

World Health Organization Methodology to Prioritize Emerging Infectious Diseases in Need of Research and Development

Technical Appendix 3

Disease Prioritization Methodologies and Their Application Since 2015

Technical Appendix 3 Table. Recent disease prioritization methodologies and their application.

Study	Country	Purpose of the prioritization	Tools used in the methodology
Stebler et al. 2015 (1)	Switzerland	Zoonotic diseases prioritization in Switzerland for surveillance and control	Semiquantitative Delphi process
Garner et al. 2015 (2)	Canada	Methodological study for antimicrobial resistant disease risk prioritization and its application in Canada	Multi-Criteria Decision Analysis (MCDA)–PROMETHEE
Dahl et al. 2015 (3)	Sweden	Pathogens Prioritization according to their public health prevalence for resource allocation in Sweden	Delphi process with weighting
Ciliberti et al. 2015 (4)	EU	Prioritization of wildlife pathogens for surveillance programs in the EU	MCDA
Kadohira et al. 2015 (5)	Japan	Methodology for zoonosis prioritization and application for risk assessment in Japan	Risk profiling and AHP
M Bouwknecht et al. 2015 (6)	EU	“Risk ranking study to identify emerging diseases that could pose threats to the health and security of the EU”	MCDA
Siembieda et al. 2015 (7)	Vietnam	Zoonotic diseases prioritization in Vietnam for resource allocation	Questionnaire
Hongoh et al. 2016 (8)	Canada (Quebec and Burkina Faso)	Infectious disease prioritization related to climate in Quebec and Burkina Faso for resource allocation	MCDA–PROMETHEE
Lapid et al. 2016 (9)	Israel	Prioritization of wildlife pathogens for surveillance in Israel	Rapid Risk Analysis
Stebler et al. 2016 (10)	Switzerland	Compare the zoonotic disease prioritization by students and public health professionals in Switzerland	Co-joint analysis questionnaires
McFadden et al. 2016 (11)	Mongolia	Zoonotic diseases prioritization for resource allocation	Multi-criteria ranking model
Brioude et al. 2016 (12)	Pacific Island countries and territories (PICTs)	Identification of animal pathogens for animal health resources allocation	Delphi process
Munyua et al. 2016 (13)	Kenya	Zoonotic diseases prioritization in Kenya for prevention and control strategies in Kenya	Analytic Hierarchy process (AHP)–Decision tree
Pieracci et al. 2016 (14)	Ethiopia	Zoonotic diseases prioritization in Ethiopia for prediction, prevention and response	AHP–Decision tree

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