

## OHHABS Summary of Changes

### Environmental Form

#### *General Information*

- Added question "Why was this characterized as a HAB event?"
- Added question "Was this event associated with a benthic bloom or mat?"
- Added question "How long did the bloom occur?"
- Removed Date Remarks field
- Moved Water Body Characteristics section to Bloom Description section
- Streamlined Dates section by moving dates around on the form

#### *Geographic Description*

- Added question about tribal and federal lands
- Removed Geographic Description Remarks
- Streamlined Geographic location question

#### *Bloom Description*

- Moved Water Body Characteristics section to Bloom Description section
- Moved Health Advisories/Warnings information to their own section
- Streamlined water type question
- Streamlined water salinity question
- Streamlined water body use question

#### *Observational Data*

- Streamlined question who documented these observations
- Removed question tidal conditions
- Streamlined options for observational data

#### *Advisories*

- Removed Advisory or warning type
- Streamlined question about advisories or warnings
- Streamlined question issuing agency
- Added question about waterbody bloom history
- Added question why was advisory issued with streamlined answers
- Added question how did authorities notify the public of advisory

#### *Laboratory Testing*

- Added question was testing performed
- Streamlined question which was tested

#### *Environmental Testing Results*

- Added question Detected
- Added Sample Collection Date

- Added question Sample Type
- Removed question Detected In
- Removed question sample collection time
- Removed Sample Description
- Streamlined Laboratory Testing Remarks

#### *Links to Other Systems*

- Removed entire section it will be integrated into the user interface of OHHABS modernized system in 2025

#### *Supplemental Information*

- Removed section
- Streamlined General Remarks and moved to end of form

#### *Author and Agency Information*

- Removed section information will be collected in the user interface of OHHABS modernized system in 2025

### Human Form

#### *General Information*

- Added option for months and years to age question
- Added question county of residence
- Added question for race and ethnicity
- Dates section questions moved to other parts of the form
- Removed Date Remarks section
- Removed date times

#### *Human Exposure Information*

- Streamlined question for single or multiple dates of exposure
- Added question is setting exposure the same as HAB event
- Added question about occupational exposure
- Added question about commercially or non-commercially harvested seafood
- Removed question where exposure occurred
- Removed county where exposure occurred
- Removed setting of exposure
- Removed specific location name
- Streamlined exposure source
- Streamlined water exposure activity questions
- Streamlined food exposure type question
- Removed exposure water type
- Removed duration of activity
- Removed duration of activity unit

- Removed exposure remarks

#### *Signs/Symptoms of Illness and Health Outcomes*

- Moved illness onset date here
- Moved illness recover date here
- Added commonly reported sign/symptom table
- Streamlined time to illness onset
- Streamlined time to onset after exposure
- Streamlined time of illness recovery
- Removed onset unit
- Removed duration of sing/symptom
- Removed duration unit
- Streamlined sign/symptom recurrence after multiple exposures
- Removed question were signs/symptoms consistent with route of exposure
- Removed signs/symptoms remarks
- Added question about hospitalization
- Removed question additional information about medical care or health outcomes
- Removed medical care and health outcomes remarks
- Streamlined Medical Information questions
- Moved question death date here
- Removed question tobacco use
- Removed question allergies
- Removed question kidney disease
- Removed question liver disease
- Removed question neurologic disease
- Removed question alcohol use
- Removed question over the counter pain medication
- Removed question communicable diseases
- Removed question environmental irritants
- Removed question environmental samples to rule out
- Streamlined question respiratory disease
- Streamlined question chronic skin disease
- Streamlined question gastrointestinal disease
- Streamlined question other chronic disease

#### *Clinical Testing*

- Streamlined question what type of clinical testing
- Added question results detected
- Added question sample collection date
- Streamlined question type Specimen Type
- Streamlined Clinical Testing Remarks

#### *Supplemental Information*

- Removed section

- Streamlined question General Remarks

#### *Author and Agency Information*

- Removed section

#### Animal Form

##### *General Information*

- Streamlined question animal category
- Streamlined question animal description into animal common name
- Added question animal maturity
- Moved animal death questions to animal exposure information
- Moved date questions around the form to other sections
- Removed date times
- Removed date notification to local/territory/tribal/state health authorities
- Removed date remarks

##### *Animal Exposure Information*

- Moved question discovery date
- Added question single or multiple exposures
- Added question exposure same as reported HAB event
- Removed question state where exposure occurred
- Removed question county where exposure occurred
- Removed question setting of exposure
- Removed question specific location name
- Streamlined question how did exposure route
- Removed question exposure activity
- Removed question water type
- Removed question food type
- Removed question duration of activity
- Removed question duration unit
- Remove exposure remarks

##### *Signs of Illness and Health Outcomes*

- Moved date of illness onset here
- Moved date of illness recover
- Streamlined question time to illness onset
- Streamlined question time to illness recovery
- Removed question onset unit
- Removed question duration of signs
- Removed question duration unit
- Streamlined question signs of illness reoccur
- Removed question were signs consistent with route of exposure

- Added question how many animal in a group received veterinary care
- Removed question admitted to veterinary facility
- Removed question additional information about medical care or health outcomes
- Removed medical care and health outcomes remarks
- Removed question pre-existing medical conditions
- Removed question any medications
- Removed question other causes of illnesses investigated
- Removed question where environmental samples tested to rule out other causes
- Added question was animal immunocompromised
- Added question did the animal have a chronic disease

#### *Clinical Testing*

- Streamlined question what types of clinical testing were done
- Added question results detected
- Streamlined question specimen collection date
- Streamlined question specimen type
- Streamlined animal testing remarks
- Removed question subspecies

#### *Supplemental Information*

- Streamlined general remarks

#### *Author and Agency Information*

- Removed section