



Barium 2.3 Release Notes

WDRS Barium 2.3 Release, Thursday, May 23, 2019

<p>SHARED Functions</p>	<ul style="list-style-type: none"> ✓ Adjusted the existing Role "Report Administration" to include product codes ✓ Add new security Groups for PHSKC use for GCD and HEP domains ✓ Hyperlinks have been added to the WDRS Splash Page to provide access to the DOH website, Notifiable Conditions and the WDRS User Community SharePoint Site. ✓ Country reference code for drop down list use in question packages was updated to include more values. ✓ Update SubGroups used by Reference Groups to be unique ✓ Add DOH Deduplication Group to manage deduplication requests and tasks. ✓ Save button and other navigation options were enabled on the floating header for use when scrolling on Event pages. If using Internet Explorer browser, wa.gov must not be on compatibility view list. ✓ Custom reference parties added to support DRIVE. One report added to monitor the new values. ✓ Obsolete/duplicate/unused security Roles and Groups were removed. ✓ 60 ad hoc reports developed in WDRS Production were made permanent. ✓ Add party attribute fields of "Transport Method" and "Reporting Threshold" to laboratory reference parties. ✓ Additional Roles added to existing reports.
<p>General Communi cable Disease</p>	<ul style="list-style-type: none"> ✓ Vibriosis, Cholera Questions updated (modified, added, removed) - the 'Seafood' questions in the Risk and Response question package have been updated to match the current COVIS form. ✓ CJD question update - the question 'Bilateral FLAIR hyperintensities involving the pulvinar thalamic nuclei (hockey stick sign)' is now a child of the question "MRI Performed" (appears when = Yes) ✓ Question (New) - "CDC case report form sent to CDC" (DOH) is added to the Administrative QP for these conditions: ANT, BRU, CRPTCS, HNV, LEPTO, PLAG, TUL, QFEV, TICKBORNE, LEG, FLUN ✓ Report GCD Core Export [LHJ] - the "accountable county" parameter description no longer indicates "Required" ✓ The GCD_CORE_EXPORT denormalized table has been updated to include the fields Party.EXTERNAL_ID, Model.CDC_EVENT_DATE, Model.CDC_EVENT_TYPE, Model.YEAR_DOH_LEGACY. These data in these tables is reflected in the SLDSS reports, or can be queried by the replica DB directly. ✓ Report GCD Core Export has been updated to include the field EXTERNAL_ID, CDC_EVENT_DATE, CDC_EVENT_TYPE, YEAR_DOH_LEGACY

General Communicable Disease, continued

- ✓ Background cleanup - the Autoclassification rule 'Ruled out' for Salmonella autoclassification has been end dated (disabled). This rule was not actively used while in the system.
- ✓ Mumps lab results tab (investigation template) fix - the value "Measles virus" in the WDRS Result coded is no longer available.
- ✓ Autoclassification modification for giardia -- Rules have been updated to reflect the Suspect classification outlined in the giardia guidelines:
"Suspect: a case that does not meet the clinical description, or clinical information is not known, that meets the criteria for laboratory confirmation as described above."
<https://www.doh.wa.gov/Portals/1/Documents/5100/420-053-Guideline-Giardiasis.pdf>
- ✓ Vibriosis question message updated: The label for the question "Isolate of a species of the family Vibrionaceae(other than toxigenic Vibrio cholera O1 or O139) from a clinical specimen using a culture-independent diagnostic test" has been updated to "Isolate of a species of the family Vibrionaceae(other than toxigenic Vibrio cholera O1 or O139) from a clinical specimen"
- ✓ Salmonella wizard has been updated to reflect the current Salmonella reporting form.
- ✓ Workflow (New) - "GCD Zoonotic review geographic region of exposure [DOH]" has been added. Includes open events where the field "DOH Reviewed" is NULL for these conditions:
Arboviral disease
Cryptococcus gattii
Coccidioidomycosis
Hantavirus
Leptospirosis
Lyme disease
Plague
Psittacosis
Q fever
Relapsing fever
Tickborne disease
Tularemia
West Nile virus
- ✓ Workflow (update) - "GCD Zoonotic review Risk and Response fields [DOH]" no longer includes "Likely geographic region of exposure" criteria for these conditions:
Arboviral disease
Cryptococcus gattii
Coccidioidomycosis
Hantavirus
Leptospirosis
Lyme disease
Plague
Psittacosis
Q fever
Relapsing fever
Tickborne disease
Tularemia
West Nile virus

General Communicable Disease, continued

- ✓ Add question: "DOH Reviewed " (DOH field) added for the following conditions in the Risk and Response QP:
 - Arboviral disease
 - Cryptococcus gattii
 - Coccidioidomycosis
 - Hantavirus
 - Leptospirosis
 - Lyme disease
 - Plague
 - Psittacosis
 - Q fever
 - Relapsing fever
 - Tickborne disease
 - Tularemia
 - West Nile virus
- ✓ Autoclassification rule fix giardia - rules for giardia classification was classifying events where the question 'weight loss' was answered at all rather than where 'weight loss' = yes. Updated so that classification is made based on 'weight loss' = yes.
- ✓ CJD workflow update - "GCD prion missing autopsy [LHJ]" workflow has been updated to include events where the question "Autopsy performed" is NULL.
- ✓ Workflow updates (DOH) - the "unsuccessfully auto classified [DOH]" workflows have been updated to include cases where the "Final Case Classification" is NULL. Previously, the workflow used "DOH Review Status", which has been removed.
- ✓ Report GCD Core Export and GCD Event List by Product Code have been updated to include the fields CDC_EVENT_DATE, CDC_EVENT_TYPE, YEAR_DOH_LEGACY
- ✓ GCD Core Export report note added to description: "The column EVENT_DATE is the date that the record was created. For legacy records, this field reflects the RecordCreateDate from PHIMS"
- ✓ Shigella wizard has been updated to include the question "Tenesmus".
- ✓ CJD new question - The question "High signal in caudate/putamen on magnetic resonance imaging (MRI) brain scan or at least two cortical regions (temporal, parietal, occipital) either on DWI or FLAIR*" has been added as a child of the question "MRI Performed" (appears when = Yes)
- ✓ CJD end date question - the question "FLAIR/DWI hyperintensities within the basal ganglia (caudate nucleus and/or putamen)" will not appear for cases created on or after 6/30/2019. The question will still appear on events created prior to 6/30/19.
- ✓ CJD wizard updated to exclude the question "Diffusion weighted MRI".
- ✓ Listeriosis wizard has been updated to include the "Hospitalized at least overnight for this illness" and its child questions.
- ✓ Yellow fever new question - the question "Total bilirubin \geq 3 mg/dl" was added and is available on all cases created on or after 12/30/2018.
- ✓ Yellow fever new question - the question "During the previous two weeks prior to onset of illness, travel to or residence in an area with a risk of yellow fever" was added and is available on all cases created on or after 12/30/18. Wizard and reporting form have been updated.
- ✓ Yellow fever end date question - the question "Recent travel to area with endemic yellow fever" will not appear for cases created on or after 6/30/2019. The question will still appear on events created prior to 6/30/19. Wizard and report form have been updated.

General Communicable Disease, continued

- ✓ Yellow fever question added - the existing question "Epi-linked to a confirmed case" is now conditioned to appear for Yellow Fever cases. Wizard and reporting form have been updated.
- ✓ Autoclassification rule fix campylobacter - campylobacter rules to classify an event as 'probable' was overriding a classification of 'confirmed'. Order of these rules has been updated so that probable does not override confirmed.
- ✓ National Notifiable Condition (NNC) code updated for Typhoid. The field NNC event code reflects the updated code (50267).
- ✓ National Notifiable Condition (NNC) code updated for Salmonella. The field NNC event code reflects the updated code (50265).
- ✓ Campylobacter wizard and reporting form have been updated to include the question 'Outbreak related'
- ✓ Autoclassification rule fix legionella - rules were referencing incorrect lab values and therefore would not classify the event. The lab values in the rules have been updated.
- ✓ Rabies lab results tab (investigation template) updates have been made:
 - The value "Rabies virus" is no longer available in the WDRS Result coded field when WDRS Test performed = "Direct fluorescent antibody (DFA)/Immunohistochemistry (IHC/DRIT)"
 - The values "Rabies virus observed" and "Rabies virus not observed" are now available in the WDRS Result coded field when WDRS Test performed = "Direct fluorescent antibody (DFA)/Immunohistochemistry (IHC/DRIT)"
- ✓ The 6 SLDSS denormalized tables have been updated to include the fields: ACCOUNTABLE_COUNTY, DOH_CASE_CLASSIFICATION_REPORTING, and INVESTIGATION_STATUS. These data in these tables is reflected in the SLDSS reports, or can be queried by the replica DB directly.
- ✓ Pertussis Lab Results tab (Investigation template) - Duplicate selection value for "Bordetella Pertussis" in the WDRS Result coded field has been removed from the user entry screen.
- ✓ Workflow (New) - the workflow "GCD HARO events with no labs requiring investigation [DOH]" was created for HAI event management. This workflow contains open HARO events created by ELR import where NO labs on the event are WDRS Test Performed=CarbaNP, Carbapenem Inactivation Method (CIM), Modified Carbapenem Inactivation Method (mCIM), PCR, Modified Hodge, Metallo BetaLactamase, Susceptibility - Colistin, Susceptibility - Doripenem, Susceptibility - Ertapenem, Susceptibility - Imipenem, Susceptibility - Imipenem/EDTA/PA, Susceptibility - Meropenem, Manual Review
- ✓ Workflow (New) - The workflow "GCD Negative labs only [LHJJ]" has been added. This workflow includes events created by ELR import where the "WDRS Result Summary" = "Negative" for all Lab Results attached to the event.
- ✓ Workflow - DOH workflow has been added to capture 2018 events that will be system-closed (become read-only). These events have been reported to CDC in 2018 data reconciliation. Events that are closed can be re-opened by assigning a task to the DOH Dx area group, and requesting access to the eventID that needs to be opened.
- ✓ GCD Model update - in preparation for Arboviral messaging to CDC from WDRS, the rules for when to send a CDC Arbo message were updated so that if the DOH field "Identified by blood donor screening" does not have to be checked to qualify an event for CDC message inclusion.
- ✓ Print templates update/addition (PHSKC) - Campylobacter, Giardia, and Cryptosporidiosis print templates (letters) have been updated.

Hepatitis

- ✓ New workflow "HEP - Hepatitis B women of CBA to assess pregnancy [LHJ]" to identify women who need to be screened for pregnancy using the newly added field "Date that the individual was assessed for pregnancy" and a rule to compare that date to incoming labs. This workflow will initially be piloted in Spokane County and later released to other, interested LHJs.
- ✓ Changed lock on SUBTYPE_CHRONIC to allow children under 2 years of age to be classified as chronic hepatitis cases. In general, these should be classified as perinatal cases, but there are rare circumstances where a young child is infected non-perinatally and should be classified as a chronic case.
- ✓ Changed the text for A_INJECTED_DRUGS_TYPE to read "Opioids (prescription or non-prescription)" instead of "Prescription opioids"
- ✓ Added rules to allow printing of "face sheets" for acute and chronic hepatitis cases.
- ✓ Added workflows for Open Low-Priority Chronic Hepatitis C Cases. These capture events that have been open for 90 or more days, where patients were born between 1945 and 1965, and have a case classification of confirmed or probable. The workflow also displays case deduplication status, birth date, accountable county, and the patient's most recent ALT result. A bulk action titled "Complete investigation" completes required fields in the Administrative question package so that the case is removed from open cases workflows.
- ✓ Updated "HEP - Potential Acute HBV cases [LHJ]" workflow column headers to change ordering, display case create date, and remove event date and ALT columns. Edited the rules populating the columns to display the correct HBsAg and IgM results.
- ✓ Updated column headers for Open Chronic Hepatitis B Cases workflows to additionally show case deduplication status, investigator, and accountable county.
- ✓ Updated column headers for Open Chronic Hepatitis C Cases workflows to additionally show case deduplication status, investigator, and accountable county.
- ✓ Updated column headers for Hepatitis C Cases with Unconfirmed Subtype workflows to additionally show case deduplication status, and accountable county.
- ✓ Updated column headers for Hepatitis B Cases with Unconfirmed Subtype workflows to additionally show case deduplication status, and accountable county.
- ✓ Updated column headers for Potential Acute HCV cases workflow to additionally show case deduplication status, birth date, accountable county, and most recent ALT result
- ✓ Added reference codes for hepatitis to support DRIVE assignment of lab values. Changes include new selection choices for HCV genotype results.
- ✓ This wizard was created to provide investigators with a list of the minimum required fields to consider a chronic Hepatitis C case "complete" (for Foundational Public Health Services case completeness criteria). The minimum required list has already been provided to LHJs.
- ✓ Created rosters for DOH to perform end-of-year cleaning of hepatitis cases.
- ✓ Created denormalized table to support report for end-of-year case cleaning.
- ✓ Created reports for DOH to pull end-of-year reports for hepatitis cases to facilitate data cleaning.
- ✓ Removed the requirement to populate "Chronic Diagnosis Date" in hepatitis cases.
- ✓ Made LHJ Record Complete display as a required field for hepatitis cases.
- ✓ Fixed a bug where the Administrative question package in the hepatitis model would not show as "Completed" even when all required fields were populated.

<h2>Blood Lead</h2>	<ul style="list-style-type: none"> ✓ Trigger a concern when Specimen Collection Date is before Date of Birth ✓ Add the field LHJ Classification to the Lead Child Test Results Report ✓ Create a case count report called LHJ List: ID, status, county that will list EventID with identifying information by open/closed status, accountable county, and with the ability to restrict to elevated cases only by entering "greater than 5" in the WDRS Results field ✓ Add a new workflow called Lead Child All Open Events to maintain consistent processes across domains ✓ Add the field LHJ Classification to the Lead Child All Open Cases Report ✓ Create a Lead HCA Update Roster to populate HCA data ✓ Create a case count report called LHJ Investigation Report that will list EventID as a live link, individual assigned to case, create date, closed date, and LHJ comments (for example "false positive") by open/closed status, accountable county, and with the ability to restrict to elevated cases only by entering "greater than 5" in the WDRS Results field
<h2>Tuberculosis</h2>	<ul style="list-style-type: none"> ✓ For TB Contact Events, the read-only expression on the field 'Follow-up testing due on or after' was removed and replaced with an editable field that defaults (only initially) to 8 weeks from the 'Date of last exposure.' ✓ Updated security on the Legacy Data question package to make it visible to LHJs, along with the corresponding workflow, 'TB Disease events with legacy data unresolved.' ✓ Changed question text 'Date therapy stopped or never started' to 'Date therapy stopped' and updated it to only be visible if 'Date therapy started' is input. ✓ Moved 'None' to the top of 'Additional TB Risk Factors (select all that apply)' list and added a reminder to select at least one option. ✓ Changed question text 'Immigrant classification' to 'TB classification at immigration' ✓ End dated the question 'Immigrant status at first entry to the US.' Historic data will be preserved but this question will no longer appear for TB events. ✓ Changed question text 'Translator needed?' to 'Interpreter needed?' ✓ Changed month and year arrived in US to only be required if US born = No. ✓ Removed concern on TB Contact Events if 'Date contact identified is before date of last exposure.' ✓ Removed required from the read-only copy of '* Did patient move during therapy?' in the Treatment question package. Added 'Reporting laboratory type' question if sputum, culture, or NAAT result is unknown. ✓ Added 'Indicate cause of death' to RVCT wizard. ✓ Added a tooltip to input 1900 if 'Year arrived in US' is unknown. ✓ Updated the specimen, test performed, and result reference groups used by DRIVE.

Contact Information:

If you are experiencing any technical difficulties relating to your access to WDRS, please contact the Department of Health **Service Central** at: 360-236-4357 or ServiceCentral@doh.wa.gov

If you have any questions about the **Barium 2.3** system enhancements, and how they impact your work, please contact the appropriate Department of Health business office at:

Blood Lead: 360-236-4280 or lead@doh.wa.gov

General Communicable Diseases: 206-418-5500 or CommDisEpi@doh.wa.gov

Hepatitis B and D: 206-418-5500 or CommDisEpi@doh.wa.gov

Hepatitis C: 360-236-3390 or Hepatitis@doh.wa.gov

Tuberculosis: 360-236-3443 or TBservices@doh.wa.gov