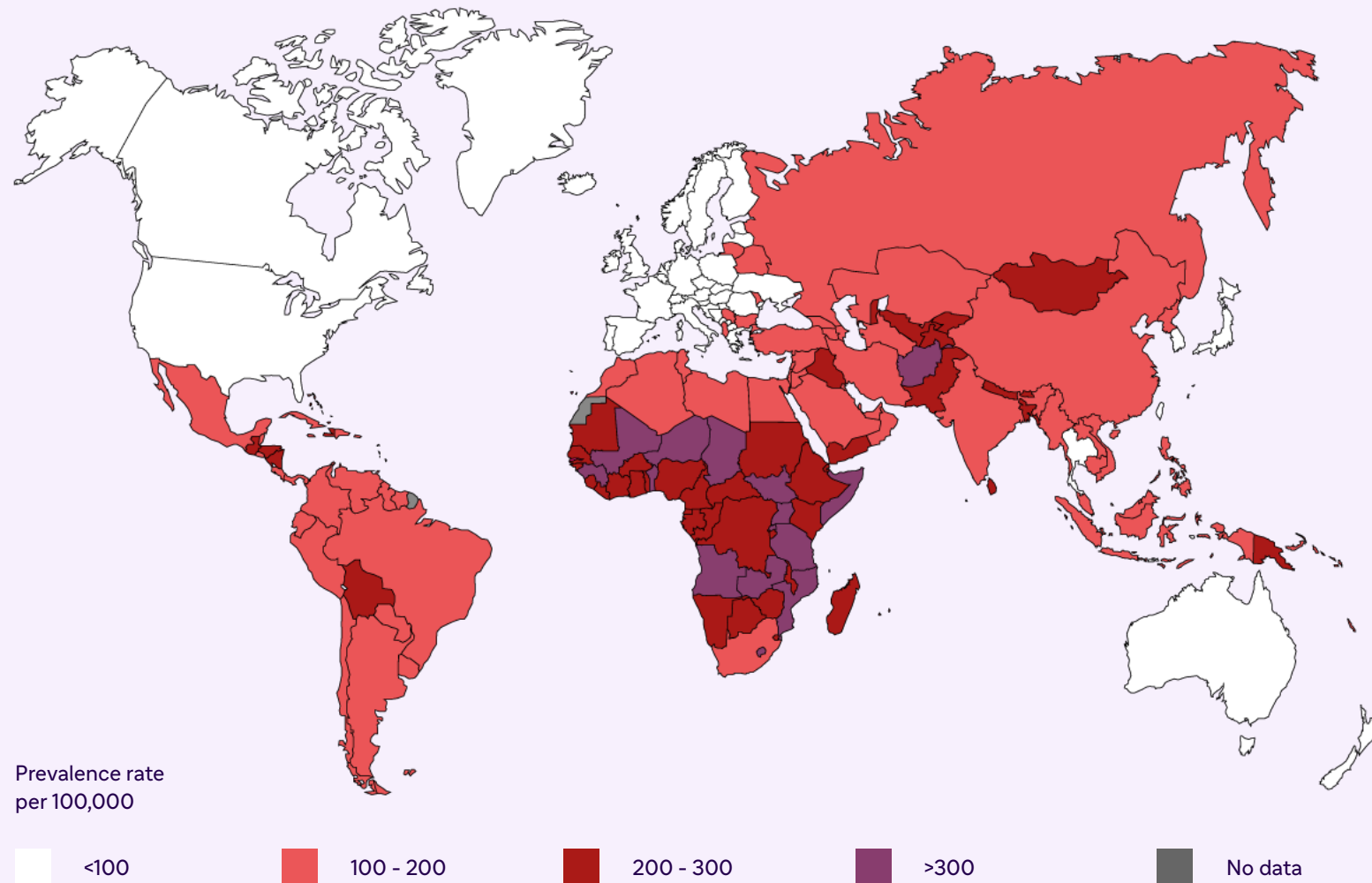


Diseases need *no passport*



Hepatitis A

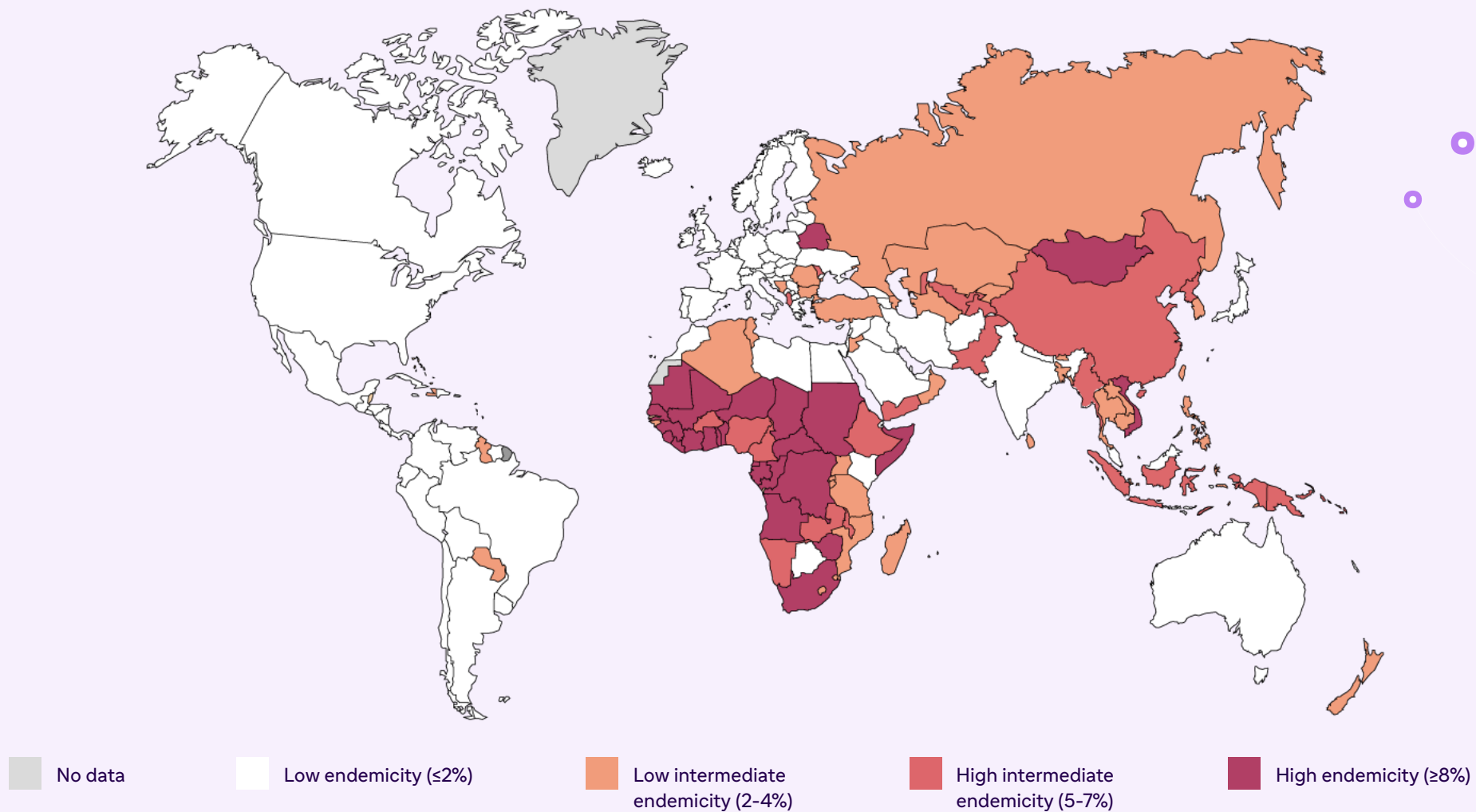
Prevalence of acute disease - 2019¹



¹ Adapted from Institute for Health Metrics and Evaluation - IHME at the University of Washington, accessed on: 3/15/2023. Used with permission.

Hepatitis B

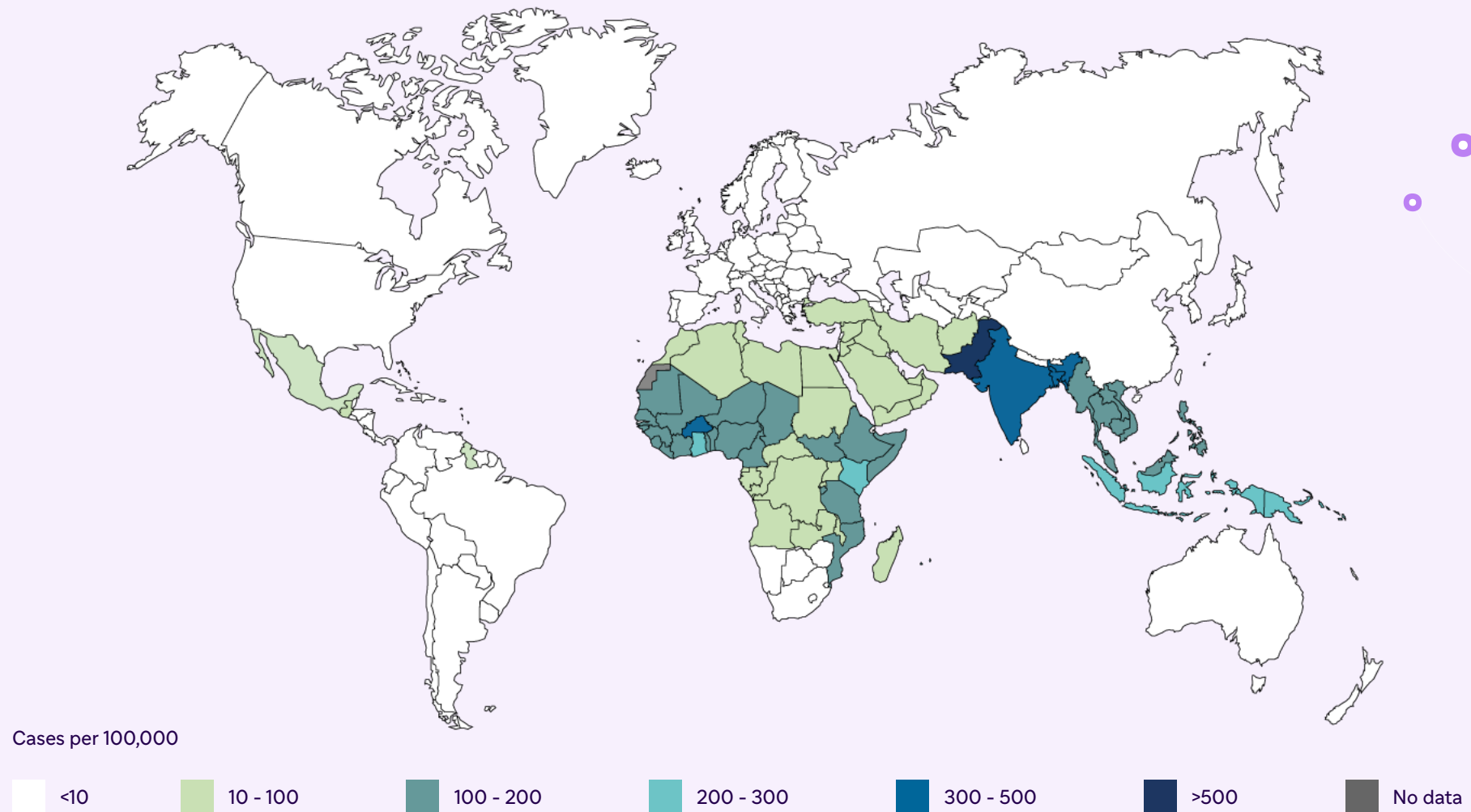
Prevalence - 2019²



² World Health Organization. Global and Country Estimates of immunization coverage and chronic HBV infection. Hepatitis b surface antigen estimates in 2019 and number of carriers prevented in all ages. Modelling conducted by the London School of Hygiene and Tropical Medicine. Available at : <https://whohbsagdashboard.surge.sh/#global-strategies> (Accessed March 2023)

Typhoid fever

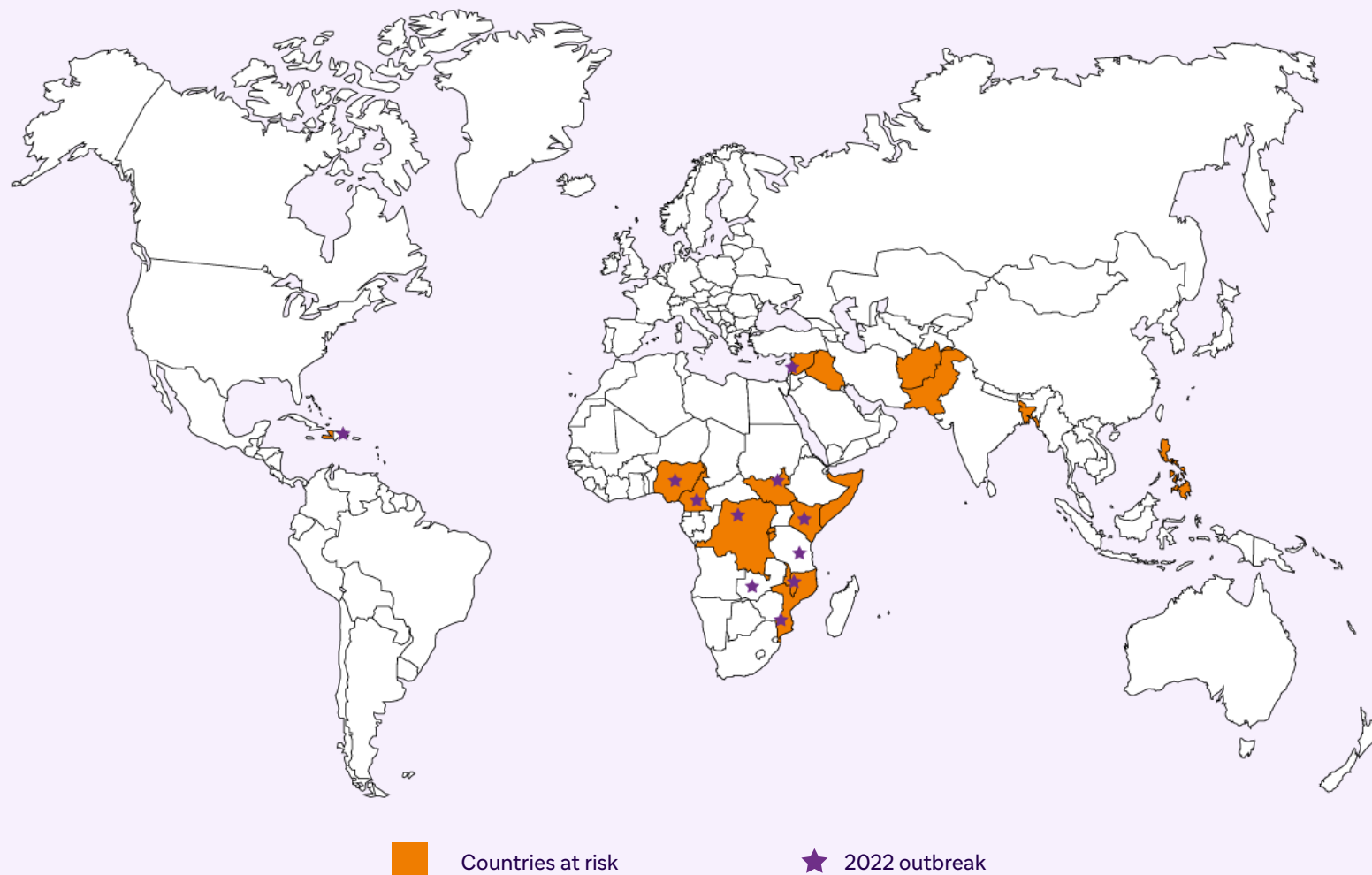
Incidence rate - 2019³



³ Adapted from Institute for Health Metrics and Evaluation - IHME at the University of Washington, accessed on: 3/15/2023. Used with permission.

Cholera

Countries at risk* - 2023⁴

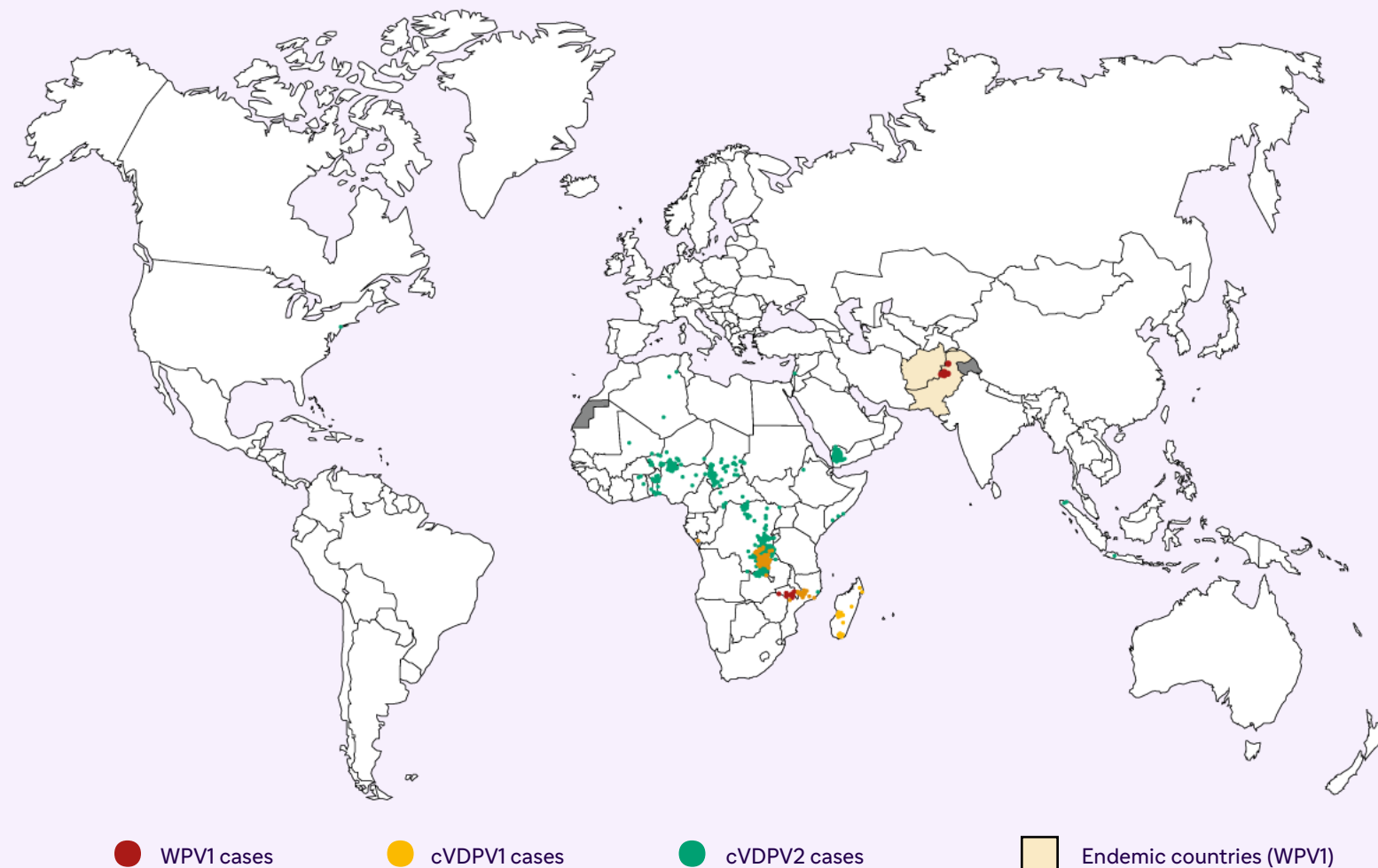


* Countries where more than 1 case of cholera per 100,000 was reported between January 2022 to January 2023

⁴ European Centre for Disease Prevention and Control. Cholera worldwide overview, March 2023. Available at: <https://www.ecdc.europa.eu/en/all-topics-z/cholera/surveillance-and-disease-data/cholera-monthly> (Accessed March 2023)

Polio

Wild and vaccine derived cases* - March 2023**5



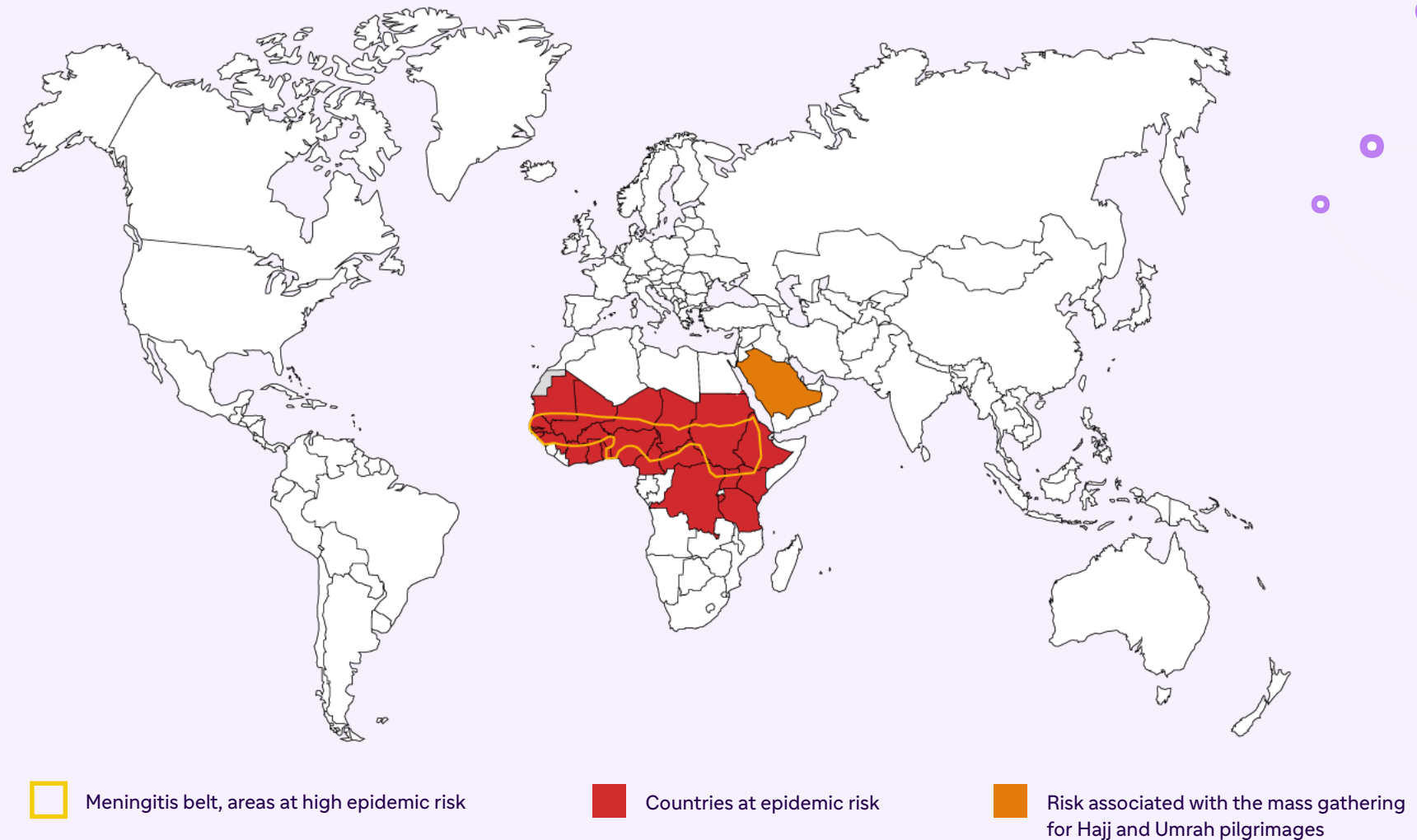
* Excludes viruses detected from environmental surveillance - ** Onset of paralysis 22 March 2022 to 21 March 2023

WPV= wild poliovirus ; cVDPV: circulating vaccine-derived poliovirus

5 Adapted from: World Health Organization. Health Topics. Poliomyelitis. Latest number of WPV1 and cVDPV cases in each affected country. Available at <https://polioeradication.org/polio-today/polio-now/> (Accessed March 2023)

Meningococcal meningitis

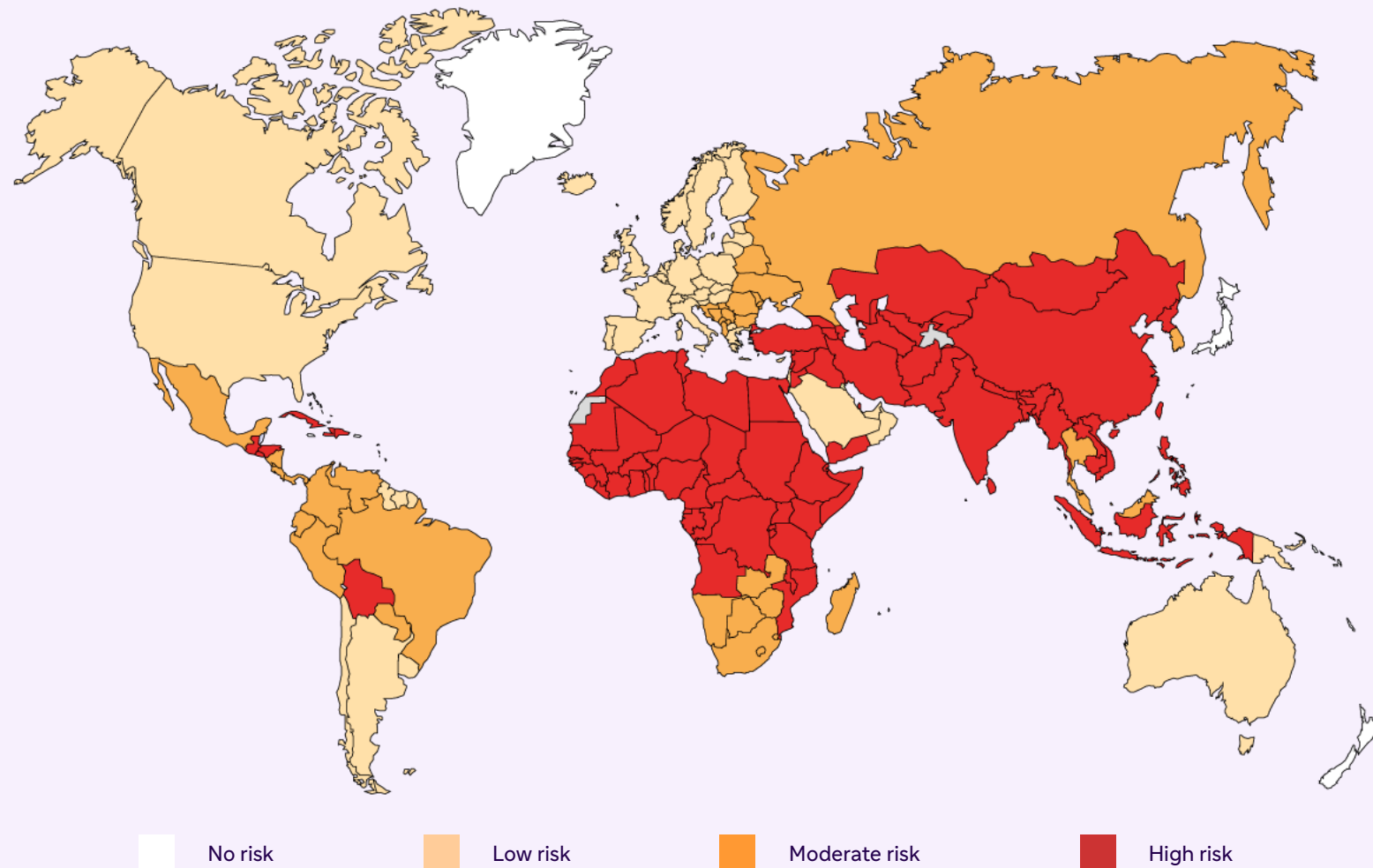
Countries or areas at epidemic risk - 2015⁶



⁶ Center for Disease Control and Prevention. The yellow book. Chapter 4. Meningococcal disease. <https://wwwnc.cdc.gov/travel/yellowbook/2020/travel-related-infectious-diseases/meningococcal-disease#5559> (Accessed March 2023)

Rabies risk levels

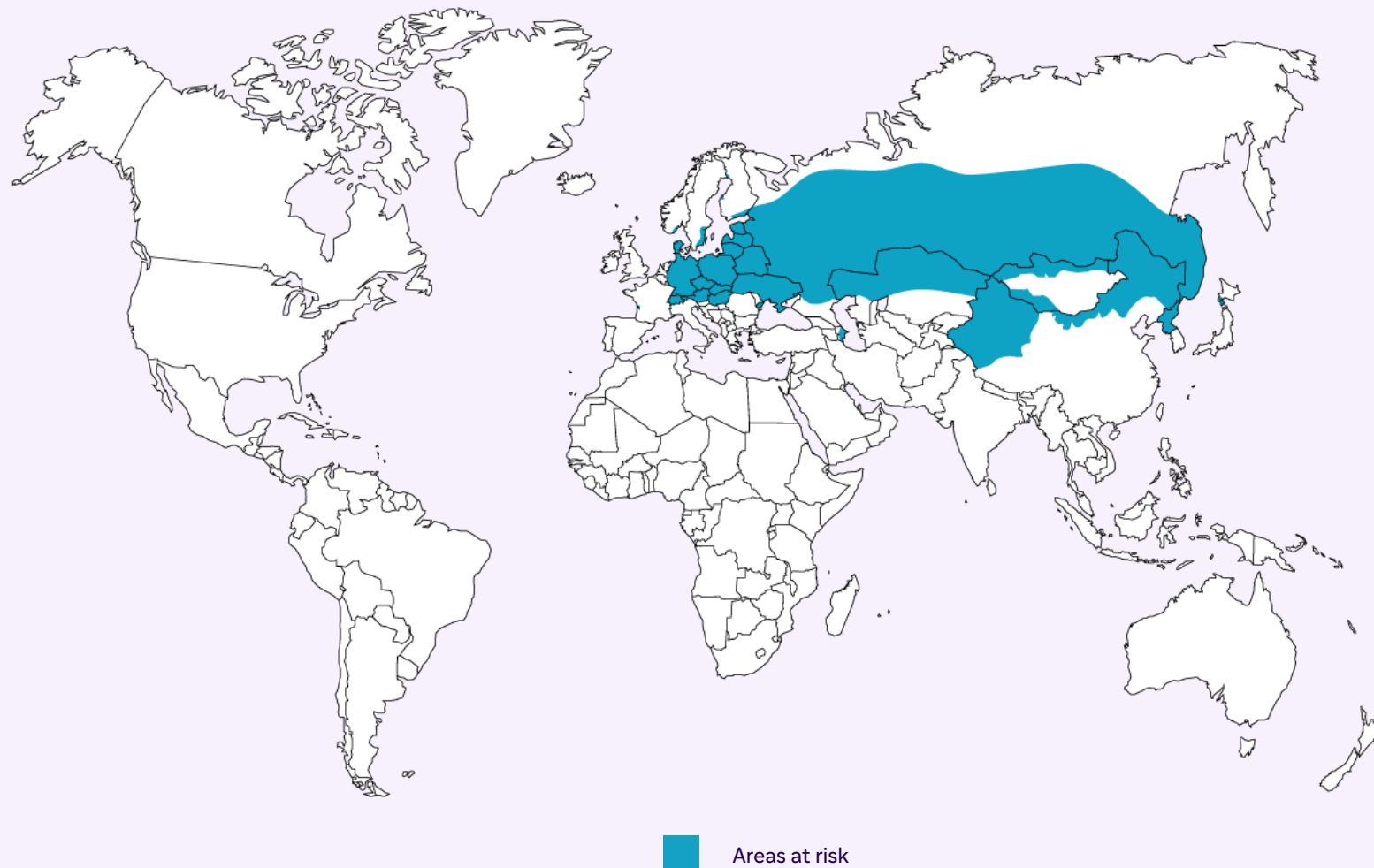
For humans - 2018⁷



⁷ From World Health Organization. International Travel and Health. Distribution of risk levels for humans contracting rabies, worldwide, 2018. Available in Alhassan SA, Garbaz B, Bello B et al. A Case of Fatal Rabies in a Donkey in Dawakin Tofa, Kano State, Nigeria. J. Anim. Health Prod. 2020. 8(1): 40-4

Tick-borne encephalitis

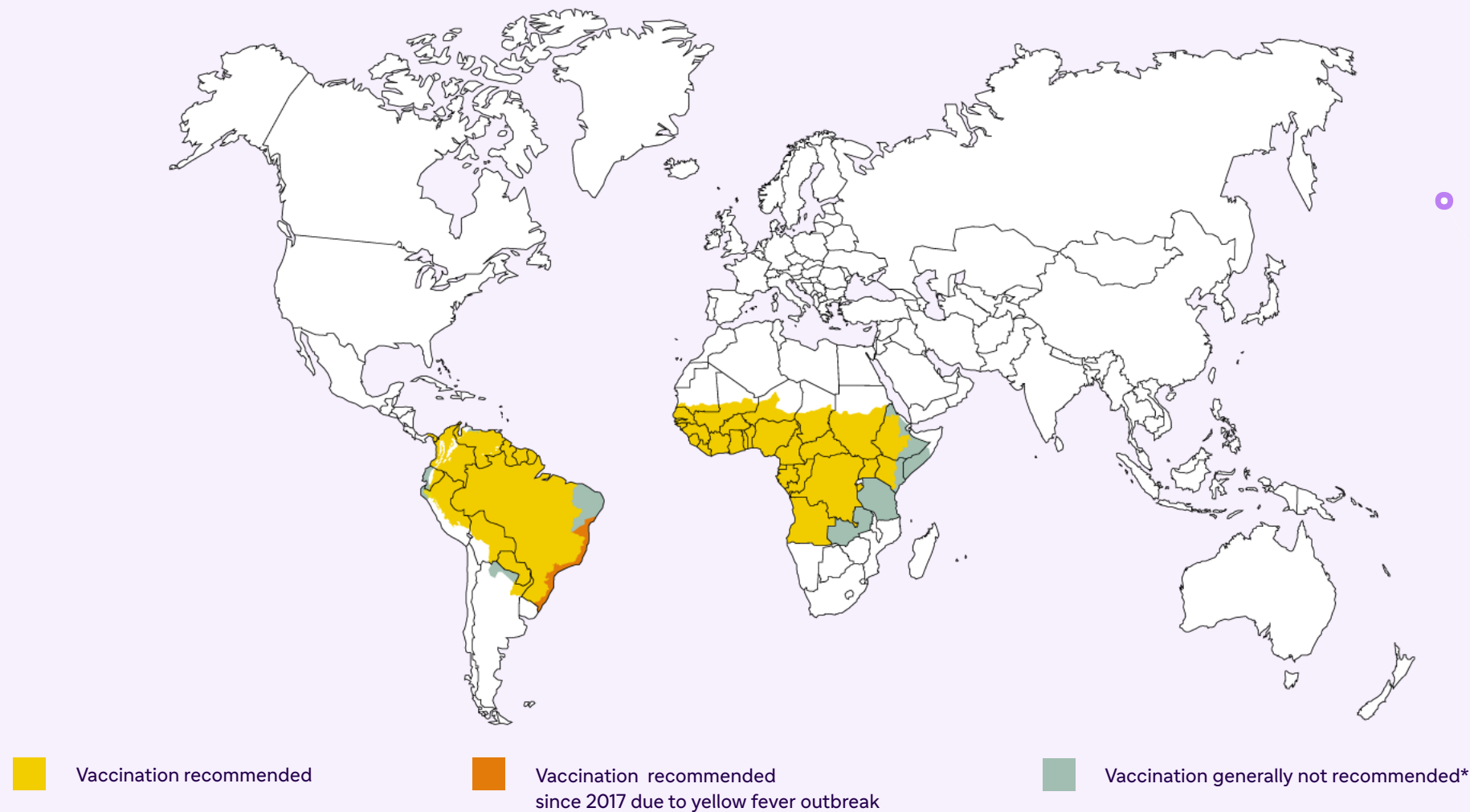
Areas at risk - 2022⁸



⁸ CDC-Tick borne encephalitis-Geographic distribution-Country-specific risk information. 2022 available at: <https://www.cdc.gov/tick-borne-encephalitis/geographic-distribution/index.html> (Accessed March 2023)

Yellow fever vaccine recommendations

In Africa and the Americas 2016-2018⁹

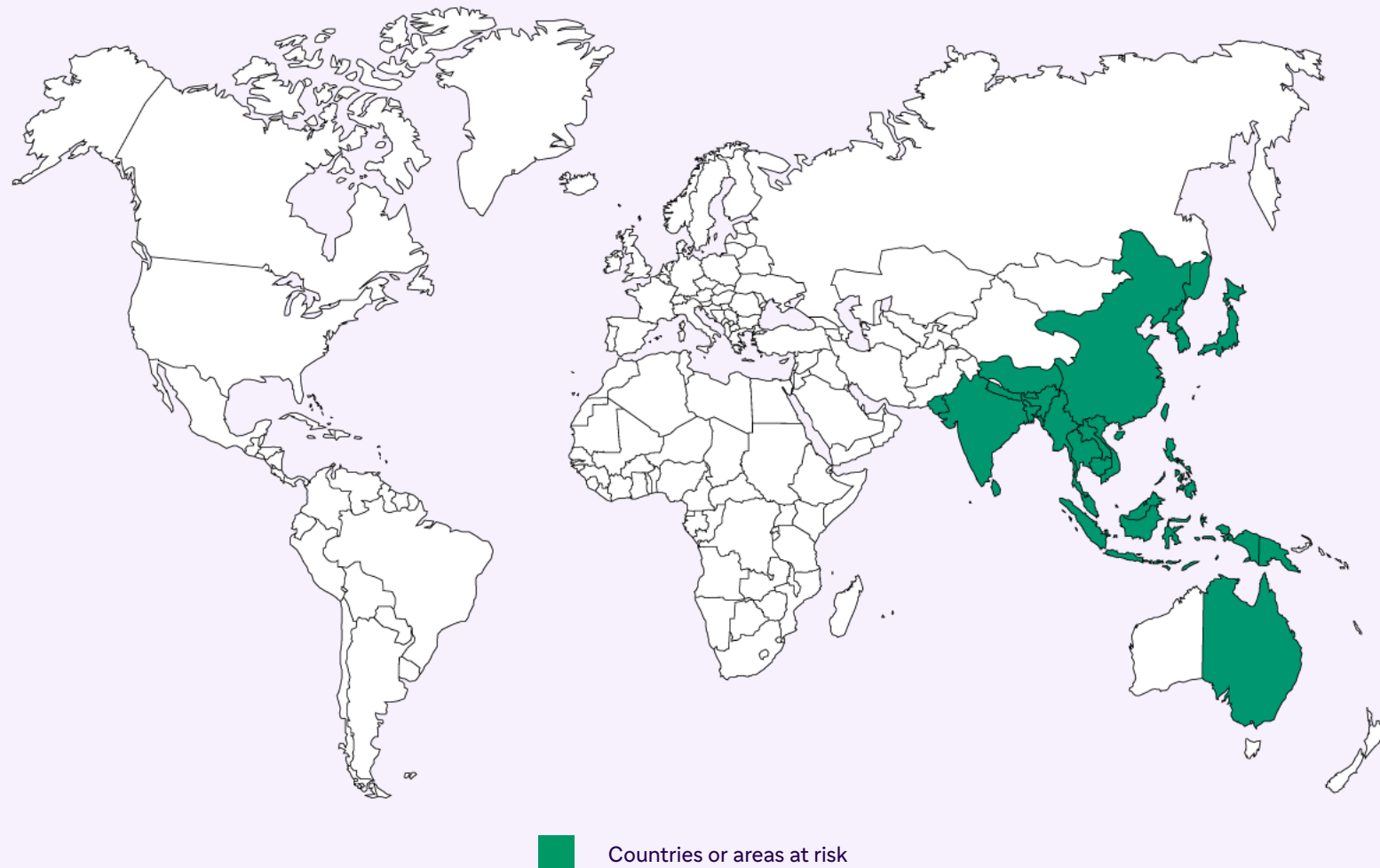


*Areas with low potential for yellow fever (YF) virus exposure. Vaccination might be considered for a small subset of travelers to these areas who are at increased risk for exposure to YF virus.

⁹ Reno E. et al. «Prevention of yellow fever in travellers: an update.» *The Lancet Infectious Diseases* 20.6 (2020): e129–e137. <https://www.sciencedirect.com/science/article/pii/S1473309920301705?via%3Dihub>

Japanese encephalitis

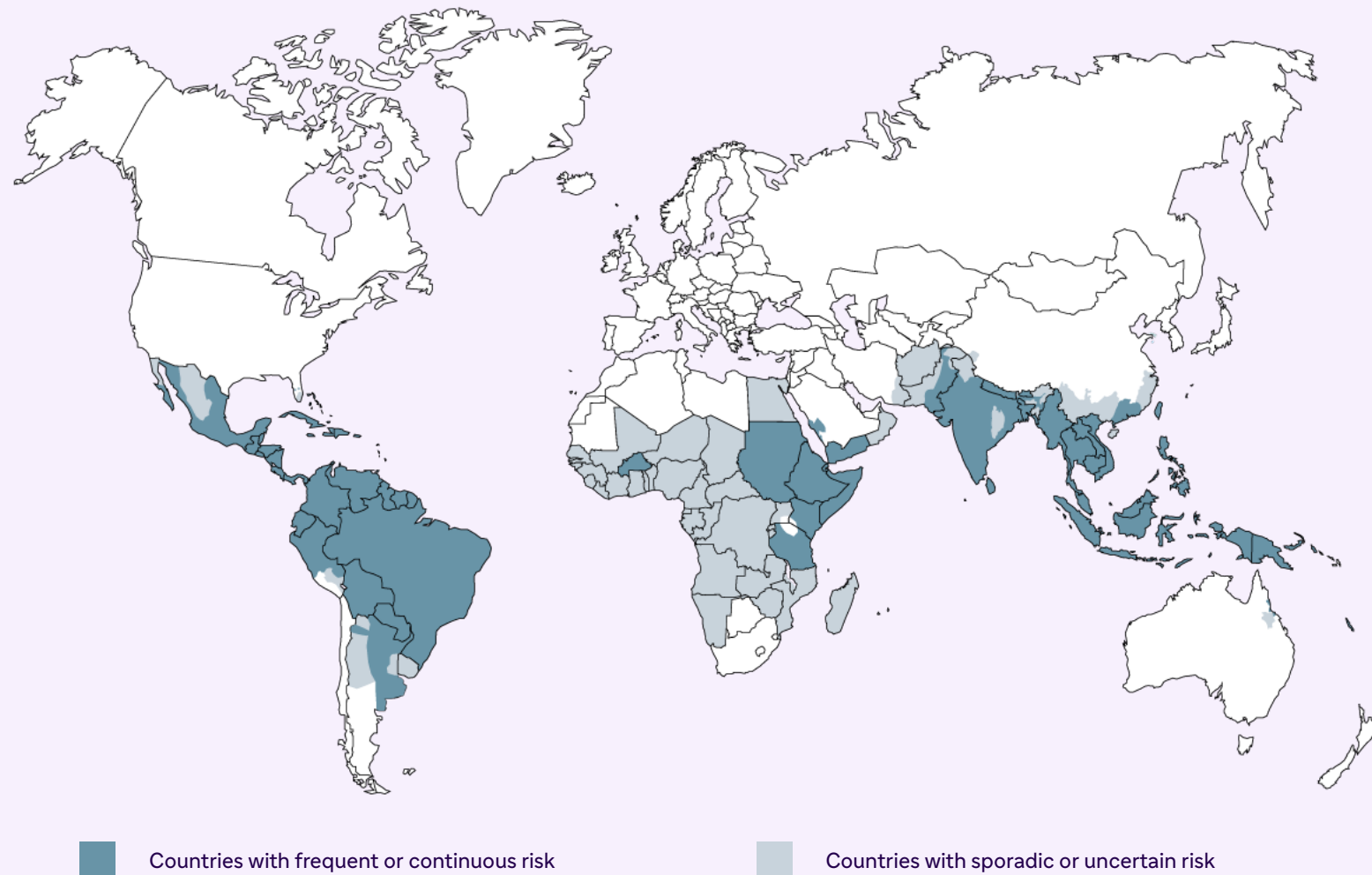
Countries or areas at risk - 2022¹⁰



¹⁰ Centers for Disease Control and Prevention. Geographic Distribution of Japanese Encephalitis. Updated December 2022 available at: <https://www.cdc.gov/japaneseencephalitis/maps/index.html> (Accessed March 2023)

Dengue fever

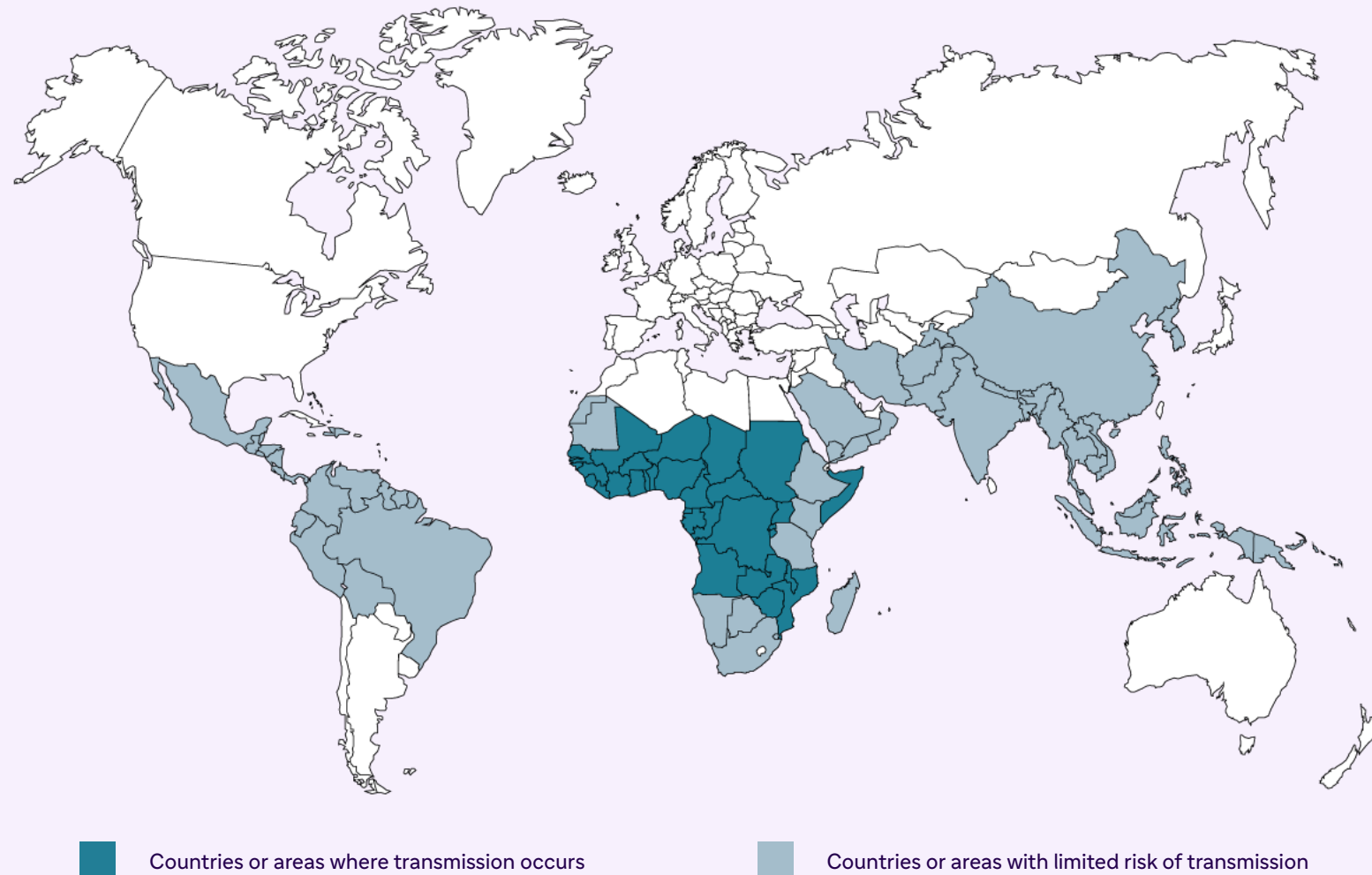
Countries or areas at risk – 2020¹¹



¹¹ Center for Disease Control and Prevention. The yellow book. Chapter 4. Dengue. Available at [Dengue Around the World | Dengue | CDC](#) (Accessed March 2023)

Malaria

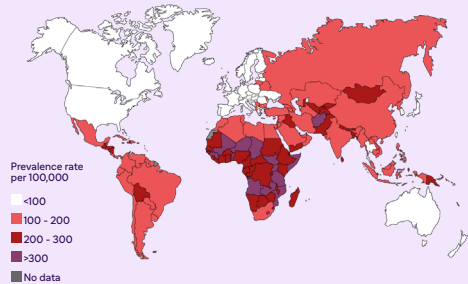
Countries and areas at risk – 2020¹²



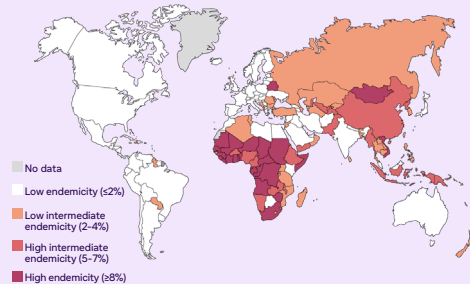
¹² Center for Disease Control and Prevention. Malaria distribution. Available at <https://www.cdc.gov/malaria/about/distribution.html> (Accessed March 2023)

Diseases need *no passport*

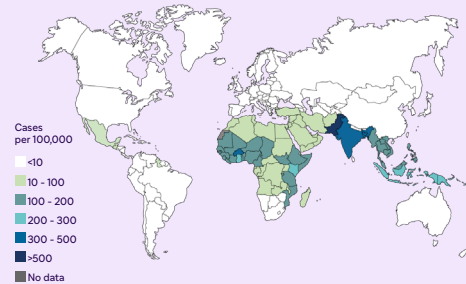
Hepatitis A prevalence of acute disease - 2019¹



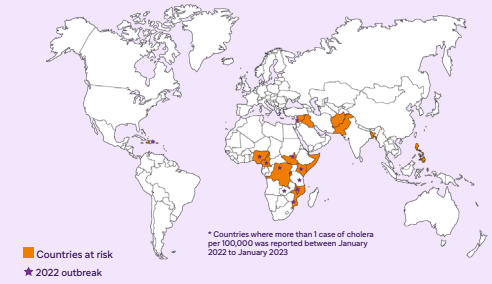
Hepatitis B prevalence - 2019²



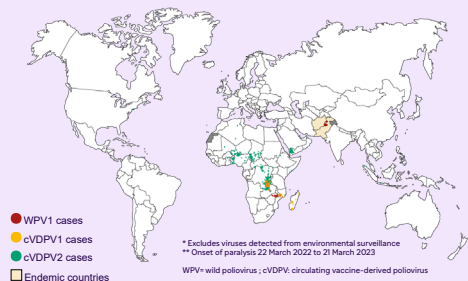
Typhoid fever incidence rate - 2019³



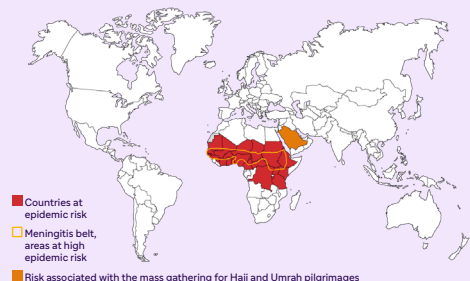
Cholera, countries at risk* 2023⁴



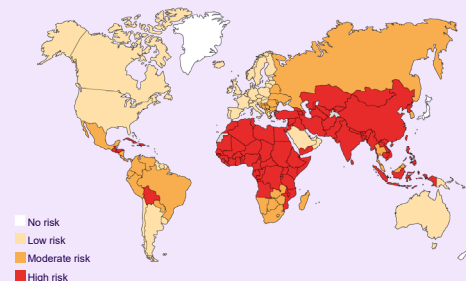
Polio, wild and vaccine derived cases* - March 2023**⁵



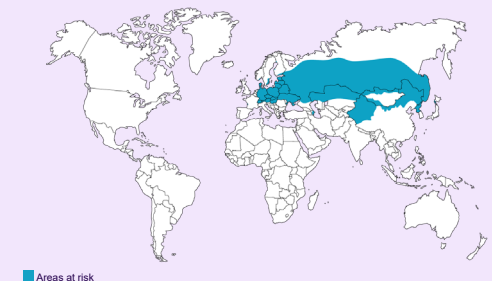
Meningococcal meningitis, countries or areas at epidemic risk - 2015⁶



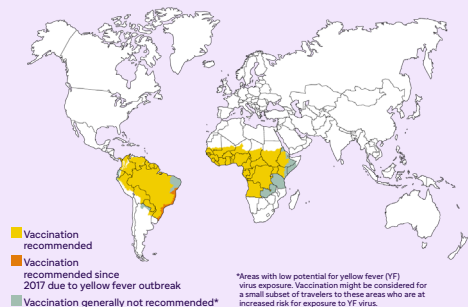
Rabies risk levels for humans - 2018⁷



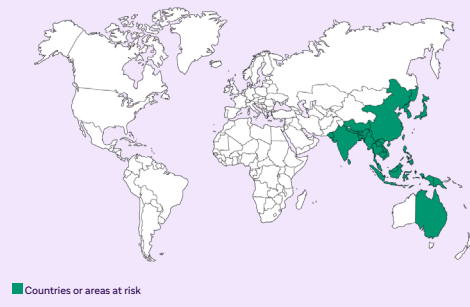
Tick-borne encephalitis, areas at risk - 2022⁸



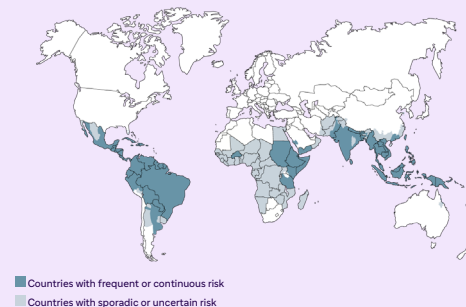
Yellow fever vaccine recommendations in Africa and the Americas 2016-2018⁹



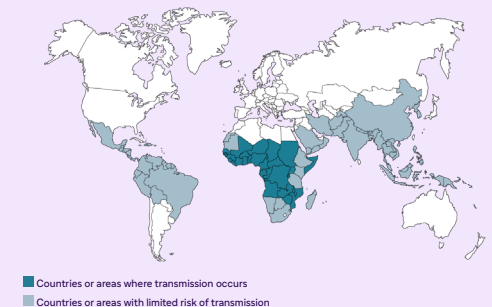
Japanese encephalitis, countries or areas at risk - 2022¹⁰



Dengue fever, countries or areas at risk - 2020¹¹



Malaria, countries and areas at risk - 2020¹²



REFERENCES – 1 Adapted from Institute for Health Metrics and Evaluation - IHME at the University of Washington, accessed on: 3/15/2023. Used with permission - 2 World Health Organization. Global and Country Estimates of immunization coverage and chronic HBV infection. Hepatitis b surface antigen estimates in 2019 and number of carriers prevented in all ages. Modelling conducted by the London School of Hygiene and Tropical Medicine. Available at: <https://whobsgadashboard.surge.sh/#global-strategies> (Accessed March 2023). 3 – Adapted from Institute for Health Metrics and Evaluation - IHME at the University of Washington, accessed on: 3/15/2023. Used with permission. - 4 European Centre for Disease Prevention and Control. Cholera worldwide overview, Jan 2023. Available at: <https://www.ecdc.europa.eu/en/all-topics-z/cholera/surveillance-and-disease-data/cholera-monthly> (Accessed March 2023). - 5 Adapted from: World Health Organization. Health Topics. Poliomyelitis. Latest number of WPV1 and cVDPV cases in each affected country. Available at: <https://polioeradication.org/polio-today/polio-now/> (Accessed March 2023). - 6 Center for Disease Control and Prevention. The yellow book. Chapter 4. Meningococcal disease. <https://wwwnc.cdc.gov/travel/yellowbook/2020/travel-related-infectious-diseases/meningococcal-disease#5559> (Accessed March 2023). - 7 From World Health Organization. International Travel and Health. Distribution of risk levels for humans contracting rabies, worldwide, 2018. Available in Alhassan SA, Garbaz B, Bello B et al. A Case of Fatal Rabies in a Donkey in Dawakin Tofa, Kano State, Nigeria. J. Anim. Health Prod. 2020. 8(1): 40-4 - 8 CDC-Tick borne encephalitis-Geographic distribution-Country-specific risk information. 2022 available at: <https://www.cdc.gov/tick-borne-encephalitis/geographic-distribution/index.html> (Accessed March 2023). - 9 Reno E. et al. «Prevention of yellow fever in travellers: an update.» The Lancet Infectious Diseases 20.6 (2020): e129-e137. <https://www.sciencedirect.com/science/article/pii/S1473309920301705?via%3Dihub> (Accessed March 2023). - 10 US Centers for Disease Control and Prevention. Geographic Distribution of Japanese Encephalitis Virus. Updated Dec 2022 available at: <https://www.cdc.gov/japaneseencephalitis/maps/index.html> (Accessed March 2023). - 11 Center for Disease Control and Prevention. The yellow book. Chapter 4. Dengue. Available at: <https://www.cdc.gov/dengue/areaswithrisk/around-the-world.html> (Accessed March 2023). - 12 Center for Disease Control and Prevention. Malaria distribution. Available at: <https://www.cdc.gov/malaria/about/distribution.html> (Accessed March 2023)

References available upon request at sanofi-aventis (schweiz) ag, Route de Montfleury 3, 1214 Vernier.