

## **SUPPLEMENTARY MATERIALS**

The final PubMed search was: (**mycetoma** [MeSH Terms]) combined, using AND term, with criteria terms including (mortality[MeSH Terms]) OR (morbidity[MeSH Terms]) OR (hospitalisation[MeSH Terms]) OR (disability[All Fields]) OR (drug resistance, fungal[MeSH Terms]) OR (prevention and control[MeSH Subheading]) OR (disease transmission, infectious[MeSH Terms]) OR (diagnostic[Title/Abstract]) OR (antifungal agents[MeSH Terms]) OR (epidemiology[MeSH Terms]) OR (surveillance [Title/Abstract]).

The final Web of Science search was: [TI=(**mycetoma**) OR AB=(**mycetoma**)], combined, using AND term, with criteria terms each as topic search, including (mortality) OR (case fatality) OR (morbidity) OR (hospitali\*ation) OR (disability) OR (drug resistance) OR (prevention and control) OR (disease transmission) OR (diagnostic) OR (antifungal agents) OR (epidemiology) OR (surveillance). Symbol \* allows a truncation search for variations of the term (e.g. hospitalisation or hospitalization).

All searches were limited to 1 January 2011 to 19 February 2021

**Table S1: Risk of Bias Assessment by Domain**

Author	Year	Overall risk	Domains assessed					
			Selection of participants	Confounding variables	Measurement of exposure	Blinding of outcome assessments	Incomplete outcome data	Selective outcome reporting
Abbas <i>et al.</i> <sup>32</sup>	2018	Unclear	Unclear	Low	Low	NA	NA	NA
Abdelrahman <i>et al.</i> <sup>7</sup>	2019	High	High	High	Low	NA	NA	NA
Ahmed <i>et al.</i> <sup>8</sup>	2020	Low	Low	Low	Low	NA	NA	NA
Bakhiet <i>et al.</i> <sup>24</sup>	2018	Low	Low	Low	Low	NA	NA	NA
Batac <i>et al.</i> <sup>25</sup>	2017	Low	Low	Low	Low	NA	NA	NA
Darré <i>et al.</i> <sup>9</sup>	2018	Unclear	Unclear	Unclear	Low	NA	NA	NA
Estrada-Castanon <i>et al.</i> <sup>28</sup>	2019	High	Unclear	Unclear	High	NA	NA	NA
Fahal <i>et al.</i> <sup>10</sup>	2015	High	Low	Low	High	NA	NA	NA
Fahal <i>et al.</i> <sup>29</sup>	2015	High	Unclear	Unclear	High	NA	NA	NA
Kwizera <i>et al.</i> <sup>30</sup>	2020	High	High	High	High	NA	NA	NA

Mhmoud <i>et al.</i> <sup>26</sup>	2014	Low	Low	Low	Low	NA	NA	NA
Omer <i>et al.</i> <sup>31</sup>	2016	High	Low	Unclear	High	NA	NA	NA
Sow <i>et al.</i> <sup>11</sup>	2020	Low	Low	Low	Low	NA	NA	NA
Zein <i>et al.</i> <sup>27</sup>	2012	Low	Low	Low	Low	NA	NA	NA

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NA: Not available.

**Table S2. Fungal pathogens selected for prioritization.**

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<b>Pathogen*</b>
<i>Aspergillus fumigatus</i>
<i>Candida albicans</i>
<i>Candida auris</i>
<i>Candida parapsilosis</i>
<i>Candida tropicalis</i>
<i>Coccidioides</i> spp.
<i>Cryptococcus gattii</i>
<i>Cryptococcus neoformans</i>
Eumycetoma causative agents
<i>Fusarium</i> spp.
<i>Histoplasma</i> spp.
<i>Lomentospora prolificans</i>
Mucorales
<i>Nakaseomyces glabrata</i> (formerly <i>Candida glabrata</i> )
<i>Paracoccidioides</i> spp.
<i>Pichia kudriavzevii</i> (formerly <i>Candida krusei</i> )
<i>Pneumocystis jirovecii</i>
<i>Scedosporium</i> spp.
<i>Talaromyces marneffeii</i>

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Spp.: species

\*In alphabetical order