

REAL WORLD TESTING PLAN

GENERAL INFORMATION

Plan Report ID Number	20241024ind
Developer Name	Indiana Health Information Exchange
Product Name(s)	Notifiable Condition Detector (NCD)
Version Number(s)	2.1
Certified Health IT Product List (CHPL) ID(s)	15.07.05.1674.IHIE.01.00.1.230330
Developer Real World Testing Plan Page URL	https://www.ihie.org/real-world-testing/

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

- Multiple days' worth of messages will be sent through the NCD. Conditions that are deemed reportable by IAC-410 (Indiana Administrative Code 410) to be flagged. NCD has one client and that is the Indiana Department of Health (IDOH). Counts by condition can be shared to show successful identification/processing.

STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS (SVAP))

Standard (and version)	No standards update
Updated certification criteria and associated product	N/A
Health IT Module CHPL ID	N/A
Date of ONC ACB notification	N/A
Date of customer notification	N/A
Conformance method and measurement/metric(s)	N/A

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Measurement/Metric	Description
Count of Conditions flagged by NCD	Count by condition - Anything flagged by NCD
Ability to export data on request	HL7 Messages by patient demographic query – Any messages processed by NCD

Associated Certification Criteria

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
Count of Conditions flagged by NCD	170.315(f)(3) Transmission to public health agencies -- reportable laboratory tests and value/results	
Ability to export data on request	170.315(b)(10) Electronic Health Information export	

Justification for Selected Measurement/Metric

Measurement/Metric	Justification
Count of Conditions flagged by NCD	Testing to prove successful transmission of laboratory-reportable findings to appropriate local, state, territorial and federal health agencies using the message
Ability to export data on request	Testing to prove that messages can be exported for patients

Care Setting(s)

Care Setting	Justification
Indiana Department of Health (IDOH)	Results from the NCD are sent to the epidemiologists with the IDOH. Our testing would include adding a count mechanism to provide counts by reportable condition flagged.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Count of Conditions flagged by NCD	<p>The intake of Electronic Lab Result data from IHIE-connected hospitals will go through an enhancement process within NCD that will produce “reportable results” of lab data on a particular patient for a reportable condition tracked by NCD (e.g., Measles). For real-world testing, we will aggregate reportable results out of NCD and document the count of observable results for each condition listed for the specified period. A condition will be successfully flagged if the ELR data triggers a corresponding condition using an existing LOINC (Logical Observation Identifiers Names and Codes) code within NCD.</p> <p>If there is a discrepancy or unexpected volume of reportable results for a particular condition based on IDOH findings, a workflow is triggered for diagnosing the issue. This typically includes troubleshooting improperly formatted HL7 data sent by the hospital, or a missing LOINC code for a condition that will then be added to NCD’s database by IHIE. There is ongoing communication and bi-weekly discussions between IHIE and the IDOH to address support issues and maintenance requests pertaining to NCD and ELR data.</p>
Ability to export data on request	<p>For this testing, patient demographic information will be passed into a query that can be used to export client data. The expected result of this query is a listing of all messages contained within the NCD database that match the patient demographics supplied.</p>

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Scheduling with IDOH, identifying resources on their side to assist with the testing	IDOH	2 days (Quarterly in the first month of each quarter 2025)
Flagging and delivering reportable lab results	IDOH	1 business week (Quarterly in the first month of each quarter 2025)
Daily reporting of forementioned flag results in email format by condition and location transmitted to the IDOH	IDOH	1 business week (Quarterly in the first month of each quarter 2025)
Testing to confirm that results can be exported by patient demographic query	IDOH	1 business week (Quarterly in the first month of each quarter 2025)

ATTESTATION

This Real World Testing plan is complete with all required elements, including measures that address all certification criteria and care settings. All information in this plan is up to date and fully addresses the health IT developer's Real World Testing requirements.

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Date	10/23/2024

ⁱ Certified health IT continues to be compliant with the certification criteria, including the required technical standards and vocabulary codes sets; certified health IT is exchanging EHI in the care and practice settings for which it is marketed for use; and EHI is received by and used in the certified health IT. (85 FR 25766)

ⁱⁱ <https://www.federalregister.gov/d/2020-07419/p-3582>