

CHESAPEAKE BAY PROGRAM SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEE 2023 Quarterly STAC Meeting UPDATE ON WATERBORNE HUMAN HEALTH CONCERNS AND INCIDENCE RATES

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March 15, 2023

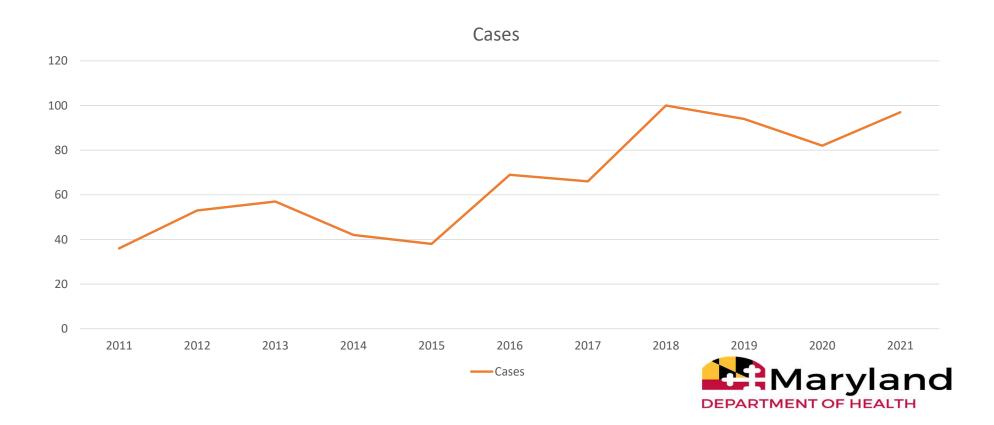
Human Health Concerns in the Bay

Direct health impacts

- ➤ Illnesses
 - □ Waterborne infectious diseases
 - ✓ Vibrio
 - Non-infectious hazards
 - ✓ Harmful algal blooms
- ➢ Injuries
- Outbreaks
- Indirect impacts



Vibrio Cases in Maryland 2011 - 2021



Other Health Concerns in the Chesapeake

- Human health surveillance considerations
 - > Coordination with Environment, Health, Natural Resources, Local Health
- One health considerations
- Health outcomes of concern:
 - Naturally occurring non-infectious organisms
 - □ Harmful algae



Human Health and the Chesapeake

- What does the future hold?
- Climate related impacts
 - ➢ Injuries
 - Indirect health concerns
 - Climate-related outcomes due to increased rainfall, inundation, flooding
 - ✓ Drinking water scarcity, salinity
 - ✓ Mold, flooding, respiratory conditions
 - □ Agriculture/food issues

