

Monkeypox Outbreak Toolbox

Updated: November 2019



Key reference documents

- [Human monkeypox information page](#) (Geneva: World Health Organization).
- [Monkeypox fact sheet](#) (Geneva: World Health Organization; 2019).



Case definitions

WHO suggested outbreak case definition (*under development*)

WHO surveillance case definition

Suspected case:

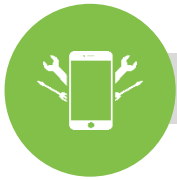
- An acute illness with fever $>38.3^{\circ}\text{C}$ (101°F), intense headache, lymphadenopathy, back pain, myalgia and intense asthenia followed one to three days later by a progressively developing rash often beginning on the face (most dense) and then spreading elsewhere on the body, including soles of feet and palms of hands.

Probable case:

- A case that meets the clinical case definition, is not laboratory confirmed but has an epidemiological link to a confirmed or probable case.

Confirmed case:

- A clinically compatible case that is laboratory confirmed.



Data collection tools

- Case investigation form(s):
 - Monkeypox case investigation form. In: Interim national guidelines for monkeypox outbreak response (page 38) (Abuja: Federal Ministry of Health and Nigeria Centre for Disease Control; 2017).
- Line list(s): Not available.
- Electronic tools: Not available.



Laboratory confirmation

- Monkeypox: Laboratory procedures (Atlanta: US Centers for Disease Control and Prevention; 2015).
- Laboratory. In: Interim national guidelines for monkeypox outbreak response (page 17) (Abuja: Federal Ministry of Health and Nigeria Centre for Disease Control; 2017).



Response tools and resources

- Interim national guidelines for monkeypox outbreak response (Abuja: Federal Ministry of Health and Nigeria Centre for Disease Control; 2017).



Training

- Monkeypox: Introduction (online course) (Geneva: World Health Organization; 2019).



Other resources

- Managing epidemics: Key facts about major deadly diseases (page 170) (Geneva: World Health Organization; 2018).
- Map of African countries reporting human monkeypox cases (1970–2017) (Geneva: World Health Organization; 2017).
- Monkeypox: Current status in West and Central Africa. Report of a WHO Informal Consultation (Geneva: World Health Organization; 2017).
- Emergence of monkeypox in West Africa and Central Africa, 1970–2017. Weekly Epidemiological Record No. 11, 16 March 2018.
- Human monkeypox. Clin Infect Dis. 2014;58(2):260–7. DOI: 10.1093/cid/cit703.