within the population connected to the sewage system.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.18.22278938v1">https://www.medrxiv.org/content/10.1101/2022.08.18.22278938v1</a>	
19/08/2022	medRxiv	Preprint	Detection of Monkeypox virus DNA in the wastewater of an airport in Rome, Italy: expanding environmental surveillance to emerging threats	Wastewater surveillance can be quickly adapted to investigate emerging threats and can be used to track the introduction and/or the diffusion of the Monkeypox virus in communities.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.18.22278932v1">https://www.medrxiv.org/content/10.1101/2022.08.18.22278932v1</a>	
18/08/2022	Viruses	Research article	Rapid Amplicon Nanopore Sequencing (RANS) for the Differential Diagnosis of Monkeypox Virus and Other Vesicle-Forming Pathogens	The aim of this study is to provide a rapid genetic-based diagnostic tool for accurate and specific identification of MPXV and additional related vesicle-forming pathogens.	<a href="https://doi.org/10.3390/v14081817">https://doi.org/10.3390/v14081817</a>	
18/08/2022	Ann Intern Med	Correspondence	Monkeypox Virus–Associated Severe Proctitis Treated With Oral Tecovirimat: A Report of Two Cases	Both patients with severe monkeypox proctitis described in this report had rapid alleviation of rectal pain after starting treatment with oral tecovirimat, which was well tolerated.	<a href="https://www.acpjournals.org/doi/10.7326/L22-0300">https://www.acpjournals.org/doi/10.7326/L22-0300</a>	
18/08/2022	Eurosurveill.	Research article	The relevance of multiple clinical specimens in the diagnosis of monkeypox virus, Spain, June 2022	To guide sampling strategies, we evaluated the distribution of MPXV among different clinical specimens of patients with suspected MPXV infection.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.33.2200598">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.33.2200598</a>	
18/08/2022	Eurosurveill.	Research article	Monkeypox self-diagnosis abilities, determinants of vaccination and self-isolation intention after diagnosis among MSM, the Netherlands, July 2022	Among 394 MSM in the Netherlands, about half were able to self-diagnose monkeypox, that 70% had a high intention to get vaccinated and 44% to self-isolate after monkeypox diagnosis. Determinants went beyond mere risk behaviour criteria.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.33.2200603">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.33.2200603</a>	
17/08/2022	J Infect	Correspondence	Ocular involvement in monkeypox: description of an unusual presentation during the current outbreak.	The time-course of the ocular manifestations (ocular onset delayed with respect to the skin rash and concomitant systemic symptoms) is suggestive of a pathogenetic mechanism based on self-inoculation from skin lesions. Viral clearance and clinical recovery after treatment with intravenous Cidofovir were slow.	<a href="https://www.journalofinfection.com/article/S0163-4453(22)00474-1/fulltext">https://www.journalofinfection.com/article/S0163-4453(22)00474-1/fulltext</a>	
17/08/2022	medRxiv	Preprint	Development and implementation of a clinical decision support system tool for the evaluation of suspected monkeypox infection	Description of a CDSS tool embedded in the electronic health record to guide frontline clinicians in the diagnostic evaluation of monkeypox infection and triage patients with potential monkeypox infection to individualized infectious diseases physician review.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.15.22278791v1">https://www.medrxiv.org/content/10.1101/2022.08.15.22278791v1</a>	
17/08/2022	medRxiv	Preprint	The role of vaccination and public awareness in medium-term forecasts of monkeypox incidence in the United Kingdom	The virus may have already infected a significant proportion of the MSM group with the highest sexual activity; the associated immunity, coupled to behavioural driven decrease in the transmission rate of individuals infected with monkeypox, leads to case incidence flattening and then declining over the projection period (12 weeks).	<a href="https://www.medrxiv.org/content/10.1101/2022.08.15.22278788v1">https://www.medrxiv.org/content/10.1101/2022.08.15.22278788v1</a>	
17/08/2022	medRxiv	Preprint	Early estimates of the incidence trend and the reproductive number of the monkeypox epidemic in Brazil	Analysis of the four states with the highest incidence in Brazil: an upward trend was estimated, between 43.9% and 98.1%. After 20 days since the monkeypox introduction, reproductive numbers remained above 1.7.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.16.22278806v1">https://www.medrxiv.org/content/10.1101/2022.08.16.22278806v1</a>	
16/08/2022	Ann Intern Med	Research article	Detection of Monkeypox Virus in Anorectal Swabs From Asymptomatic Men Who Have Sex With Men in a Sexually Transmitted Infection Screening Program in Paris, France	This report documents a rate of 6.5% of positive MPXV PCR results from anal samples in asymptomatic MSM. Whether this indicates viral shedding that can lead to transmission is unknown.	<a href="https://www.acpjournals.org/doi/10.7326/M22-2183">https://www.acpjournals.org/doi/10.7326/M22-2183</a>	
16/08/2022	NEJM	Interview	Audio Interview: Responding to Monkeypox	In this audio interview, the editors are joined by White House National Monkeypox Response Deputy Coordinator Demetre Daskalakis to discuss the new public health emergency and what HIV and Covid-19 have taught us.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMe2210967">https://www.nejm.org/doi/full/10.1056/NEJMe2210967</a>	
16/08/2022	BMJ Global Health	Review	Availability, scope and quality of monkeypox clinical management guidelines globally: a systematic review	This systematic review highlights a lack of evidence-based clinical management guidelines for MPX globally. The current outbreak provides an opportunity to accelerate this research through coordinated high-quality studies.	<a href="https://gh.bmj.com/content/7/7/e009838">https://gh.bmj.com/content/7/7/e009838</a>	
15/08/2022	bioRxiv	Preprint	Monkeypox virus shows potential to infect a diverse range of native animal species across Europe, indicating high risk of becoming endemic in the region	The number of potentially susceptible species is currently underestimated by 2.4 to 4.3-fold, a high density of wild susceptible species are native to Europe. A lists of these species is provided.	<a href="https://www.biorxiv.org/content/10.1101/2022.08.13.503846v1">https://www.biorxiv.org/content/10.1101/2022.08.13.503846v1</a>	
15/08/2022	Emerg Infect Dis	Research article	Human Monkeypox without Viral Prodrome or Sexual Exposure, California, USA, 2022	We report human monkeypox in a man who returned to the United States from the United Kingdom and reported no sexual contact. He had vesicular and pustular skin lesions but no anogenital involvement.	<a href="https://wwwnc.cdc.gov/eid/article/28/10/22-1191_article">https://wwwnc.cdc.gov/eid/article/28/10/22-1191_article</a>	
13/08/2022	Lancet Reg Health SE Asia	Editorial	Monkeypox reported in India – South East Asia Region: Health and economic challenges	Description of the challenges of monkeypox in South-East Asia (SEA), consisting of multiple countries that differ in their economic, social, and health status.	<a href="https://www.thelancet.com/journals/lansea/article/PIIS2772-3682(22)00079-8/fulltext">https://www.thelancet.com/journals/lansea/article/PIIS2772-3682(22)00079-8/fulltext</a>	
13/08/2022	bioRxiv	Research article	Monkeypox virus shows potential to infect a diverse range of native animal species across Europe, indicating high risk of becoming endemic in the region	We show that the number of potentially susceptible species is currently underestimated by 2.4 to 4.3-fold, and that a high density of wild susceptible species are native to Europe. We provide lists of these species, and highlight high-risk hosts for spillback and potential long-term reservoirs, which may enable monkeypox virus to become endemic.	<a href="https://www.biorxiv.org/content/10.1101/2022.08.13.503846v1">https://www.biorxiv.org/content/10.1101/2022.08.13.503846v1</a>	
12/08/2022	MMWR	Research article	Interim Guidance for Prevention and Treatment of Monkeypox in Persons with HIV Infection — United States, August 2022	CDC has developed clinical considerations for prevention and treatment of monkeypox in persons with HIV infection, including pre-exposure and postexposure prophylaxis with JYNNEOS vaccine, treatment with tecovirimat, and infection control	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7132e4.htm?s_cid=mm7132e4_w">https://www.cdc.gov/mmwr/volumes/71/wr/mm7132e4.htm?s_cid=mm7132e4_w</a>	
12/08/2022	Nature Med	Research article	Retrospective detection of asymptomatic monkeypox virus infections among male sexual health clinic attendees in Belgium	These findings show that certain cases of monkeypox remain undiagnosed, and suggest that testing and quarantining of individuals reporting symptoms may not suffice to contain the outbreak.	<a href="https://www.nature.com/articles/s41591-022-02004-w">https://www.nature.com/articles/s41591-022-02004-w</a>	

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11/08/2022	Lancet Infect Dis	Editorial	What does it mean to declare monkeypox a PHEIC?	Monkeypox has been declared a public health emergency of international concern, but what does it mean for the response? Talha Burki reports.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00540-0/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00540-0/fulltext</a>	
11/08/2022	Nature	News	How does monkeypox spread? What scientists know	Prolonged contact, especially with a person's skin lesions, is emerging as the top transmission route.	<a href="https://www.nature.com/articles/d41586-022-02178-w">https://www.nature.com/articles/d41586-022-02178-w</a>	
10/08/2022	Cell	Editorial	Monkeypox Emergency: Urgent Questions and Perspectives	7 questions and perspectives on monkeypox provided by scientists	<a href="https://www.sciencedirect.com/science/article/pii/S0092867422009837">https://www.sciencedirect.com/science/article/pii/S0092867422009837</a>	
10/08/2022	Lancet	Editorial	Evidence of human-to-dog transmission of monkeypox virus	Here we describe the first case of a dog with confirmed monkeypox virus infection that might have been acquired through human transmission.	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01487-8/fulltext#back-bib7">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01487-8/fulltext#back-bib7</a>	
10/08/2022	Science	Editorial	How effective is the monkeypox vaccine? Scientists scramble for clues as trials ramp up	Logistical and ethical challenges are complicating the design of studies	<a href="https://www.science.org/content/article/how-effective-monkeypox-vaccine-scientists-scramble-clues-trials-ramp">https://www.science.org/content/article/how-effective-monkeypox-vaccine-scientists-scramble-clues-trials-ramp</a>	
10/08/2022	bioRxiv	Preprint	Heat inactivation of the Monkeypoxvirus	MPXV was inactivated in less than 5 min at 70 degrees and in less than 15 min at 60 degrees, with no difference between virus from West African and Central African clades.	<a href="https://www.biorxiv.org/content/10.1101/2022.08.10.502482v1">https://www.biorxiv.org/content/10.1101/2022.08.10.502482v1</a>	
10/08/2022	medRxiv	Preprint	Portable nucleic acid tests for rapid detection of monkeypox virus	Development of two isothermal nucleic acid amplification assays for detection of MPXV clades 2 and 3.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.09.22278605v1">https://www.medrxiv.org/content/10.1101/2022.08.09.22278605v1</a>	
09/08/2022	BMJ	Comment	Why the monkeypox outbreak constitutes a public health emergency of international concern	A comment from Dr. Tedros Adhanom Ghebreyesus, Director, General of the WHO, on why he declared monkeypox a public health emergency of international concern last July 23.	<a href="https://www.bmj.com/content/378/bmj.o1978">https://www.bmj.com/content/378/bmj.o1978</a>	
09/08/2022	medRxiv	Preprint	Monkeypox virus contamination in an office-based workplace environment, England 2022	Replication-competent virus was not identified in an office attended by a worker experiencing prodromal symptoms of monkeypox infection.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.09.22278460v1">https://www.medrxiv.org/content/10.1101/2022.08.09.22278460v1</a>	
09/08/2022	medRxiv	Preprint	Laboratory Validation and Clinical Implementation of Human Monkeypox Saliva-Based Tests	Saliva-based PCR tests are potential tools for outbreak control, and further evaluation of the performance of such tests is warranted.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.08.22278498v1">https://www.medrxiv.org/content/10.1101/2022.08.08.22278498v1</a>	
09/08/2022	bioRxiv	Preprint	Can Artificial Intelligence Detect Monkeypox from Digital Skin Images?	Based on the Monkeypox Skin Image Dataset 2022, deep AI models showed great potential in the detection of Monkeypox from digital skin images (precision of 85%).	<a href="https://www.biorxiv.org/content/10.1101/2022.08.08.503193v2">https://www.biorxiv.org/content/10.1101/2022.08.08.503193v2</a>	
08/08/2022	Lancet	Research article	Clinical presentation and virological assessment of confirmed human monkeypox virus cases in Spain: a prospective observational cohort study	In a Spanish cohort, monkeypox caused genital, perianal, and oral lesions and complications including proctitis and tonsillitis. Because of the variability of presentations, clinicians should have a low threshold for suspicion of monkeypox. Lesion swabs showed the highest viral loads, which, combined with the history of sexual exposure and the distribution of lesions, suggests close contact is probably the dominant transmission route in the current outbreak.	<a href="https://doi.org/10.1016/S0140-6736(22)01436-2">https://doi.org/10.1016/S0140-6736(22)01436-2</a>	
06/08/2022	<a href="https://virological.org">Virological.org</a>	Research article	An APOBEC3 molecular clock to estimate the date of emergence of hMPXV	The estimate for the date of emergence of hMPXV1 in the human population is 5-Apr-2016 (95% highest posterior density intervals of 14-Jul-2015 – 18-Dec-2016).	<a href="https://virological.org/t/an-apobec3-molecular-clock-to-estimate-the-date-of-emergence-of-hmpxv/885">https://virological.org/t/an-apobec3-molecular-clock-to-estimate-the-date-of-emergence-of-hmpxv/885</a>	
05/08/2022	MMWR	Guidelines	Interim Guidance for Prevention and Treatment of Monkeypox in Persons with HIV Infection — United States, August 2022	CDC has developed clinical considerations for prevention and treatment of monkeypox in persons with HIV infection, including pre-exposure and postexposure prophylaxis with JYNNEOS vaccine, treatment with tecovirimat, and infection control.	<a href="http://dx.doi.org/10.15585/mmwr.mm7132e4">http://dx.doi.org/10.15585/mmwr.mm7132e4</a>	
05/08/2022	BMJ	Comment	To end monkeypox, we must return power to our patients	The US's response to monkeypox fails to put patients and their care at its center.	<a href="https://www.bmj.com/content/378/bmj.o1965">https://www.bmj.com/content/378/bmj.o1965</a>	
05/08/2022	Lancet Microbe	Comment	Why is there expanding community transmission of monkeypox in 2022?	An overview of suggested future studies to identify how mutational changes in hMPXV1 could alter viral pathogenesis in humans.	<a href="https://doi.org/10.1016/S2666-5247(22)00200-2">https://doi.org/10.1016/S2666-5247(22)00200-2</a>	
04/08/2022	bioRxiv	Preprint	A Web-scraped Skin Image Database of Monkeypox, Chickenpox, Smallpox, Cowpox, and Measles	Web-scraping was used to collect Monkeypox, Chickenpox, Smallpox, Cowpox, and Measles infected skin as well as healthy skin images to build a comprehensive image database and make it publicly available.	<a href="https://www.biorxiv.org/content/10.1101/2022.08.01.502199v2">https://www.biorxiv.org/content/10.1101/2022.08.01.502199v2</a>	
04/08/2022	medRxiv	Preprint	Breakthrough infections after post-exposure vaccination against Monkeypox	Early post-exposure ring vaccination with a third-generation smallpox vaccine was well tolerated and effective against Monkeypox but did not completely prevent breakthrough infections.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.03.22278233v1">https://www.medrxiv.org/content/10.1101/2022.08.03.22278233v1</a>	
03/08/2022	bioRxiv	Preprint	Monkeypox DNA correlates with virus infectivity in clinical samples	We show strong correlation between viral DNA content and virus infectivity in clinical specimens. Moreover, we define a PCR threshold value which correspond to non-infectious virus.	<a href="https://www.biorxiv.org/content/10.1101/2022.08.02.502454v1">https://www.biorxiv.org/content/10.1101/2022.08.02.502454v1</a>	
03/08/2022	NEJM	Editorial	Tecovirimat and the Treatment of Monkeypox — Past, Present, and Future Considerations	An article from US FDA/CDC advocating for expanded-access to tecovirimat, and for conduction of randomised clinical trials to evaluate its efficacy	<a href="https://www.nejm.org/doi/full/10.1056/NEJMp2210125?query=TOC">https://www.nejm.org/doi/full/10.1056/NEJMp2210125?query=TOC</a>	
02/08/2022	medRxiv	Preprint	Testing, Tracing, and Vaccination Targets for Containment of the US Monkeypox Outbreak: A Modeling Study	Levels of community testing, contact tracing, and vaccination required to reduce the effective reproduction number (Rt) of Monkeypox Virus (MPXV) below 1 for high risk men who have sex with men were estimated.	<a href="https://www.medrxiv.org/content/10.1101/2022.08.01.22278199v1">https://www.medrxiv.org/content/10.1101/2022.08.01.22278199v1</a>	
02/08/2022	medRxiv	Preprint	Potential anti-monkeypox virus activity of atovaquone, mefloquine, and molnupiravir, and their potential use as treatments	In this study, from a screening of approved-drug libraries using an MPXV infection cell system, atovaquone, mefloquine, and molnupiravir exhibited anti-MPXV activity.	<a href="https://www.biorxiv.org/content/10.1101/2022.08.02.502485v1">https://www.biorxiv.org/content/10.1101/2022.08.02.502485v1</a>	
02/08/2022	Lancet Infect Dis	Comment	Monkeypox: how will we know if the treatments work?	A discussion on the definition of primary endpoints in clinical trial to evaluate monkeypox treatment efficacy	<a href="https://doi.org/10.1016/S1473-3099(22)00514-X">https://doi.org/10.1016/S1473-3099(22)00514-X</a>	
02/08/2022	British Journal of Dermatology	Research article	Monkeypox outbreak in Spain: clinical and epidemiological findings in a prospective cross-sectional study of 185 cases	Most cases started with primarily localised homogeneous papules, not pustules, in the probable area of inoculation, which could be cutaneous or mucous, including single lesions. Generalised small pustules appeared later in some of them. Heterogeneous lesions occurred during this generalised phase. All patients had systemic symptoms. Less common lesions included mucosal ulcers (including pharyngeal ulcers and proctitis) and monkeypox whitlows. The clinical findings in this outbreak differ from previous findings and highly suggest contact transmission and initiation at the entry site. The characterisation of the epidemiology of this outbreak has implications for control.	<a href="https://onlinelibrary.wiley.com/doi/10.1111/bjd.21790">https://onlinelibrary.wiley.com/doi/10.1111/bjd.21790</a>	

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02/08/2022	Lancet Infect Dis	Comment	Monkeypox virus isolation from a semen sample collected in the early phase of infection in a patient with prolonged seminal viral shedding	Case report supporting that prolonged shedding of monkeypox virus DNA can occur in the semen of infected patients for weeks after symptoms onset, and that semen collected in the acute phase of infection (day 6 after symptom onset) might contain a replication-competent virus and represent a potential source of infection.	<a href="https://doi.org/10.1016/S1473-3099(22)00513-8">https://doi.org/10.1016/S1473-3099(22)00513-8</a>	
01/08/2022	Lancet	Comment	Monkeypox as a PHEIC: implications for global health governance	The Emergency Committee was intended to turn PHEIC decision making into a technical process and control the political discretion of a Director-General.	<a href="https://doi.org/10.1016/S0140-6736(22)01437-4">https://doi.org/10.1016/S0140-6736(22)01437-4</a>	
31/07/2022	medRxiv	Preprint	A new and efficient enrichment method for metagenomic sequencing of monkeypox virus	Evaluation of a new fine-tuned method for extraction and enrichment of genomic MPXV DNA using clinical samples and to compare it to a non-enrichment metagenomic approach.	<a href="https://www.medrxiv.org/content/10.1101/2022.07.29.22278145v1">https://www.medrxiv.org/content/10.1101/2022.07.29.22278145v1</a>	
30/07/2022	medRxiv	Preprint	The global landscape of susceptibility to orthopoxviruses: The legacy of smallpox vaccination	Characterisation of the fine-scale global spatial landscape of orthopoxvirus vulnerability based on geographical heterogeneity in demography and past smallpox vaccination program features, including vaccination coverage and cessation dates.	<a href="https://www.medrxiv.org/content/10.1101/2022.07.29.22278217v1">https://www.medrxiv.org/content/10.1101/2022.07.29.22278217v1</a>	
29/07/2022	Emerg Infect Dis	Research article	Rapid Adaptation of Established High-Throughput Molecular Testing Infrastructure for Monkeypox Virus Detection	Adaptation of 2 published quantitative PCRs for use as a dual-target monkeypox virus test on widely used automated high-throughput PCR systems.	<a href="https://doi.org/10.3201/eid2809.220917">https://doi.org/10.3201/eid2809.220917</a>	
29/07/2022	Lancet	Editorial	Monkeypox: a global wake-up call	WHO's declaration on July 23 that the current monkeypox outbreak constitutes a Public Health Emergency of International Concern (PHEIC) was the first made against the advice of a majority of the emergency committee. It needs to serve as a global wake-up call. The question is whether it will prompt the escalated efforts required to control the outbreak.	<a href="https://doi.org/10.1016/S0140-6736(22)01422-2">https://doi.org/10.1016/S0140-6736(22)01422-2</a>	
29/07/2022	Lancet	Report	Monkeypox PHEIC decision hoped to spur the world to act	WHO has declared the global outbreak of monkeypox a Public Health Emergency of International Concern. John Zarocostas reports from Geneva.	<a href="https://doi.org/10.1016/S0140-6736(22)01419-2">https://doi.org/10.1016/S0140-6736(22)01419-2</a>	
29/07/2022	Lancet Infect Dis	Clinical picture	Ophthalmic manifestation of monkeypox infection	During the ongoing monkeypox outbreak, monkeypox should be included in the differential diagnosis of patients with vesicular and pustular eye lesions, especially in the presence of epidemiological links or risk factors.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00504-7/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00504-7/fulltext</a>	
28/07/2022	BMJ	Research article	Clinical features and novel presentations of human monkeypox in a central London centre during the 2022 outbreak: descriptive case series	Descriptive case series of 197 patients. A variable temporal association was observed between mucocutaneous and systemic features, suggesting a new clinical course to the disease. New clinical presentations of monkeypox infection were identified, including rectal pain and penile oedema.	<a href="https://doi.org/10.1136/bmj-2022-072410">https://doi.org/10.1136/bmj-2022-072410</a>	
27/07/2022	Eye	Research article	Ophthalmic manifestations of monkeypox virus	Description of the several yet frequent ophthalmic manifestations that are associated with this virus (including conjunctivitis and edema of the eyelids, and corneal involvement)	<a href="https://doi.org/10.1038/s41433-022-02195-z">https://doi.org/10.1038/s41433-022-02195-z</a>	
27/07/2022	Open Forum Infect Dis	Research article	Tecovirimat for the treatment of human monkeypox: an initial series from Massachusetts, United States	Results of tecovirimat treatment of three monkeypox patients in the USA.	<a href="https://doi.org/10.1093/ofid/ofac377">https://doi.org/10.1093/ofid/ofac377</a>	
26/07/2022	Nature	Editorial	Monkeypox: wealthy countries must avoid their COVID-19 mistakes	Having ignored the disease for decades, high-income countries must share vaccines and treatments quickly with other nations.	<a href="https://www.nature.com/articles/d41586-022-02036-9">https://www.nature.com/articles/d41586-022-02036-9</a>	
26/07/2022	medRxiv	Research article	Reproduction number of monkeypox in the early stage of the 2022 multi-country outbreak	The estimated reproduction number of hMPXV in the current outbreak is estimated to be 1.29 (95% CrI: 1.26, 1.33) by aggregating all cases in 70 countries as of July 22, 2022.	<a href="https://www.medrxiv.org/content/10.1101/2022.07.26.22278042v1">https://www.medrxiv.org/content/10.1101/2022.07.26.22278042v1</a>	
26/07/2022	BMJ	News	Monkeypox: WHO declares a public health emergency of international concern	The World Health Organization has declared the global monkeypox outbreak a public health emergency of international concern (PHEIC) as public health measures taken fail to stem the disease's spread.	<a href="https://doi.org/10.1136/bmj.o1874">https://doi.org/10.1136/bmj.o1874</a>	
25/07/2022	Lancet Preprints	Research article	Monkeypox Risk and Mortality Associated with HIV Infection: A National Case Control Study in Nigeria	HIV infection was associated with a higher risk of contracting and dying from monkeypox. STIs in monkeypox cases may be suggestive of high-risk sexual behaviours among these individuals.	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4172063">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4172063</a>	
25/07/2022	BioRxiv	Research article	Genetic variability, including gene duplication and deletion, in early sequences from the 2022 European monkeypox outbreak	Mutations identified among 47 genome sequenced may therefore represent an early virus adaptation in the novel widespread and sustained human-to-human context of the current monkeypox outbreak.	<a href="https://www.biorxiv.org/content/10.1101/2022.07.23.501239v1">https://www.biorxiv.org/content/10.1101/2022.07.23.501239v1</a>	
25/07/2022	Nature	News	Monkeypox declared a global emergency: will it help contain the outbreaks?	Researchers have been warning that the window of opportunity to contain the global monkeypox outbreaks is rapidly closing. Monkeypox is already established in an animal reservoir in some parts of Africa, making eradication of the virus a difficult task. One fear is that the virus could spread from humans to animals elsewhere in the world, further establishing reservoirs from which humans can be infected repeatedly.	<a href="https://www.nature.com/articles/d41586-022-02054-7">https://www.nature.com/articles/d41586-022-02054-7</a>	
23/07/2022	Science	News	WHO chief declares monkeypox an international emergency after expert panel fails to reach consensus	Narrow majority on Emergency Committee voted against ringing WHO's loudest alarm bell	<a href="https://www.science.org/content/article/declaring-monkeypox-an-international-emergency-who-chief-rejects-expert-panels-advice?">https://www.science.org/content/article/declaring-monkeypox-an-international-emergency-who-chief-rejects-expert-panels-advice?</a>	
22/07/2022	BMJ	News	Monkeypox: New clinical symptoms are identified in confirmed cases	The largest study of confirmed monkeypox cases to date has identified new clinical symptoms that are similar to those of syphilis and other sexually transmitted infections and could easily lead to misdiagnosis. These symptoms included single genital lesions and sores on the mouth or anal mucosa.	<a href="https://www.bmj.com/content/378/bmj.o1845?">https://www.bmj.com/content/378/bmj.o1845?</a>	
21/07/2022	medRxiv	Research article	Air and surface sampling for monkeypox virus in UK hospitals	Demonstration of significant contamination in isolation facilities and potential for aerosolisation of MPXV during specific activities. PPE contamination was observed after clinical contact and changing of bed linen.	<a href="https://www.medrxiv.org/content/10.1101/2022.07.21.22277864v1">https://www.medrxiv.org/content/10.1101/2022.07.21.22277864v1</a>	
21/07/2022	NEJM	Research article	Monkeypox Virus Infection in Humans across 16 Countries — April–June 2022	A case series reporting 528 infections, in which monkeypox manifested with a variety of dermatologic and systemic clinical findings.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMoa2207323">https://www.nejm.org/doi/full/10.1056/NEJMoa2207323</a>	
21/07/2022	Eurosurveill.	Research article	Paediatric monkeypox patient with unknown source of infection, the Netherlands, June 2022	We describe a paediatric case of MPX in the Netherlands. We were not able to identify any possible source of the infection. Whole genome sequencing positioned the patient's sequence within the clade 3 lineage B.1.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.29.2200552">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.29.2200552</a>	

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20/07/2022	Nature Review Microbiol	Comment	Monkeypox virus: a neglected zoonotic pathogen spreads globally	The ongoing monkeypox outbreak in non-endemic countries is likely to be a consequence of the failure to curtail the spread of the disease in endemic regions of Africa despite decades of constant outbreaks. A globally driven one health approach to prevention and treatment of the disease is essential to control present and future outbreaks.	<a href="https://www.nature.com/articles/s41579-022-00776-z">https://www.nature.com/articles/s41579-022-00776-z</a>	
20/07/2022	bioRxiv	Research article	Tecovirimat is highly efficient on the Monkeypox virus lineage responsible for the international 2022 outbreak	Sequencing and isolation of the first monkeypox genome detected in France in 2022. In vitro, the strain was susceptible to tecovirimat.	<a href="https://www.biorxiv.org/content/10.1101/2022.07.19.500484v2">https://www.biorxiv.org/content/10.1101/2022.07.19.500484v2</a>	
19/07/2022	Science	Editorial	Confronting 21st-century monkeypox	Although many tools are needed to control this unfolding pandemic, it's clear that limiting ongoing spread will require a comprehensive international vaccination strategy and adequate supplies.	<a href="https://www.science.org/doi/10.1126/science.add9651">https://www.science.org/doi/10.1126/science.add9651</a>	
18/07/2022	Lancet Preprints	Preprint	Clinical Presentation and Virological Assessment of Confirmed Human Monkeypox Virus Cases in Spain : A Prospective Cohort Study	Clinical characteristics of a cohort of monkeypox cases in Spain. Individuals presented mostly genital, perianal, and oral lesions and complications like proctitis and tonsillitis. Lesion swabs show much higher viral loads, suggesting close contact is likely to be the dominant transmission route in the current outbreak.	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4162718">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4162718</a>	
17/07/2022	medRxiv	Preprint	Susceptibility to monkeypox virus infection: seroprevalence of orthopoxvirus in 4 population samples; France, Bolivia, Laos and Mali	Antibodies neutralizing vaccinia virus were tested in blood samples from Bolivia, Laos, Mali and France. Extensive cross-immunity was confirmed between cowpox and monkeypox. Populations tested in Europe, Africa, Asia and South-America are massively susceptible to orthopoxvirus infections.	<a href="https://www.medrxiv.org/content/10.1101/2022.07.15.22277661v1">https://www.medrxiv.org/content/10.1101/2022.07.15.22277661v1</a>	
15/07/2022	Environmental Microbiology	Research article	Infection-competent monkeypox virus contamination identified in domestic settings following an imported case of monkeypox into the UK	This report confirms the potential for infection-competent monkeypox virus to be recovered in environmental settings associated with known positive cases and the necessity for rapid environmental assessment to reduce potential exposure to close contacts and the general public.	<a href="https://sfamjournals.onlinelibrary.wiley.com/doi/10.1111/1462-2920.16129">https://sfamjournals.onlinelibrary.wiley.com/doi/10.1111/1462-2920.16129</a>	
15/07/2022	MMWR	Research article	Rapid Diagnostic Testing for Response to the Monkeypox Outbreak - Laboratory Response Network, United States, May 17-June 30, 2022	As part of public health preparedness for infectious disease threats, CDC collaborates with other U.S. public health officials to ensure that the Laboratory Response Network (LRN) has diagnostic tools to detect Orthopoxviruses. To further facilitate access to testing, CDC and LRN are supporting five large commercial laboratories.	<a href="https://doi.org/10.15585/mmwr.mm7128e1">https://doi.org/10.15585/mmwr.mm7128e1</a>	
14/07/2022	J Infect Dis	Research article	Geographic structuring and divergence time frame of monkeypox virus in the endemic region	Depending on the model used, we estimated that the two clades separated ~560-860 (HPD: 450-960) years ago, a period characterized by expansions and contractions of rainforest areas, possibly creating the ecological conditions for the MPXV reservoir(s) to migrate.	<a href="https://academic.oup.com/jid/advance-article/doi/10.1093/infdis/jiac298/6643513?login=false">https://academic.oup.com/jid/advance-article/doi/10.1093/infdis/jiac298/6643513?login=false</a>	
14/07/2022	Eurosurveill.	Research article	Frequent detection of monkeypox virus DNA in saliva, semen, and other clinical samples from 12 patients, Barcelona, Spain, May to June 2022	Characterisation of viral shedding to better understand the possible role of different bodily fluids in disease transmission and investigation of presence of MPX virus DNA in saliva, rectal swab, nasopharyngeal swab, semen, urine and faecal samples, from 12 MPX patients in Barcelona, Spain.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.28.2200503">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.28.2200503</a>	
14/07/2022	Trop Med Infect Dis	Research article	When a Neglected Tropical Disease Goes Global: Knowledge, Attitudes and Practices of Italian Physicians towards Monkeypox, Preliminary Results	In summary, the significant extent of knowledge gaps and the erratic risk perception, associated collectively stress the importance of appropriate information campaigns among first-line medical professionals.	<a href="https://www.mdpi.com/2414-6366/7/7/135">https://www.mdpi.com/2414-6366/7/7/135</a>	
13/07/2022	Nature Med	Editorial	A prospective national cohort evaluating ring MVA vaccination as post-exposure prophylaxis for monkeypox	To evaluate the efficacy of PEP vaccination on secondary transmission of monkeypox, the AP-HP, in collaboration with the I-REIVAC network and ANRS MIE, has launched the Monkey Vax study.	<a href="https://www.nature.com/articles/d41591-022-00077-1">https://www.nature.com/articles/d41591-022-00077-1</a>	
13/07/2022	Travel Med Infect Dis	Research article	Phylogenomic analysis of the monkeypox virus (MPXV) 2022 outbreak: Emergence of a novel viral lineage?	This analysis revealed that all MPXV genomes grouped into three monophyletic clades: two previously characterized clades and a newly emerging clade harboring genomes from the ongoing 2022 multi-country outbreak	<a href="https://www.sciencedirect.com/science/article/abs/pii/S147789392200148X">https://www.sciencedirect.com/science/article/abs/pii/S147789392200148X</a>	
12/07/2022	Emerg Infect Dis	Research article	Epidemiologic Features and Control Measures during Monkeypox Outbreak, Spain, June 2022	Epidemiologic features of cases reported in Spain and the coordinated measures taken to respond to the current outbreak.	<a href="https://doi.org/10.3201/eid2809.221051">https://doi.org/10.3201/eid2809.221051</a>	
11/07/2022	Infection	Case Report	Clinical and virological features of first human monkeypox cases in Germany	Monkeypox requires rapid diagnosis and prompt public health response. The disease should be considered in the current situation especially the differential diagnosis of vesicular or pustular rash, particularly in patients with frequent sexual contacts. Most importantly, it is essential to raise awareness among all health professionals for the rapid and correct recognition and diagnosis of this disease, which is probably still underreported in Europe	<a href="https://link.springer.com/article/10.1007/s15010-022-01874-z">https://link.springer.com/article/10.1007/s15010-022-01874-z</a>	
11/07/2022	Infect Control Hosp Epidemiol	Research article	Development and deployment of tools for rapid response notification of Monkeypox exposure, exposure risk assessment and stratification, and symptom monitoring	Timely and comprehensive evaluation of potential HCP exposures is necessary but presents logistical challenges. Rapid development of monkeypox-specific solutions using REDCap facilitated flexibility in design and approach	<a href="https://doi.org/10.1017/ice.2022.167">https://doi.org/10.1017/ice.2022.167</a>	
10/07/2022	J Infect	Research article	Monkeypox outbreak in Madrid (Spain): clinical and virological aspects	Observational study on clinical and virological aspects of cases diagnosed in Madrid (Spain) (May/June 2022)	<a href="https://doi.org/10.1016/j.jinf.2022.07.005">https://doi.org/10.1016/j.jinf.2022.07.005</a>	
08/07/2022	<a href="https://virological.org">Virological.org</a>	Research article	First Monkeypox virus sequence from northern Mexico	We report a complete genome of the first monkeypox case detected in Nuevo León, Mexico.	<a href="https://virological.org/t/first-monkeypox-virus-sequence-from-northern-mexico/882">https://virological.org/t/first-monkeypox-virus-sequence-from-northern-mexico/882</a>	
08/07/2022	Clin Microbiol Infect	Research article	Estimation of local transmissibility in the early phase of monkeypox epidemic in 2022	Currently, monkeypox has a sustainable outbreak potential and may challenge healthcare systems, mainly due to declines in the population level immunity to Orthopoxviruses since the cessation of routine smallpox vaccination. Smallpox vaccination has been shown to be effective in protecting (up to 85% effectiveness) against monkeypox infection in earlier times. So early post-exposure vaccination is currently being offered in an attempt to control its spread.	<a href="https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(22)00340-8/fulltext">https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(22)00340-8/fulltext</a>	
07/07/2022	Eurosurveill.	Research article	A shift from travel-associated cases to autochthonous transmission with Berlin as epicentre of the monkeypox outbreak in Germany, May to June 2022	This report describes the epidemiology of MPX in Germany and the shift from travel-associated to autochthonous transmission in Berlin, the epicentre of the outbreak in Germany	<a href="https://doi.org/10.2807/1560-7917.es.2022.27.27.2200499">https://doi.org/10.2807/1560-7917.es.2022.27.27.2200499</a>	
07/07/2022	Eurosurveill.	Research article	Monkeypox outbreak predominantly affecting men who have sex with men, Madrid, Spain, 26 April to 16 June 2022	Description of the clinical and epidemiological investigations of 508 cases reported from 17 May to 22 June in Madrid region, and the applied containment strategy.	<a href="https://doi.org/10.2807/1560-7917.es.2022.27.27.2200471">https://doi.org/10.2807/1560-7917.es.2022.27.27.2200471</a>	

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07/07/2022	BioRxiv	Research article	The emergence of new lineages of the Monkeypox virus could affect the 2022 outbreak	In conclusion, the mutations identified in the present study have not yet been associated with genetic alterations, significant changes in the transmission route, mean age, signs/symptoms at the clinical presentation, and their evolution could be detected. Therefore, further research in the field is needed since our findings need to be confirmed by new studies.	<a href="https://www.biorxiv.org/content/10.1101/2022.07.07.498743v1.full.pdf+html">https://www.biorxiv.org/content/10.1101/2022.07.07.498743v1.full.pdf+html</a>	
06/07/2022	Lancet Reg Health Americas	Comment	Latin America: Situation and preparedness facing the multi-country human monkeypox outbreak	Despite its still moderate risk for expansion, allocation of necessary resources, strengthening epidemiological surveillance systems, and increased capacity building should be promptly prioritized in Latin American countries to detect imported cases and limit onward transmission (including autochthonous cases), which is expected to occur after the arrival imported cases. Latin America, fortunately, is now more prepared to confront new epidemic threats, as in the case of MPX.	<a href="https://www.sciencedirect.com/science/article/pii/S2667193X22001351?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2667193X22001351?via%3Dihub</a>	
06/07/2022	Int J Infect Dis	Research article	Enhanced surveillance of monkeypox in Bas-Uélé, Democratic Republic of Congo: the limitations of symptom-based case definitions	Few discriminating features were identified and the performance of clinical case definitions was suboptimal. Rapid field diagnostics are needed to optimize early detection and surveillance of monkeypox.	<a href="https://doi.org/10.1016/j.ijid.2022.06.060">https://doi.org/10.1016/j.ijid.2022.06.060</a>	
06/07/2022	Int J Health Plan Manag	Correspondence	Monkeypox outbreak – No panic and stigma; Only awareness and preventive measures can halt the pandemic turn of this epidemic infection	Public awareness, appropriate preventive measures, rapid identification and isolation of cases, contact tracing, and proper treatment are recommended to prevent the pandemic turn of this epidemic infection.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/hpm.3539">https://onlinelibrary.wiley.com/doi/10.1002/hpm.3539</a>	
05/07/2022	BMJ	News	Monkeypox: Symptoms seen in London sexual health clinics differ from previous outbreaks, study finds	Monkeypox symptoms seen in patients attending four sexual health clinics in London appear to differ from those seen in previous outbreaks in Nigeria, Sudan, and the US, a study has found.	<a href="https://www.bmj.com/content/378/bmj.o1659?">https://www.bmj.com/content/378/bmj.o1659?</a>	
02/07/2022	Lancet Infect Dis	Research article	Demographic and clinical characteristics of confirmed human monkeypox virus cases in individuals attending a sexual health centre in London, UK: an observational analysis	Description of demographic and clinical characteristics of 54 patients diagnosed with human monkeypox virus attending a sexual health centre in the UK.	<a href="https://doi.org/10.1016/S1473-3099(22)00411-X">https://doi.org/10.1016/S1473-3099(22)00411-X</a>	
02/07/2022	Lancet	Correspondence	Guidelines for pregnant individuals with monkeypox virus exposure	Here, we propose a clinical management algorithm for pregnant women with suspected monkeypox virus exposure.	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01063-7/fulltext?dgcid=raven_jbs_etoc_email">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01063-7/fulltext?dgcid=raven_jbs_etoc_email</a>	
02/07/2022	Lancet	Correspondence	Monkeypox genomic surveillance will challenge lessons learned from SARS-CoV-2	Therefore, the constant sequencing of full monkeypox virus genomes is of utmost importance to detect not only single nucleotide polymorphisms but any intragenic frameshifts or premature stop codons, that might indicate initial signals of gene loss.	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01106-0/fulltext?dgcid=raven_jbs_etoc_email">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01106-0/fulltext?dgcid=raven_jbs_etoc_email</a>	
02/07/2022	Lancet	Correspondence	The monkeypox outbreak is amplifying hidden voices in the global discourse	Importantly, monkeypox has been known to cause human disease for over 50 years and is endemic in at least ten countries in west and central Africa with over a thousand incidences reported in the Democratic Republic of the Congo in the first 3 months of 2022 alone. 3 Specialists in these countries have decades of experience managing such outbreaks, often with little support, and have repeatedly warned of the potential for monkeypox's globalisation and the need for affordable tools and improved surveillance.	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01187-4/fulltext?dgcid=raven_jbs_etoc_email">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01187-4/fulltext?dgcid=raven_jbs_etoc_email</a>	
01/07/2022	Lancet Reg Health Europe	Editorial	Lessons from COVID-19 are shaping the response to monkeypox outbreak	Some crucial lessons learnt from the COVID-19 pandemic, such as the importance of rapid responses and sharing information, have been immediately applied in this outbreak.	<a href="https://www.sciencedirect.com/science/article/pii/S2666776222001594?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2666776222001594?via%3Dihub</a>	
01/07/2022	Int J Infect Dis	Editorial	Vaccination for monkeypox prevention in persons with high-risk sexual behaviours to control on-going outbreak of monkeypox virus clade 3.	Since the expanding unusual global outbreak of monkeypox has so far primarily been limited to MSM, at least the safest smallpox vaccine should be offered to this group on a strictly voluntary basis as pre-exposure prophylaxis (PrEP) as part of a clinical trial to document protective efficacy and monitor adverse reactions.	<a href="https://www.ijidonline.com/article/S1201-9712(22)00378-2/fulltext">https://www.ijidonline.com/article/S1201-9712(22)00378-2/fulltext</a>	
01/07/2022	BMJ	News	Monkeypox—not doing enough is not an option	MPXV deserves more urgency; we are simply not doing enough and this is unacceptable, especially for a disease which has made its way to centre stage as a direct result of decades of inaction and neglect.	<a href="https://www.bmj.com/content/378/bmj.o1631?=&amp;utm_source=adestra&amp;utm_medium=email&amp;utm_campaign=usage&amp;utm_content=daily&amp;utm_term=text">https://www.bmj.com/content/378/bmj.o1631?=&amp;utm_source=adestra&amp;utm_medium=email&amp;utm_campaign=usage&amp;utm_content=daily&amp;utm_term=text</a>	
01/07/2022	Science	News	WHO monkeypox decision renews debate about global alarm system outbreaks	Discussion on the decision of the WHO not to declare MPX a Public Health Emergency of International Concern - yet.	<a href="https://www.science.org/content/article/who-monkeypox-decision-renews-debate-about-global-alarm-system-outbreaks?">https://www.science.org/content/article/who-monkeypox-decision-renews-debate-about-global-alarm-system-outbreaks?</a>	
01/07/2022	Science	News	There's a shortage of monkeypox vaccine. Could one dose instead of two suffice?	Considerations on a one-dose regimen to broaden the population that could get immunised.	<a href="https://www.science.org/content/article/there-s-shortage-monkeypox-vaccine-could-one-dose-instead-two-suffice?">https://www.science.org/content/article/there-s-shortage-monkeypox-vaccine-could-one-dose-instead-two-suffice?</a>	
01/07/2022	Science	News	WHO holds off on global alarm for monkeypox	Critics say the agency is often late to declare a "Public Health Emergency of International Concern".	<a href="https://www.science.org/content/article/who-monkeypox-decision-renews-debate-about-global-alarm-system-outbreaks">https://www.science.org/content/article/who-monkeypox-decision-renews-debate-about-global-alarm-system-outbreaks</a>	
29/06/2022	J Med Virol	Correspondence	Monkeypox Virus: A Zoonosis of Concern	An outbreak of Monkeypox detected in non-endemic regions outside Africa has received much attention around the globe. In this letter, we highlight epidemiology, pathogenesis, diagnosis and recommendations to mitigate the spread of Monkeypox.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.27968">https://onlinelibrary.wiley.com/doi/10.1002/jmv.27968</a>	
29/06/2022	medRxiv	Research article	Assessing transmission risks and control strategy for monkeypox as an emerging zoonosis in a metropolitan area	Regions or communities with a higher proportion of gbMSM individuals need greater public health attention. Tracing and quarantine (or post-exposure vaccination) of contacts with MPX cases in high-risk groups would have a significant effect on controlling the spreading. Also, surveillance for animal infections would be prudent	<a href="https://www.medrxiv.org/content/10.1101/2022.06.28.22277038v1">https://www.medrxiv.org/content/10.1101/2022.06.28.22277038v1</a>	



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29/06/2022	BMJ	News	Monkeypox: What's behind WHO's decision not to declare a public health emergency?	Though WHO decided not to declare monkeypox a PHEIC—the highest level of alert the organisation can make—it “recognised that the convening of the committee itself reflects increasing concern about the international spread of monkeypox.” WHO's director general Tedros Adhanom Ghebreyesus said.	<a href="https://www.bmj.com/content/377/bmj.o1604">https://www.bmj.com/content/377/bmj.o1604</a>	
29/06/2022	JAMA	News	Global Monkeypox Outbreaks Spur Drug Research for the Neglected Disease	Overview on prevention and treatments for monkeypox.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2793925">https://jamanetwork.com/journals/jama/fullarticle/2793925</a>	
28/06/2022	Lancet Infect Dis	Comment	Does it matter who is spreading monkeypox?	The main question simply is how to reduce the average number of secondary cases per infected person to below 1. In this context, it also does not matter whether the infection mainly spreads within an MSM community or finds its way into other groups of the population. We can only speculate about the current value of R0 for monkeypox.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00431-5/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00431-5/fulltext</a>	
28/06/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	Monkeypox virus genome sequence from an imported case in Colombia	Here we report a complete genome and phylogenetic analysis of a monkeypox case detected in Colombia.	<a href="https://virological.org/t/monkeypox-virus-genome-sequence-from-an-imported-case-in-colombia/880">https://virological.org/t/monkeypox-virus-genome-sequence-from-an-imported-case-in-colombia/880</a>	
27/06/2022	Eurosurveill.	Research article	Evidence of surface contamination in hospital rooms occupied by patients infected with monkeypox, Germany, June 2022	In this study monkeypox virus was successfully isolated from three different samples, each with a total of at least 106 virus copies. Thus, contaminated surfaces with such viral loads or higher, could potentially be infectious and it cannot be ruled out that their contact with especially damaged skin or mucous membranes, could result in transmission.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.26.2200477">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.26.2200477</a>	
27/06/2022	medRxiv	Preprint	Infection-competent monkeypox virus contamination identified in domestic settings following an imported case of monkeypox into the UK	This report from UKHSA confirms the potential for infection-competent monkeypox virus to be recovered in environmental settings associated with known positive cases and the necessity for rapid environmental assessment to reduce potential exposure to close contacts and the general public.	<a href="https://www.medrxiv.org/content/10.1101/2022.06.27.22276202v1">https://www.medrxiv.org/content/10.1101/2022.06.27.22276202v1</a>	
27/06/2022	Lancet Global Health	Comment	Monkeypox vaccines in pregnancy: lessons must be learned from COVID-19	Data on monkeypox infection in pregnancy are very limited. Currently, no vaccine against monkeypox is approved for use in pregnancy. Given that the number of exposed pregnant women, and the number of pregnant women willing to accept the monkeypox vaccine, is likely to be small, we propose a prospective international registry of pregnant women and other high-risk populations, so that the acquisition of data required for assessing safety and effectiveness can be expedited.	<a href="https://www.thelancet.com/journals/lanlgl/article/PIIS2214-109X(22)00284-4/fulltext">https://www.thelancet.com/journals/lanlgl/article/PIIS2214-109X(22)00284-4/fulltext</a>	
24/06/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	Whole genome sequences of Monkey pox virus from two cases in Madrid, Spain, May-June 2022	Here we present two genome sequences assembled by mapping long and short reads obtained by direct sequencing from vesicle fluid.	<a href="https://virological.org/t/whole-genome-sequences-of-monkey-pox-virus-from-two-cases-in-madrid-spain-may-june-2022/877">https://virological.org/t/whole-genome-sequences-of-monkey-pox-virus-from-two-cases-in-madrid-spain-may-june-2022/877</a>	
24/06/2022	J Autoimmun	Research article	The 2022 outbreak and the pathobiology of the monkeypox virus	Review of Monkeypox and its current outbreak.	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0896841122000634?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0896841122000634?via%3Dihub</a>	
24/06/2022	Lancet Microbe	Correspondence	Projected burden and duration of the 2022 Monkeypox outbreaks in non-endemic countries	Modelling of a monkeypox outbreak in a simulated population of 50 million people with socioeconomic and demographic characteristics typical of a high-income European country.	<a href="https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(22)00183-5/fulltext">https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(22)00183-5/fulltext</a>	
24/06/2022	Lancet Infect Dis	News	Global monkeypox outbreak	The threat of zoonotic diseases is once again highlighted as the current outbreak of monkeypox continues in multiple countries where it is not usually endemic.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00379-6/fulltext?dgcid=raven_jbs_etoc_email%20">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00379-6/fulltext?dgcid=raven_jbs_etoc_email%20</a>	
24/06/2022	Lancet Infect Dis	Correspondence	Tracking the 2022 monkeypox outbreak with epidemiological data in real-time	To support global response efforts, our team created an <a href="#">open-access database</a> and <a href="#">visualisation</a> to track the occurrence of cases in different countries.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00359-0/fulltext?dgcid=raven_jbs_etoc_email">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00359-0/fulltext?dgcid=raven_jbs_etoc_email</a>	
24/06/2022	Lancet Infect Dis	Comment	Monkeypox outbreaks outside endemic regions: scientific and social priorities	There are several unusual, atypical, and perplexing aspects of these outbreaks that are of major scientific, public health, and social concern.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00354-1/fulltext?dgcid=raven_jbs_etoc_email">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00354-1/fulltext?dgcid=raven_jbs_etoc_email</a>	
23/06/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	Monkeypox virus genome sequences from multiple lesions indicates co-infection of a UK returning traveller	Here we report five MPXV genome sequences from an infected person presenting with rash and fever in May 2022, and reporting a single exposure event following recent travel to Germany.	<a href="https://virological.org/t/monkeypox-virus-genome-sequences-from-multiple-lesions-indicates-co-infection-of-a-uk-returning-traveller/873">https://virological.org/t/monkeypox-virus-genome-sequences-from-multiple-lesions-indicates-co-infection-of-a-uk-returning-traveller/873</a>	
23/06/2022	medRxiv	Preprint	Estimating the incubation period of monkeypox virus during the 2022 multi-national outbreak	US CDC study on incubation period in this outbreak. The mean incubation period from exposure to first symptom onset was 7.6 days (95% credible interval: 6.2 - 9.7), and the 95th percentile was 17.1 days (95% CrI: 12.7 - 24.3).	<a href="https://www.medrxiv.org/content/10.1101/2022.06.22.22276713v1">https://www.medrxiv.org/content/10.1101/2022.06.22.22276713v1</a>	
23/06/2022	Infect Dis Now	Research article	The presumed receptivity and susceptibility to monkeypox of European animal species	It is zoonotic and had never previously been considered as capable of human-to-human transmission over more than nine viral generation cycles. While relevant animal reservoirs have yet to be identified, non-human primates (NHP) are only accidental hosts.	<a href="https://www.sciencedirect.com/science/article/pii/S2666991922001221?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2666991922001221?via%3Dihub</a>	
23/06/2022	Nature Med	Research article	Phylogenomic characterization and signs of microevolution in the 2022 multi-country outbreak of monkeypox virus	MPXV from this outbreak belongs to clade 3 and that the outbreak most likely has a single origin, followed by continuous accelerated evolution.	<a href="https://www.nature.com/articles/s41591-022-01907-y">https://www.nature.com/articles/s41591-022-01907-y</a>	
23/06/2022	Nature	Editorial	Monkeypox in Africa: the science the world ignored	African researchers have been warning about monkeypox outbreaks for years. As vaccines are deployed globally, they worry they will be left behind.	<a href="https://www.nature.com/articles/d41586-022-01686-z">https://www.nature.com/articles/d41586-022-01686-z</a>	
22/06/2022	BMJ	News	Monkeypox: Gay and bisexual men with high exposure risk will be offered vaccine in England	Gay and bisexual men at high risk of exposure to monkeypox will be offered the smallpox vaccine (Imvanex) to help control the recent monkeypox outbreak, the UK Health Security Agency (UKHSA) has said	<a href="https://www.bmj.com/content/377/bmj.o1542?&amp;utm_source=adestra&amp;utm_medium=email&amp;utm_campaign=usage&amp;utm_content=daily&amp;utm_term=text">https://www.bmj.com/content/377/bmj.o1542?&amp;utm_source=adestra&amp;utm_medium=email&amp;utm_campaign=usage&amp;utm_content=daily&amp;utm_term=text</a>	

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22/06/2022	<a href="#">Virological.org</a>	Research article	A draft of the first genome sequence of Monkeypox virus associated with the multi-country outbreak in May 2022 from the Canary Islands, Spain	Here we describe the draft sequences of the first MPVX viral genome isolated in the Canary Islands the 31 May 2022 from a male adult patient with one week-onset mild symptoms (fever, odynophagia) and presenting at ER but not necessitating hospital admission.	<a href="https://virological.org/t/a-draft-of-the-first-genome-sequence-of-monkeypox-virus-associated-with-the-multi-country-outbreak-in-may-2022-from-the-canary-islands-spain/864">https://virological.org/t/a-draft-of-the-first-genome-sequence-of-monkeypox-virus-associated-with-the-multi-country-outbreak-in-may-2022-from-the-canary-islands-spain/864</a>	
21/06/2022	<a href="#">Virological.org</a>	Research article	Two draft Canadian monkeypox virus (MPXV) genomes, June 2022	Here we report on two MPXV genomes sequenced at the Alberta Precision Laboratories, Public Health Laboratory.	<a href="https://virological.org/t/two-draft-canadian-monkeypox-virus-mpxv-genomes-june-2022/870">https://virological.org/t/two-draft-canadian-monkeypox-virus-mpxv-genomes-june-2022/870</a>	
21/06/2022	Lancet	Editorial	Guidelines for pregnant individuals with monkeypox virus exposure	Proposal of a clinical management algorithm for pregnant women with suspected monkeypox virus exposure.	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01063-7/fulltext">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01063-7/fulltext</a>	
20/06/2022	Science	Editorial	Why the monkeypox outbreak is mostly affecting men who have sex with men	A discussion on the reasons of the high rate of infections in MSM, exploring sexual networks and societal patterns. Highlight on the importance of alerting the MSM community while not stigmatising.	<a href="https://www.science.org/content/article/why-the-monkeypox-outbreak-is-mostly-affecting-men-who-have-sex-with-men">https://www.science.org/content/article/why-the-monkeypox-outbreak-is-mostly-affecting-men-who-have-sex-with-men</a>	
20/06/2022	Nature	Editorial	The paradigm shift in monkeypox epidemiology	Call for further research to confirm the sexual transmission of monkeypox and share insight on the association of HIV with sexual transmission. African countries need to step up their monkeypox disease surveillance activities	<a href="https://www.nature.com/articles/d44148-022-00087-8">https://www.nature.com/articles/d44148-022-00087-8</a>	
18/06/2022	J Hosp Infect	Research article	Efficacy of heat against the vaccinia virus, variola virus and monkeypox virus	Published data were reviewed to find out which temperature and exposure time are necessary for the inactivation of orthopoxviruses.	<a href="https://www.journalofhospitalinfection.com/article/S0195-6701(22)00196-7/fulltext">https://www.journalofhospitalinfection.com/article/S0195-6701(22)00196-7/fulltext</a>	
18/06/2022	Lancet	Report	Investigating monkeypox	Report about monkeypox in general	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01096-0/fulltext">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01096-0/fulltext</a>	
17/06/2022	<a href="#">Virological.org</a>	Research article	Minlon-produced Illumina-confirmed genomes of the two first isolated cases from France	Monkeypox virus genomes were isolated from the first two French cases received at the National Reference Center for orthopoxviruses (CNR OPXV). The two isolates, from male patients, were collected at the CNR OPXV on May 19th and 20th. The first patient (IRBA22-11) declared no history of overseas traveling, while the second (IRBA22-14) participated to an international gathering at the Canary Islands, Spain.	<a href="https://virological.org/t/minion-produced-illumina-confirmed-genomes-of-the-two-first-isolated-cases-from-france/868">https://virological.org/t/minion-produced-illumina-confirmed-genomes-of-the-two-first-isolated-cases-from-france/868</a>	
16/06/2022	Eurosurveill.	Research article	Estimated incubation period for monkeypox cases confirmed in the Netherlands, May 2022	The estimated mean incubation period is in line with previous findings for complex, invasive exposure to monkeypox. The estimated percentage of monkeypox cases that would develop symptoms after the conclusion of 21 days period is approximately two per cent. These findings suffice for justifying the current use of 21 days for quarantining (or other approaches to avoid infectious contacts), but as the outbreaks grow and cases can be infected via different transmission routes, continued monitoring of the incubation period for monkeypox is necessary.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.24.2200448">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.24.2200448</a>	
16/06/2022	Eurosurveill.	Editorial	Monkeypox in Europe and beyond – tackling a neglected disease together	The role of ECDC and WHO/Europe is to shape the environment, in such a way that conditions for an effective response are met. We believe there are several critical requirements for an effective response in Europe and our organisations will act together within their individual mandates to achieve them.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.24.2200482">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.24.2200482</a>	
16/06/2022	Nature	News	Research gaps and uncertainties on Monkey pox outbreak outlook	Knowledge gaps in research may hinder global response to the current outbreak of monkeypox, a viral disease that is endemic in several African countries. The outbreak has been growing in other countries beyond Africa, sending warning signals around the world	<a href="https://www.nature.com/articles/d44148-022-00084-x?utm_source=natafrica_etoc&amp;utm_medium=email&amp;utm_campaign=toc_44148_&amp;utm_content=20220617">https://www.nature.com/articles/d44148-022-00084-x?utm_source=natafrica_etoc&amp;utm_medium=email&amp;utm_campaign=toc_44148_&amp;utm_content=20220617</a>	
16/06/2022	Ann Intern Med	Opinion	Monkeypox: Avoiding the Mistakes of Past Infectious Disease Epidemics	The epidemiology of an emerging infection may change over time, but early associations with a specific population made by the public, clinicians, and health agencies often persist. This may result in stigma and misguided confidence that an outbreak is contained within that population. Accurate description of the epidemiology of an infectious disease is essential to public health efforts.	<a href="https://www.acpjournals.org/doi/10.7326/M22-1748">https://www.acpjournals.org/doi/10.7326/M22-1748</a>	
16/06/2022	BMJ	News	Monkeypox: WHO to rename disease to prevent stigma	World Health Organization officials are working on a new name for the virus and disease commonly known as monkeypox in order to reduce racism and stigma.	<a href="https://www.bmj.com/content/377/bmj.o1489">https://www.bmj.com/content/377/bmj.o1489</a>	
15/06/2022	Lancet	Correspondence	Monkeypox in the UK: arguments for a broader case definition	Confirmed cases lack a travel history or contact with travel-related cases or with west or central Africa, so we strongly urge for the UKHSA's case definition to be re-evaluated.	<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01101-1/fulltext">https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01101-1/fulltext</a>	
15/06/2022	NEJM	Report	Case 24-2022: A 31-Year-Old Man with Perianal and Penile Ulcers, Rectal Pain, and Rash	A case record of a 31-year-old man was admitted to this hospital because of perianal and penile ulcers, rectal pain, and vesiculopustular rash, and ultimately diagnosed with MKP.	<a href="https://www.nejm.org/doi/full/10.1056/NEJMcpc2201244?query=featured_home">https://www.nejm.org/doi/full/10.1056/NEJMcpc2201244?query=featured_home</a>	
15/06/2022	NEJM	Report	Monkeypox Genital Lesions	An article of the NEJM's "images in clinical medicine" series describing monkeypox genital lesion in a 31 year-old man	<a href="https://www.nejm.org/doi/full/10.1056/NEJMicm2206893?query=featured_home">https://www.nejm.org/doi/full/10.1056/NEJMicm2206893?query=featured_home</a>	
14/06/2022	Travel Med Infect Dis	Correspondence	Sexually or intimately transmitted infections: A look at the current outbreak of monkeypox in 2022	The most recent outbreak of Monkeypox (MPXV) in 2022 has brought new light to the importance of this mechanism in the dissemination of an emerging pathogen.	<a href="https://pubmed.ncbi.nlm.nih.gov/35714856/">https://pubmed.ncbi.nlm.nih.gov/35714856/</a>	
14/06/2022	Nature	News	Saving energy, monkeypox's march — the week in infographics	As global monkeypox cases continue to rise, public-health officials and researchers are questioning whether the current outbreaks can be contained.	<a href="https://www.nature.com/articles/d41586-022-01661-8">https://www.nature.com/articles/d41586-022-01661-8</a>	
14/06/2022	Ann Intern Med	Comment	Adding New Fuel to the Fire: Monkeypox in the Time of COVID-19—Implications for Health Care Personnel	As the monkeypox outbreak grows, health care workers must understand the threat and be prepared to address an infectious disease risk that may herald yet another unprecedented epidemic.	<a href="https://www.acpjournals.org/doi/10.7326/M22-1763">https://www.acpjournals.org/doi/10.7326/M22-1763</a>	



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13/06/2022	medRxiv	Preprint	Heavy-tailed sexual contact networks and the epidemiology of monkeypox outbreak in non-endemic regions, May 2022	Transmission model fitted to empirical sexual partnership data in the UK showing that the heavy-tailed nature of the sexual partnership degree distribution, where a small fraction of individuals have disproportionately large numbers of partners, can explain the sustained growth of monkeypox cases among the MSM population despite the absence of such patterns of spread in past outbreaks.	<a href="https://www.medrxiv.org/content/10.1101/2022.06.13.22276353v1">https://www.medrxiv.org/content/10.1101/2022.06.13.22276353v1</a>	
13/06/2022	JAMA	Viewpoint	Monkeypox in 2022—What Clinicians Need to Know	Monkeypox virus is a highly contagious orthopoxvirus that is currently causing a global outbreak, primarily among men who have sex with men. Control of this growing international outbreak will require careful coordination among public health officials, clinicians, and the community to disseminate information, obtain appropriate diagnostic testing, implement contact tracing, and ensure that affected individuals and their contacts have access to medical care.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2793516">https://jamanetwork.com/journals/jama/fullarticle/2793516</a>	
13/06/2022	<a href="https://virological.org">Virological.org</a>	Research article	MPXV intrahost variation in the context of APOBEC deamination: An initial look	If APOBEC is indeed partially responsible for introducing nucleotide changes to MPXV genome in humans, we should be able to observe these changes in intrahost samples with intermediate alternative allele frequencies.	<a href="https://virological.org/t/mpxv-intrahost-variation-in-the-context-of-apobec-deamination-an-initial-look/856">https://virological.org/t/mpxv-intrahost-variation-in-the-context-of-apobec-deamination-an-initial-look/856</a>	
12/06/2022	J Med Virol	Research article	Epidemiological trends and clinical features of the ongoing monkeypox epidemic: a preliminary pooled data analysis and literature review	In the present preliminary report, we collected and synthesized early data concerning epidemiological trends and clinical features of the ongoing outbreak and we compared them with those of previous outbreaks.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.27931">https://onlinelibrary.wiley.com/doi/10.1002/jmv.27931</a>	
12/06/2022	<a href="https://virological.org">Virological.org</a>	Research article	Urgent need for a non-discriminatory and non-stigmatizing nomenclature for monkeypox virus	Although the origin of the new global MPXV outbreak is still unknown, there is growing evidence that the most likely scenario is that cross-continent, cryptic human transmission has been ongoing for longer than previously thought. However, there is an increasing narrative in the media and among many scientists that are trying to link the present global outbreak to Africa or West Africa, or Nigeria. Further, the use of geographical labels for strains of MPXV, specifically, references to the 2022 outbreak as belonging to the "West African" or "Western African" clade, strain, or genotype. We therefore believe that a nomenclature that is neutral, non-discriminatory and non-stigmatizing will be more appropriate for the global health community.	<a href="https://virological.org/t/urgent-need-for-a-non-discriminatory-and-non-stigmatizing-nomenclature-for-monkeypox-virus/853/1">https://virological.org/t/urgent-need-for-a-non-discriminatory-and-non-stigmatizing-nomenclature-for-monkeypox-virus/853/1</a>	
11/06/2022	<a href="https://virological.org">Virological.org</a>	Research article	First monkeypox virus genome sequence from Brazil	Here we report a near complete genome of the first confirmed monkeypox case detected in Brazil. A skin swab of the lesions (vesicle and crust) was collected on June 7th, 2022 at Emilio Ribas Institute of Infectious Diseases, from a male patient, aged 41 years old, and with a recent travel history to Portugal and Spain.	<a href="https://virological.org/t/first-monkeypox-virus-genome-sequence-from-brazil/850">https://virological.org/t/first-monkeypox-virus-genome-sequence-from-brazil/850</a>	
10/06/2022	MMWR	Research article	Monkeypox Outbreak — Nine States, May 2022	Epidemiological description of monkeypox cases in 9 US states and CDC recommendations	<a href="https://www.cdc.gov/mmwr/volumes/71/wr/mm7123e1.htm?s_cid=mm7123e1_w">https://www.cdc.gov/mmwr/volumes/71/wr/mm7123e1.htm?s_cid=mm7123e1_w</a>	
10/06/2022	Science	News	Rename monkeypox to remove geographic stigma, researchers say	These proposals would avoid reference to the West African and Congo Basin clade.	<a href="https://www.science.org/content/article/rename-monkeypox-remove-geographic-stigma-researchers-say">https://www.science.org/content/article/rename-monkeypox-remove-geographic-stigma-researchers-say</a>	
10/06/2022	Veterinary Quarterly	Correspondence	Is monkeypox another reemerging viral zoonosis with many animal hosts yet to be defined?	From the animal perspective, many questions must be addressed in addition to a more straightforward definition of the broad spectrum of susceptible hosts, and natural and experimental infections, among others. But even its origin. Monkeypox is a disease described in Europe, not in Africa.	<a href="https://www.tandfonline.com/doi/full/10.1080/01652176.2022.2088881">https://www.tandfonline.com/doi/full/10.1080/01652176.2022.2088881</a>	
10/06/2022	Eurosurveill.	Correspondence	Multiple introductions of MPX in Italy from different geographic areas	Here we share some considerations on the need to also take into account the possibility of monkeypox virus (MPXV) introduction from non-European countries during the course of the current outbreak, as suggested by the epidemiological investigations conducted in Italy on further confirmed recent monkeypox cases.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.23.2200456">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.23.2200456</a>	
09/06/2022	Lancet Infect Dis	Editorial	Monkeypox: a neglected old foe	The long experience in dealing with monkeypox from African doctors should be acknowledged and be an integral part of the discussion moving forward.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00377-2/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00377-2/fulltext</a>	
09/06/2022	Science	News	Monkeypox vaccination plans take shape amid questions	Efficacy of current smallpox vaccines against monkeypox remains unclear.	<a href="https://www.science.org/content/article/monkeypox-threat-grows-scientists-debate-best-vaccine-strategy">https://www.science.org/content/article/monkeypox-threat-grows-scientists-debate-best-vaccine-strategy</a>	
09/06/2022	JAMA	Research article	What Is Monkeypox?	Short summary of knowledge on monkeypox.	<a href="https://jamanetwork.com/journals/jama/fullarticle/2793383">https://jamanetwork.com/journals/jama/fullarticle/2793383</a>	
08/06/2022	<a href="https://virological.org">Virological.org</a>	Research article	UPDATE: Two draft genomes from Madrid, Spain, of the Monkeypox virus 2022 outbreak	This second draft genome corresponds to a 31 year-old male, HIV-positive, with non-severe clinical evolution.	<a href="https://virological.org/t/update-two-draft-genomes-from-madrid-spain-of-the-monkeypox-virus-2022-outbreak/848">https://virological.org/t/update-two-draft-genomes-from-madrid-spain-of-the-monkeypox-virus-2022-outbreak/848</a>	
08/06/2022	Lancet	Research article	Tracking the 2022 monkeypox outbreak with epidemiological data in real-time	To support global response efforts, our team created an open-access database and visualisation to track the occurrence of cases in different countries. In addition, where available, we added information on age (aggregated into age ranges, with a minimum range of 5 years), gender, dates of symptom onset and laboratory confirmation, symptoms, locations (aggregated to the state level), travel history, and additional metadata defined by WHO.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00359-0/fulltext">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00359-0/fulltext</a>	
08/06/2022	Science	News	Concern grows that human monkeypox outbreak will establish virus in animals outside Africa	New "reservoirs" could make outbreaks common and spawn new variants	<a href="https://www.science.org/content/article/concern-grows-human-monkeypox-outbreak-will-establish-virus-animals-outside-africa">https://www.science.org/content/article/concern-grows-human-monkeypox-outbreak-will-establish-virus-animals-outside-africa</a>	
08/06/2022	Nature	News	Monkeypox vaccination begins — can the global outbreaks be contained?	Some countries have begun to use smallpox vaccines to protect people exposed to the monkeypox virus. But researchers see challenges ahead.	<a href="https://www.nature.com/articles/d41586-022-01587-1">https://www.nature.com/articles/d41586-022-01587-1</a>	

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07/06/2022	Science	Editorial	As monkeypox threat grows, scientists debate best vaccine strategy	What role the MVA vaccine will ultimately play depends on a host of factors: whether those most at risk from infection can be identified and vaccinated, whether the vaccine is as effective as hoped, and whether enough is available to stop the burgeoning outbreak.	<a href="https://www.science.org/content/article/monkeypox-threat-grows-scientists-debate-best-vaccine-strategy">https://www.science.org/content/article/monkeypox-threat-grows-scientists-debate-best-vaccine-strategy</a>	
07/06/2022	AIDS Review	News	International outbreak of monkeypox in men having sex with men	General review of knowledge on monkeypox.	<a href="https://www.aidsreviews.com/resumen.php?id=1605">https://www.aidsreviews.com/resumen.php?id=1605</a>	
07/06/2022	Lancet Microbe	Editorial	Global human monkeypox outbreak: atypical presentation demanding urgent public health action	Discussion on the unique variation of the epidemiology of human monkeypox during this current outbreak, and the several issues it underlies.	<a href="https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(22)00153-7/fulltext">https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(22)00153-7/fulltext</a>	
06/06/2022	Irish Journal of Medical Science	Correspondence	Multinational monkeypox outbreak: what do we know and what should we do?	General review of knowledge on monkeypox.	<a href="https://link.springer.com/article/10.1007/s11845-022-03052-4">https://link.springer.com/article/10.1007/s11845-022-03052-4</a>	
05/06/2022	<a href="https://www.virological.org/">Virological.org</a>	Research article	Update to observations about putative APOBEC3 deaminase editing in the light of new genomes from USA	A substantial number of the 2022 genomes have unique or shared APOBEC3 mutations confirming this mechanism as being the likely source of most genetic single nucleotide variation in humans within this lineage of MPXV. If these APOBEC3 edits are specifically indicative of replication in humans as opposed to another host species then this would confirm this entire clade to be representative of the emergence of a human epidemic by 2017.	<a href="https://virological.org/t/update-to-observations-about-putative-apobec3-deaminase-editing-in-the-light-of-new-genomes-from-usa/847">https://virological.org/t/update-to-observations-about-putative-apobec3-deaminase-editing-in-the-light-of-new-genomes-from-usa/847</a>	
04/06/2022	The Veterinary Quarterly	Research article	Appearance and re-appearance of zoonotic disease during the pandemic period: Long-term monitoring and analysis of zoonosis is crucial to confirm the animal origin of SARS-CoV-2 and monkeypox virus	Scientists have noted significant host ranges of the virus for the monkeypox virus, such as monkeys, chimpanzees, rodents, prairie dogs, etc. Therefore, we should understand some essential points of the zoonosis of these two important viruses, such as animal origin, natural reservoir, intermediate hosts, virus spillover events (spillover time, and frequency of infecting the one host to another or reservoir to human), etc. We appeal for long-term monitoring through the teamwork of scientists involving the fields of wildlife biology, veterinary medicine, molecular biology, virology, health science, and computational biology.	<a href="https://www.tandfonline.com/doi/full/10.1080/01652176.2022.2086718">https://www.tandfonline.com/doi/full/10.1080/01652176.2022.2086718</a>	
03/06/2022	J Med Virol	Research article	Viruses monkeying around with surgical safety: Monkeypox preparedness in surgical settings	Although the future development of the epidemic situation can only be speculated, it poses a potential threat to the continuity of surgical care in the affected areas, if not globally. Consequently, developing MPX specific surgical safety protocols is a dire need.	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.27915">https://onlinelibrary.wiley.com/doi/10.1002/jmv.27915</a>	
03/06/2022	<a href="https://www.virological.org/">Virological.org</a>	Research article	Second draft genome from Spain of the Monkeypox virus 2022 outbreak	Report of a draft genome from a 36 year old male, HIV-negative, with a non-severe clinical evolution.	<a href="https://virological.org/t/second-draft-genome-from-spain-of-the-monkeypox-virus-2022-outbreak/846">https://virological.org/t/second-draft-genome-from-spain-of-the-monkeypox-virus-2022-outbreak/846</a>	
03/06/2022	<a href="https://www.virological.org/">Virological.org</a>	Research article	Travel-associated Monkeypox virus genomes from two German patients and of a derived virus isolate all closely related to a US sequence, 2022	Report the MPXV genome sequences of two male patients that presented symptomatic in the last week of May at the Freiburg University Medical Center, Germany, after traveling back from the Grand Canary Island, Spain.	<a href="https://virological.org/t/travel-associated-monkeypox-virus-genomes-from-two-german-patients-and-of-a-derived-virus-isolate-all-closely-related-to-a-us-sequence-2022/844">https://virological.org/t/travel-associated-monkeypox-virus-genomes-from-two-german-patients-and-of-a-derived-virus-isolate-all-closely-related-to-a-us-sequence-2022/844</a>	
02/06/2022	J Med Virol	Correspondence	Attaching a stigma to the LGBTQI+ community should be avoided during the monkeypox epidemic	Attaching a stigma to the LGBTQI+ community should be avoided during the monkeypox epidemic and LGBTQI+ members should be empowered in sexual health, adopting safe sexual behaviors, such as using condoms, immunizing against vaccine-preventable STIs, and protecting against HIV taking HIV pre-exposure prophylaxis (PrEP).	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.27913">https://onlinelibrary.wiley.com/doi/10.1002/jmv.27913</a>	
02/06/2022	Eurosurveill.	Research article	Community transmission of monkeypox in the United Kingdom, April to May 2022	Description of UK MKP cases, detailed epidemiology, and public health response	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200422">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200422</a>	
02/06/2022	Eurosurveill.	Research article	Epidemiological, clinical and virological characteristics of four cases of monkeypox support transmission through sexual contact, Italy, May 2022	Report on four monkeypox cases observed in Italy between 17 and 22 May 2022. Results support the hypothesis of a recent introduction of the West African clade in non-endemic countries. They also suggest that human-to-human transmission through close physical contact in sexual networks plays a key role in the current outbreak.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200421">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200421</a>	
02/06/2022	Eurosurveill.	Research article	Monkeypox infection presenting as genital rash, Australia, May 2022	Presentation of a case of monkeypox infection in an individual diagnosed in Australia after return from Europe.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200411">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200411</a>	
02/06/2022	Eurosurveill.	Research article	Ongoing monkeypox virus outbreak, Portugal, 29 April to 23 May 2022	Description of the preliminary results of the outbreak investigation and the epidemiological characteristics of 27 confirmed cases in Portugal.	<a href="https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200424#r11">https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2022.27.22.2200424#r11</a>	
02/06/2022	<a href="https://www.virological.org/">Virological.org</a>	Research article	First Israeli whole-genome sequence of Monkeypox virus associated with the May 2022 multi country outbreak	Report of the whole-genome sequence of a monkeypox virus strain isolated from a male patient on May 20, 2022. After traveling back from Belgium and Germany to Israel, he was hospitalized with pox-like lesions.	<a href="https://virological.org/t/first-israeli-whole-genome-sequence-of-monkeypox-virus-associated-with-the-may-2022-multi-country-outbreak/843">https://virological.org/t/first-israeli-whole-genome-sequence-of-monkeypox-virus-associated-with-the-may-2022-multi-country-outbreak/843</a>	
01/06/2022	Médecine et Maladies Infectieuses Formation	Research article	Saisonnalité de la variole du singe en Afrique : analyse des mois de survenue d'épidémies à partir d'une revue systématique de la littérature, 1970-2021	L'analyse des démarrages d'épidémies de la littérature met en évidence une saisonnalité marquée dans les zones tropicales et absente de la zone équatoriale. Cette différence marque un lien entre la survenue de cas zoonotiques et la saison « climatique », mais un décalage d'environ 6 mois est observé entre la saison sèche et la saison de moindre transmission. Ce décalage suggère que le lien avec les précipitations est indirect, et incite à investiguer les contacts humain/faune sauvage qui diffèrent selon la latitude et/ou le climat.	<a href="https://www.sciencedirect.com/science/article/abs/pii/S277243222001763">https://www.sciencedirect.com/science/article/abs/pii/S277243222001763</a>	
01/06/2022	Science	Editorial	Monkeypox is a new global threat. African scientists know what the world is up against	A discussion on disease epidemiology in Africa and outside of the continent. Although the international outbreak has -again- highlighted global health inequities, it has also brought much-needed attention to the smoldering disease in Africa.	<a href="https://www.science.org/content/article/monkeypox-is-a-new-global-threat-african-scientists-know-what-the-world-is-up-against">https://www.science.org/content/article/monkeypox-is-a-new-global-threat-african-scientists-know-what-the-world-is-up-against</a>	
01/06/2022	<a href="https://www.virological.org/">Virological.org</a>	Research article	First 2022 monkeypox outbreak genome sequences from Slovenia	Report of two complete MPXV genome sequences obtained in Slovenia, related to the recent worldwide outbreak.	<a href="https://virological.org/t/first-2022-monkeypox-outbreak-genome-sequences-from-slovenia/841">https://virological.org/t/first-2022-monkeypox-outbreak-genome-sequences-from-slovenia/841</a>	

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31/05/2022	J Infect	Research article	Transmission of monkeypox virus through sexual contact – A novel route of infection	MPX is classically transmitted through bodily fluids and close skin-to-skin contact from active lesions. While transmission during sexual intercourse has been suggested as a viable route, we report what we believe to be the first case of MPX infection with documented transmission through sex.	<a href="https://www.journalofinfection.com/article/S0163-4453(22)00335-8/fulltext">https://www.journalofinfection.com/article/S0163-4453(22)00335-8/fulltext</a>
31/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	First available Monkeypox genome sequence from the first case in Italy related to multi-country outbreak in May 2022	Report the genome from the first case in Italy. On May 18th, the first Italian case of the new outbreak was diagnosed. The case was a 39-years-old Italian man returning from Gran Canaria Island on May 17th.	<a href="https://virological.org/t/first-available-monkeypox-genome-sequence-from-the-first-case-in-italy-related-to-multi-country-outbreak-in-may-2022/833">https://virological.org/t/first-available-monkeypox-genome-sequence-from-the-first-case-in-italy-related-to-multi-country-outbreak-in-may-2022/833</a>
30/05/2022	<a href="https://www.virological.org">Virological.org</a>	Report	Initial observations about putative APOBEC3 deaminase editing driving short-term evolution of MPXV since 2017	This document is an initial report on the observation of an abundance of specific mutations in the 2022 MPXV outbreak and related virus genomes that can be ascribed to the action of APOBEC3 host enzymes. This makes 47 substitutions in the space of 3-4 (2017-2022) years an unexpectedly large number. As MPXV is considered a zoonotic virus with limited human to human transmission, this long branch may be evidence of adaptation to humans allowing for the sustained transmission that is now observed.	<a href="https://virological.org/t/initial-observations-about-putative-apobec3-deaminase-editing-driving-short-term-evolution-of-mpxv-since-2017/830">https://virological.org/t/initial-observations-about-putative-apobec3-deaminase-editing-driving-short-term-evolution-of-mpxv-since-2017/830</a>
29/05/2022	MedRxiv	Preprint	Clinical characterization of human monkeypox infections in the Democratic Republic of the Congo	Describe the results of a prospective observational study of the clinical natural history of human monkeypox virus (MPXV) infections at the remote General Hospital in Kole, DRC (Kole hospital), the rainforest of the Congo River basin of the Democratic Republic of the Congo (DRC) from March 2007 until August 2011.	<a href="https://www.medrxiv.org/content/10.1101/2022.05.26.22273379v1">https://www.medrxiv.org/content/10.1101/2022.05.26.22273379v1</a>
29/05/2022	MedRxiv	Preprint	Keep Calm and Carry On: Projected Case Burden and Duration of the 2022 Monkeypox Outbreak in Non-endemic Countries	Estimating size and duration of a monkeypox outbreak in a simulated population of 50 million people with socio-economic - and demographic characteristics typical of a high-income, European country.	<a href="https://www.medrxiv.org/content/10.1101/2022.05.28.22275721v1">https://www.medrxiv.org/content/10.1101/2022.05.28.22275721v1</a>
28/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	Illumina whole-genome sequence of Monkeypox virus in a patient travelling from the Canary Islands to France	Report the first french Monkeypox whole-genome sequence performed on Illumina platform, from a male patient returning from Canary Islands on 19 May 2022.	<a href="https://virological.org/t/illumina-whole-genome-sequence-of-monkeypox-virus-in-a-patient-travelling-from-the-canary-islands-to-france/829">https://virological.org/t/illumina-whole-genome-sequence-of-monkeypox-virus-in-a-patient-travelling-from-the-canary-islands-to-france/829</a>
27/05/2022	Lancet Infect Dis	Editorial	Monkeypox outbreaks outside endemic regions: scientific and social priorities	Discussion on the several unusual, atypical, and perplexing aspects of these outbreaks that are of major scientific, public health, and social concern.	<a href="https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00354-1/fulltext#_YpSSjNWWmTM_twitter">https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(22)00354-1/fulltext#_YpSSjNWWmTM_twitter</a>
27/05/2022	JAMA	Editorial	What to Know About Monkeypox	An overview on monkeypox, why its presentation in this outbreak is unusual, discussion about its transmission and available tools	<a href="https://jamanetwork.com/journals/jama/fullarticle/2793012">https://jamanetwork.com/journals/jama/fullarticle/2793012</a>
27/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	First Monkeypox genome sequence from the Netherlands	The first Dutch genome sequence of the monkeypox virus associated with the currently ongoing multi-country outbreak. The virus clusters with the previously obtained sequences and only differs on two positions compared to the other sequences.	<a href="https://virological.org/t/first-monkeypox-genome-sequence-from-the-netherlands/821">https://virological.org/t/first-monkeypox-genome-sequence-from-the-netherlands/821</a>
27/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	Spanish draft genome sequence of Monkeypox virus related to multi-country outbreak (May 2022)	The Spanish case reported here corresponds to a young individual fulfilling clinical and epidemiological criteria. Whole-genome sequencing and phylogenetic analysis were performed.	<a href="https://virological.org/t/spanish-draft-genome-sequence-of-monkeypox-virus-related-to-multi-country-outbreak-may-2022/825">https://virological.org/t/spanish-draft-genome-sequence-of-monkeypox-virus-related-to-multi-country-outbreak-may-2022/825</a>
27/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	First Monkeypox genome sequence from Italy	Report of the full genome of an Italian case obtained from a swab collected on May 25th from skin lesions of a male patient.	<a href="https://virological.org/t/first-monkeypox-genome-sequence-from-italy/824">https://virological.org/t/first-monkeypox-genome-sequence-from-italy/824</a>
27/05/2022	Nature	News	Monkeypox outbreaks: 4 key questions researchers have	Researchers are racing to understand the latest monkeypox outbreaks — from their origins to whether they can be contained.	<a href="https://www.nature.com/articles/d41586-022-01493-6">https://www.nature.com/articles/d41586-022-01493-6</a>
26/05/2022	BMJ	Editorial	Investigating the monkeypox outbreak	Discussion on what we know and what we need to know	<a href="https://doi.org/10.1136/bmj.o1314">https://doi.org/10.1136/bmj.o1314</a>
26/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	First French draft genome sequence of Monkeypox virus, may 2022	A full Monkeypox virus genome was obtained from a male patient sampled at the University Hospital Center of Toulouse Purpan (France) in May 2022.	<a href="https://virological.org/t/first-french-draft-genome-sequence-of-monkeypox-virus-may-2022/819">https://virological.org/t/first-french-draft-genome-sequence-of-monkeypox-virus-may-2022/819</a>
25/05/2022	J Public Health Afr	Research article	Trend and enhanced surveillance of Monkeypox during COVID-19 pandemic in Nigeria	Out of the three states, 30 hotspots LGAs out of the 56 LGAs (54%) were engaged for enhanced surveillance. We trained three state supervisors, 30 LGA surveillance facilitators and 600 Community informants across the three priority states. Overall, twenty-five (25) suspected cases of MPX were identified. Out of these, three (12%) were confirmed as positive.	<a href="https://pubmed.ncbi.nlm.nih.gov/35720796/">https://pubmed.ncbi.nlm.nih.gov/35720796/</a>
25/05/2022	BMJ	Editorial	Waking up to monkeypox	Gearing up for epidemic preparedness and global health means acting now on the many ongoing outbreaks where and when they occur, not waiting for when they might spill over elsewhere, notably high-income countries. Interventions that prove effective must be made available and be affordable to the monkeypox-endemic low-income countries, and not just be stockpiled for potential use in high-income countries.	<a href="https://www.bmj.com/content/377/bmj.o1321">https://www.bmj.com/content/377/bmj.o1321</a>
24/05/2022	American Society for Microbiology	Editorial	Monkeypox: What We Do and Don't Know About Recent Outbreaks	Overview on monkeypox from the ASM	<a href="https://asm.org/Articles/2022/May/Monkeypox-What-We-Do-and-Don-t-Know-About-Recent-O">https://asm.org/Articles/2022/May/Monkeypox-What-We-Do-and-Don-t-Know-About-Recent-O</a>
24/05/2022	<a href="https://www.virological.org">Virological.org</a>	Research article	First German genome sequence of Monkeypox virus associated to multi-country outbreak in May 2022	The Bundeswehr Institute of Microbiology performed primary diagnostics of a swab taken from a skin lesion and subsequently sequenced the sample. Here, we announce the available data to the scientific community.	<a href="https://virological.org/t/first-german-genome-sequence-of-monkeypox-virus-associated-to-multi-country-outbreak-in-may-2022/812">https://virological.org/t/first-german-genome-sequence-of-monkeypox-virus-associated-to-multi-country-outbreak-in-may-2022/812</a>
24/05/2022	Lancet Infect Dis	Research article	Clinical features and management of human monkeypox: a retrospective observational study in the UK	Aim: to describe the longitudinal clinical course of monkeypox in a high-income setting, coupled with viral dynamics, and any adverse events related to novel antiviral therapies. Retrospective observational study on 7 cases identified between Aug 15, 2018, and Sept 10, 2021. hMKP poses unique challenges, even to well resourced health-care systems with HCID networks. Prolonged upper respiratory tract viral DNA shedding after skin lesion resolution challenged current infection prevention and control guidance.	<a href="https://doi.org/10.1016/S1473-3099(22)00228-6">https://doi.org/10.1016/S1473-3099(22)00228-6</a>

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23/05/2022	<a href="https://virological.org">Virological.org</a>	Research article	Multi-country outbreak of Monkeypox virus: genetic divergence and first signs of microevolution	Release of 9 additional sequences (Portugal, UK, USA). Confirmation that outbreak virus pertains to the West African clade. It appears likely that the multi-country epidemic has a single origin, however, virus diverges from 2018-2019 imported cases. Signs of microevolution within the outbreak cluster were detected.	<a href="https://virological.org/t/multi-country-outbreak-of-monkeypox-virus-genetic-divergence-and-first-signs-of-microevolution/806">https://virological.org/t/multi-country-outbreak-of-monkeypox-virus-genetic-divergence-and-first-signs-of-microevolution/806</a>	
20/05/2022	Science	Editorial	Monkeypox outbreak questions intensify as cases soar	Overview on monkeypox	<a href="https://www.science.org/content/article/monkeypox-outbreak-questions-intensify-cases-soar?utm_content=buffer5c020&amp;utm_medium=social&amp;utm_source=twitter.com&amp;utm_campaign=buffer">https://www.science.org/content/article/monkeypox-outbreak-questions-intensify-cases-soar?utm_content=buffer5c020&amp;utm_medium=social&amp;utm_source=twitter.com&amp;utm_campaign=buffer</a>	
20/05/2022	BMJ	Editorial	Monkeypox: What do we know about the outbreaks in Europe and North America?	Overview on monkeypox and info on past cases in the US and Europe	<a href="https://doi.org/10.1136/bmj.o1274">https://doi.org/10.1136/bmj.o1274</a>	
20/05/2022	<a href="https://virological.org">Virological.org</a>	Research article	Belgian case of Monkeypox virus linked to outbreak in Portugal	Report the nearly full genome of a 30-yr old male case in Belgium with a travel history to Lisbon, Portugal. Genome belongs to the West African clade and is most closely related to the recently uploaded genome from the outbreak in Portugal providing evidence of community spread in Europe.	<a href="https://virological.org/t/belgian-case-of-monkeypox-virus-linked-to-outbreak-in-portugal/801">https://virological.org/t/belgian-case-of-monkeypox-virus-linked-to-outbreak-in-portugal/801</a>	
20/05/2022	Nature	Editorial	Monkeypox goes global: why scientists are on alert	A discussion on why scientists are on alert, but not panicking, and why a monkeypox outbreak is very different from a SARS-CoV-2 one	<a href="https://www.nature.com/articles/d41586-022-01421-8">https://www.nature.com/articles/d41586-022-01421-8</a>	
20/05/2022	<a href="https://virological.org">Virological.org</a>	Research article	First draft genome sequence of Monkeypox virus associated with the suspected multi-country outbreak, May 2022 (confirmed case in Portugal)	Release of the first draft genome sequence of the monkeypox virus associated with the May 2022 outbreak. A first rapid phylogenetic analysis of the draft genome indicates that the 2022 virus belongs to the West African clade.	<a href="https://virological.org/t/first-draft-genome-sequence-of-monkeypox-virus-associated-with-the-suspected-multi-country-outbreak-may-2022-confirmed-case-in-portugal/799">https://virological.org/t/first-draft-genome-sequence-of-monkeypox-virus-associated-with-the-suspected-multi-country-outbreak-may-2022-confirmed-case-in-portugal/799</a>	
17/05/2022	BMJ	Editorial	Seven monkeypox cases are confirmed in England	Report of the cases of monkeypox detected in the UK	<a href="https://doi.org/10.1136/bmj.o1239">https://doi.org/10.1136/bmj.o1239</a>	