RCKMS Training Part 2

Council of State and Territorial Epidemiologists

Objectives

- **Review of RCKMS application and the default content.**
- **Working with reporting specifications**
  - **Searching and viewing reporting specifications**
  - **Viewing and editing reporting specifications**
    - **Details**
    - **Criteria and Logic Sets**
    - **Rules Logic**
    - **Internal and External References**
- **Deploying Reporting Specifications**
- **Creating and Running Test Cases using Test Case module**
- **Running Queries and Generating Report Output using Reports module**
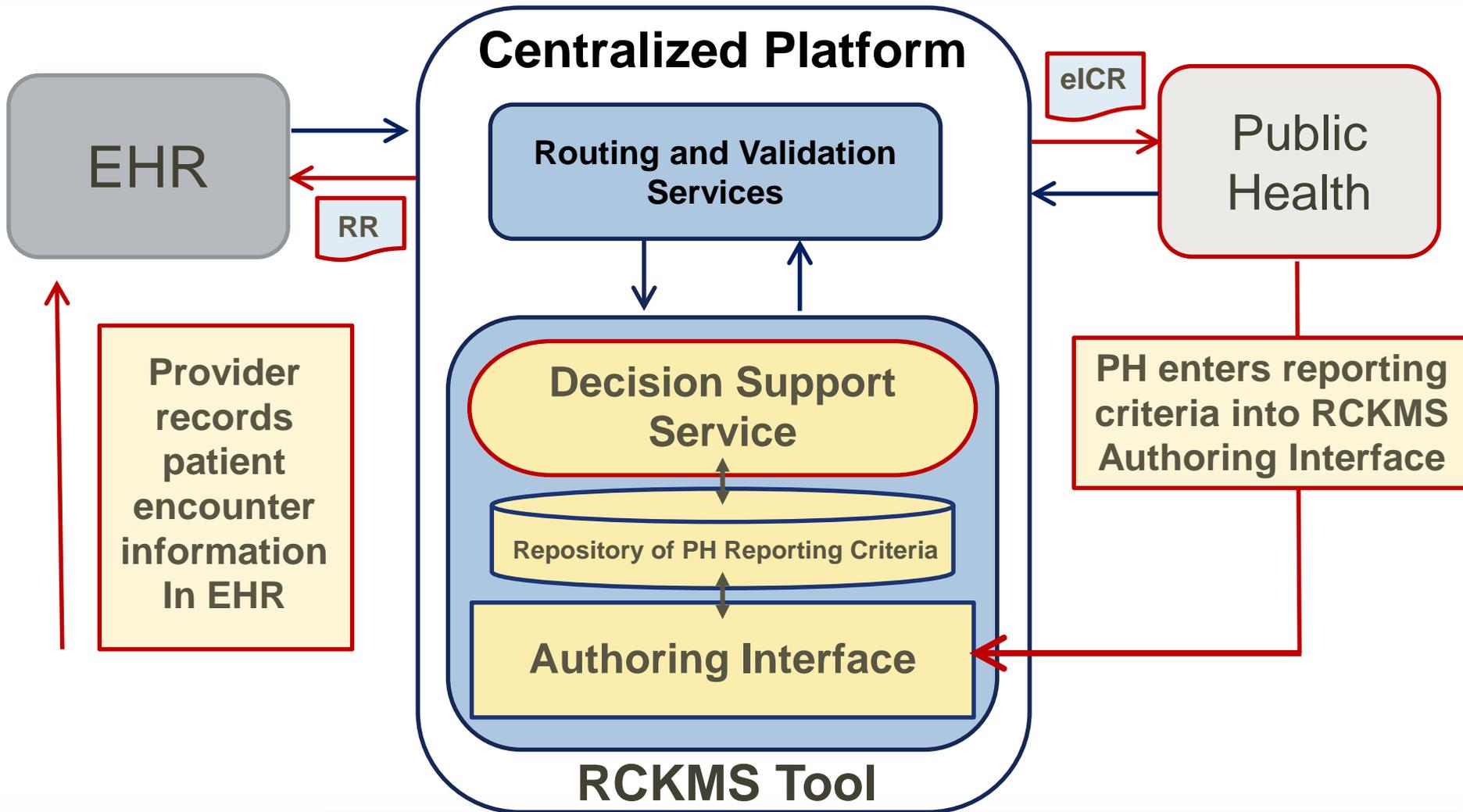
The RCKMS Project

RCKMS stands for:

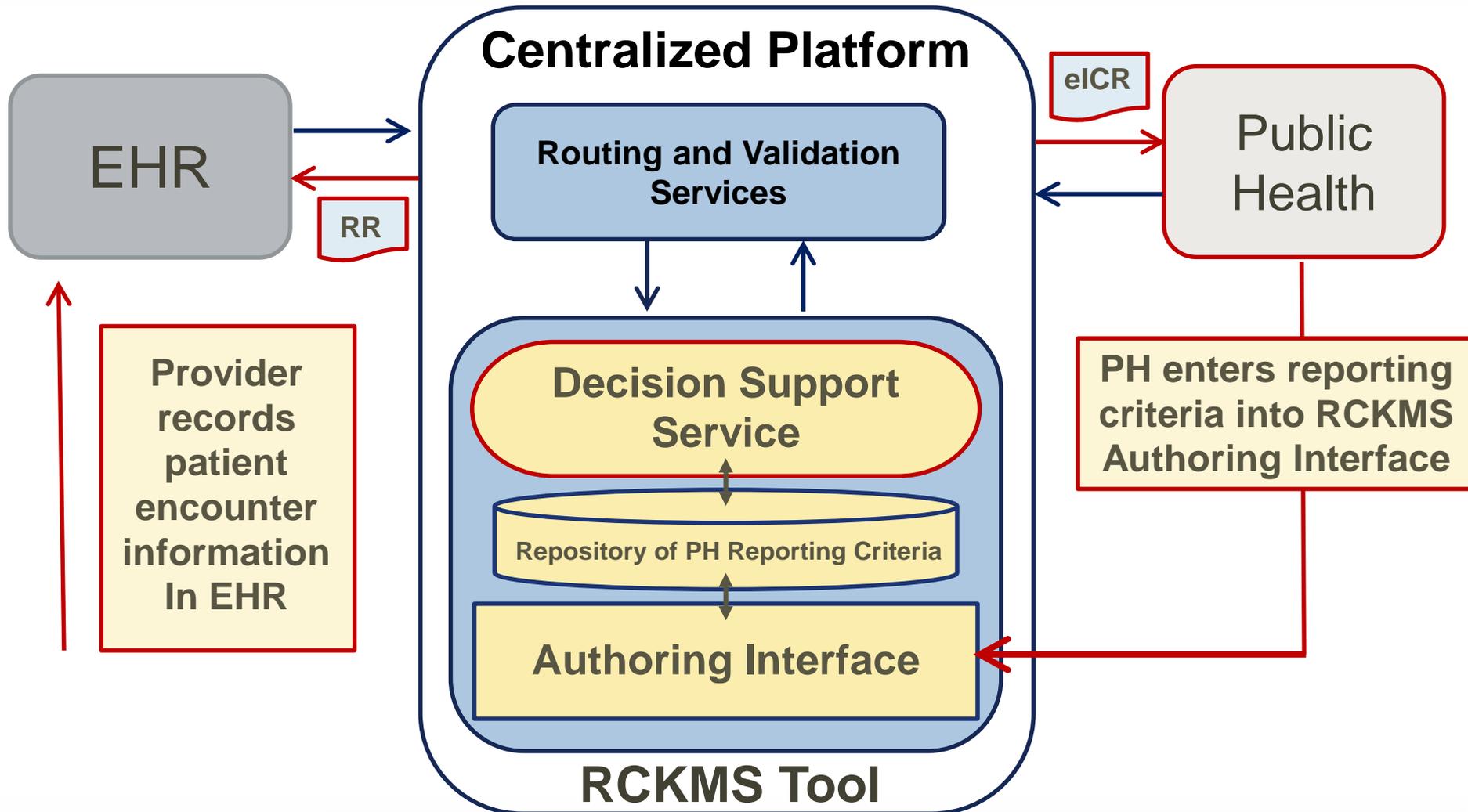**Reportable Conditions Knowledge Management System**

The RCKMS is:

an authoritative, real-time portal to enhance disease surveillance, by providing comprehensive information to reporters (and PH) about the "who, what, where, when, why, and how" of case reporting.

How RCKMS works

How RCKMS works

Centralized Platform

EHR

Public Health

RR

eICR

Routing and Validation Services

Decision Support Service

Repository of PH Reporting Criteria

Authoring Interface

RCKMS Tool

Provider records patient encounter information In EHR

PH enters reporting criteria into RCKMS Authoring Interface

Council of State and Territorial Epidemiologists

RCKMS Content Development Process: Consolidated Spreadsheet

Patient record being evaluated contains evidence of:		PROPOSED DEFAULT - LOGIC SETS					
		Lab Reporting	Provider / Facility Reporting				Vital Records
			(1)	(2)	(3)	(4)	
			LAB	DX	CLIN	CLIN + EPI	
Criterion Description	**Sta**						
Clinical	C						
Pertussis (i.e., as a Diagnosis or active Problem or mentioned in text as a cause of death or a significant condition contributing to death)	P			S			
Cough (any duration)	N;P				N	N	
At least one of the following symptoms: Inspiratory Whoop, paroxysmal cough, or post-tussive vomiting	P				N		
Laboratory	C						
Isolation of Bordetella pertussis by any method from a clinical specimen	P	S	S				
Detection of Bordetella Pertussis nucleic acid by any method in a clinical specimen	P	S	S				
Detection of *Bordetella pertussis* antigen by any method in a clinical specimen	P	S	S				
Detection of *Bordetella pertussis* antibodies by any method in a clinical specimen	P	S	S				

Criteria
Standardized **reporting criteria** listed in the left column, organized by category (i.e., Clinical, Laboratory)

Logic Set
Criteria are grouped into **logic sets** that indicate when a given reporter type should report to PH

Reporting Specification

Edit Reporting Specification

Details Criteria/Logic Sets **Specifications** Internal References External References

Reporting Specifications

	Vital Records (Vital Records)		Lab Reporting (Lab1)		Provider/Facility Reporting (Lab)		Provider/Facility Reporting (DX)		Provide (CLIN+
Reporting Timeframe	0	Select an Op	3	day(s)	3	day(s)	3	day(s)	3
Apnea	Select an Option		Select an Option		Select an Option		Select an Option		Sele
Lab test ordered for identification of Bordetella pertussis by organism-specific culture method in a clinical specimen, including identification tests performed on an isolate	Select an Option		Select an Option		Select an Option		Select an Option		Sele
Lab test ordered for detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	Select an Option		Select an Option		Select an Option		Select an Option		Sele
Lab ... of Bordetel anti... ice speci			Select an Option						
Det... ss antigen a clinical specimen (not currently impleme			Select an Option						
Age < 1 year			Select an Option		Select an Option				

Criteria

Standardized **reporting criteria** listed in the left column, organized by category (i.e., Clinical, Laboratory)

Logic Set

Criteria are grouped into **logic sets** that indicate when a given reporter type should report to PH

Navigating the RCKMS

Sign in to your account

| 👤 | Username |
| 🔒 | Password |

Sign in

Dashboard

Overview

Reporting Specifications

Test Cases

Reports

Welcome to RCKMS

Select a module from the Main Menu to get started.

Reporting Specification

Show [10 ▾] entries   Search: [   ]

Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	
N	Rotavirus	Vaccine Preventable Conditions	Not Published		kris.peterson	08/04/2017 11:12 AM	✎ 🗑
Y	Chlamydia	Sexually Transmitted Infections	Published	Default User	daryl	05/30/2017 3:14 PM	✎ 🗑
Y	Gonorrhea	Sexually Transmitted Infections	Published	Default User	daryl	06/02/2017 5:38 PM	✎ 🗑
Y	Pertussis	Vaccine Preventable Conditions	Published	Default User	daryl	06/05/2017 4:17 PM	✎ 🗑
Y	Salmonellosis	Enteric Diseases	Published	Default User	daryl	07/25/2017 7:47 PM	✎ 🗑
Y	Zika	Zoonotic and Vectorborne Diseases	Published	Default User	janet.hui	06/02/2017 5:40 PM	✎ 🗑
Nationally Notifiable?	**Condition Name**	**Category**	**Status**	**Assigned To**	**Created By**	**Last Updated**	

Previous [1] Next

[✚ Add Reporting Specification]   [⬆ Deploy Reporting Specifications]

Reporting Specification

Show [10 ▾] entries   Search: [SIS]

Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	
Y	Pertussis	Vaccine Preventable Conditions	Published	Default User	daryl	06/05/2017 4:17 PM	✏ 🗑
Y	Salmonellosis	Enteric Diseases	Published	Default User	daryl	07/25/2017 7:47 PM	✏ 🗑
Nationally Notifiable?	**Condition Name**	**Category**	**Status**	**Assigned To**	**Created By**	**Last Updated**	

Previous [1] Next

➕ Add Reporting Specification   ⬆ Deploy Reporting Specifications

Reporting Specification

Edit Reporting Specification

| Details | Criteria / Logic Sets | Specifications | Internal References | External References |

Name Pertussis (10190) ▾

Status Published ▾

Category Vaccine Preventable Conditions ▾

Start Date 03/22/2017 📅

NNC Code 10190

End Date 📅

Description Pertussis Reporting Specifications

Last Updated 06/05/2017 4:17 PM

Assigned To Default User ▾

Created By daryl

Specifications apply when

☑ Care is provided in this jurisdiction

☐ Lab is located in this jurisdiction

☑ Patient is a resident of this jurisdiction

Specimen Submission

☑ Laboratory Required to Submit a Specimen

Save Reporting Specification   Apply   Close

Reporting Specification

Edit Reporting Specification

| Details | **Criteria / Logic Sets** | Specifications | Internal References | External References |

Add criteria and logic sets that will be used in your reporting specifications. Click an item to add it to the specification (either criteria or logic set).

Logic Sets

Show [10 ▾] entries

Name ⇅	Reporter Type ⇅		
Lab1	Lab Reporting	✏	🗑
Lab	Provider/Facility Reporting	✏	🗑
DX	Provider/Facility Reporting	✏	🗑
CLIN+EPI	Provider/Facility Reporting	✏	🗑
CLIN	Provider/Facility Reporting	✏	🗑
Not Yet Implemented	Vital Records	✏	🗑

| Previous | **1** | Next |

➕ New Logic Set

Criteria

Label ⇅	Inactivate ⇅	Type ⇅

Criteria

Show [10] entries

Label ⇅	Inactivate ⇅	Type ⇅	
Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate	No	Laboratory	📝 🗑
Detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	No	Laboratory	📝 🗑
Detection of Bordetella pertussis toxin antibody by any method in a clinical specimen	No	Laboratory	📝 🗑
Cough	No	Clinical	📝 🗑
Inspiratory Whoop	No	Clinical	📝 🗑
Contact of a person with Pertussis (not currently implemented)	No	Epidemiologic	📝 🗑
Detection of Bordetella pertussis antigen by any method in a clinical specimen	No	Laboratory	📝 🗑
Member of a risk group as defined by public health authorities during an outbreak (not currently implemented)	No	Epidemiologic	📝 🗑
Detection of Bordetella pertussis antibody by any method in a clinical specimen	No	Laboratory	📝 🗑
Lab test ordered for (1) identification of Bordetella pertussis in a clinical specimen by organism-specific culture method, including identification tests performed on an isolate; or (2) detection of Bordetella pertussis nucleic acid in a clinical specimen by any method, excluding 'respiratory pathogen panels' (i.e., panels that include common respiratory pathogens other than Bordetella pertussis and Bordetella parapertussis)	No	Laboratory	📝 🗑

Previous   1   2   Next

✛ New Criteria

Save Reporting Specification   Apply   Close

Reporting Specification

Edit Reporting Specification

Details   Criteria / Logic Sets   **Specifications**   Internal References   External References

Reporting Specifications

	Lab Reporting (Lab1)		Provider/Facility Reporting (CLIN)		Provider/Facility Reporting (CLIN+EPI)		Provider/Facility Rep (DX)	
Reporting Timeframe	3 ⇕	day(s) ▾	3 ⇕	day(s) ▾	3 ⇕	day(s) ▾	3 ⇕	day(s)
Clinical Apnea		▾		▾		▾		
Cough		▾	Necessary	▾	Necessary	▾		
Inspiratory Whoop		▾	Necessary	▾		▾		
Paroxysmal Cough		▾		▾		▾		
Pertussis (as diagnosis or active problem)		▾		▾		▾	Sufficient	
Post-tussive Vomiting		▾		▾		▾		
Laboratory Detection of Bordetella pertussis antibody by any method		▾		▾		▾		

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Reporting Specification

Edit Reporting Specification

Details   Criteria / Logic Sets   Specifications   **Internal References**   External References

Add internal Links and References to be used by the PHA (not sent to the Reporter)

Show [10 ▾] entries

Name ⇅	Description ⇅	URL ⇅	Excerpt ⇅	
CSTE	CSTE	http://www.cste.org	CSTE	☑ 🗑
Name	**Description**	**URL**	**Excerpt**	

Previous   1   Next

+ Add Internal Reference

Save Reporting Specification   Apply   Close

Reporting Specification

Edit Reporting Specification

Details   Criteria / Logic Sets   Specifications   Internal References   **External References**

Add external Links and References to be sent to the Reporter

Show [10 ▾] entries

Name ⇅	Description ⇅	URL ⇅	Excerpt ⇅	
CDC	CDC Reference Guide for Pertussis	http://www.cdc.gov /pertussis/	Pertussis, also known as whooping cough, is a highly contagious respiratory disease. It is caused by the bacterium Bordetella pertussis. Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe. After fits of many coughs, someone with pertussis often needs to take deep breaths which result in a "whooping" sound. Pertussis can affect people of all ages, but can be very serious, even deadly, for babies less than a year old.	✎ 🗑
Name	**Description**	**URL**	**Excerpt**	

Previous [1] Next

➕ Add External Reference

Save Reporting Specification   Apply   Close

Reporting Specification

Show [10 ▾] entries

Search: [SIS]

Nationally Notifiable? ⇅	Condition Name ⇅	Category ⇅	Status ⇅	Assigned To ⇅	Created By ⇅	Last Updated ⇅	
Y	Pertussis	Vaccine Preventable Conditions	Published	Default User	daryl	06/05/2017 4:17 PM	✎ 🗑
Y	Salmonellosis	Enteric Diseases	Published	Default User	daryl	07/25/2017 7:47 PM	✎ 🗑
Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	

Previous [1] Next

➕ Add Reporting Specification   ⬆ Deploy Reporting Specifications

Contact Us

📍 1600 Clifton Road Atlanta, GA 30329
📞 800-CDC-INFO
📞 TTY: 888-232-6348
✉ rckms@cdc.gov

About RCKMS

The Reportable Conditions Knowledge Management System (RCKMS) is a real-time portal to enhance disease surveillance by providing comprehensive information on public health reporting criteria. The tool provides public health reporters about the "who,

Our Mission

➡ Strengthen disease surveillance in the United States
➡ Improve efficiency of public health reporting

Editing Reporting Specifications

Dashboard

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Show [10 ▾] entries

Search: [   ]

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Y	Chlamydia	Sexually Transmitted Infections	Published	Default User	daryl	05/30/2017 3:14 PM	✏🗑
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Y	Pertussis	Vaccine Preventable Conditions	Published	Default User	daryl	06/05/2017 4:17 PM	✏🗑
Y	Salmonellosis	Enteric Diseases	Published	Default User	daryl	07/25/2017 7:47 PM	✏🗑
Y	Zika	Zoonotic and Vectorborne Diseases	Published	Default User	janet.hui	06/02/2017 5:40 PM	✏🗑
Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	

Previous 1 Next

➕ Add Reporting Specification   ⬆ Deploy Reporting Specifications

Reporting Specification

Edit Reporting Specification

| Details | Criteria / Logic Sets | Specifications | Internal References | External References |

Name   Pertussis (10190) ▾

Status   Published ▾

Category   Vaccine Preventable Conditions ▾

Start Date   03/22/2017   📅

NNC Code   10190

End Date   📅

Description   Pertussis Reporting Specifications

Last Updated   06/05/2017 4:17 PM

Assigned To   Default User ▾

Created By   daryl

Specifications apply when

☑ Care is provided in this jurisdiction

☐ Lab is located in this jurisdiction

☑ Patient is a resident of this jurisdiction

Specimen Submission

☑ Laboratory Required to Submit a Specimen

Save Reporting Specification   Apply   Close

Reporting Specification

Edit Reporting Specification

Details	Criteria / Logic Sets	Specifications	Internal References	External References

Add criteria and logic sets that will be used in your reporting specifications. Click an item to add it to the specification (either criteria or logic set).

Logic Sets

Show [10 ▾] entries

Name ↕	Reporter Type ↕		
Lab1	Lab Reporting	☑	🗑
Lab	Provider/Facility Reporting	☑	🗑
DX	Provider/Facility Reporting	☑	🗑
CLIN+EPI	Provider/Facility Reporting	☑	🗑
CLIN	Provider/Facility Reporting	☑	🗑
Not Yet Implemented	Vital Records	☑	🗑

Previous **1** Next

+ New Logic Set

Criteria

Edit Logic Set   ✕

Enter the details for the logic set.

Logic Set Name

Lab1

Reporter Type

Lab Reporting ▾

Description

Enter up to a 500 character description

Save Logic Set   Cancel

Previous   1   Next

+ New Logic Set

Criteria

Show 10 ▾ entries

Label	Inactivate	Type		
Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate	No	Laboratory	✎	🗑
Detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	No	Laboratory	✎	🗑
Detection of Bordetella pertussis toxin antibody by any method in a clinical specimen	No	Laboratory	✎	🗑
Cough	No	Clinical	✎	🗑
Inspiratory Whoop	No	Clinical	✎	🗑
Contact of a person with Pertussis (not currently implemented)	No	Epidemiologic	✎	🗑
Detection of Bordetella pertussis antigen by any method in a clinical specimen	No	Laboratory	✎	🗑
Member of a risk group as defined by public health authorities during an outbreak (not currently implemented)	No	Epidemiologic	✎	🗑

Label ⇅		Inactivate ⇅	Type ⇅

Criteria

Show [10 ▾] entries

Label ⇅	Inactivate ⇅	Type ⇅	
Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate	No	Laboratory	✏🗑
Detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	No	Laboratory	✏🗑
Detection of Bordetella pertussis toxin antibody by any method in a clinical specimen	No	Laboratory	✏🗑
Cough	No	Clinical	✏🗑
Inspiratory Whoop	No	Clinical	✏🗑
Contact of a person with Pertussis (not currently implemented)	No	Epidemiologic	✏🗑
Detection of Bordetella pertussis antigen by any method in a clinical specimen	No	Laboratory	✏🗑
Member of a risk group as defined by public health authorities during an outbreak (not currently implemented)	No	Epidemiologic	✏🗑
Detection of Bordetella pertussis antibody by any method in a clinical specimen	No	Laboratory	✏🗑
Lab test ordered for (1) identification of Bordetella pertussis in a clinical specimen by organism-specific culture method, including identification tests performed on an isolate; or (2) detection of Bordetella pertussis nucleic acid in a clinical specimen by any method, excluding 'respiratory pathogen panels' (i.e., panels that include common respiratory pathogens other than Bordetella pertussis and Bordetella parapertussis)	No	Laboratory	✏🗑

Previous **1** 2 Next

➕ New Criteria

Save Reporting Specification   Apply   Close

Edit Criteria ✕

To setup the criteria for the condition, select a criteria template from the list then assign inputs in the box below.

ID 147feb2febeba55986d79dd7a0c9431c

Criteria Template

[Condition] (Diagnosis or active problem) **THE BA MUST UPDATE TEXT**

☐ **Inactivate**

Criteria Label

Cough

Criteria Input

- Patient has a diagnosis of == [Cough (RCKMS2a) ▾]

  OR

- **Group 1**
  - Patient has a problem of == [Cough (RCKMS2a) ▾]

    AND
  - Problem has status of == Active (active)

[Save Criteria]   [Cancel]

Label	Inactivate	Type		
Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate	No	Laboratory	✎	🗑
Detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	No	Laboratory	✎	🗑
Detection of Bordetella pertussis toxin antibody by any method in a clinical specimen	No	Laboratory	✎	🗑
Cough	No	Clinical	✎	🗑
Inspiratory Whoop	No	Clinical	✎	🗑
Contact of a person with Pertussis (not currently implemented)	No	Epidemiologic	✎	🗑
Detection of Bordetella pertussis antigen by any method in a clinical specimen	No	Laboratory	✎	🗑
Member of a risk group as defined by public health authorities during an outbreak (not currently implemented)	No	Epidemiologic	✎	🗑

Edit Criteria   ✕

To setup the criteria for the condition, select a criteria template from the list then assign inputs in the box below.

ID 147feb2febeba55986d79dd7a0c9431c

Criteria Template

[Condition] (Diagnosis or active problem) **THE BA MUST UPDATE TEXT**

☐ **Inactivate**

Criteria Label

Cough

Criteria Input

- Patient has a diagnosis of == [Cough (RCKMS2a) ▾]

OR

- **Group 1**

  Select an Option   ✕

  [cough   ]

  | Cough (RCKMS2a)   ✓ |
  | Paroxysmal Cough (RCKMS_C1) |
  | Paroxysmal Cough and Post-tussive Vomiting (RCKMSQA22) |

  - Patient has a problem

  AND

  - Problem has status of

[Save Criteria] [Cancel]

Label	Inactivate	Type		
Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate	No	Laboratory	☑	🗑
Detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	No	Laboratory	☑	🗑
Detection of Bordetella pertussis toxin antibody by any method in a clinical specimen	No	Laboratory	☑	🗑
Cough	No	Clinical	☑	🗑
Inspiratory Whoop	No	Clinical	☑	🗑
Contact of a person with Pertussis (not currently implemented)	No	Epidemiologic	☑	🗑
Detection of Bordetella pertussis antigen by any method in a clinical specimen	No	Laboratory	☑	🗑
Member of a risk group as defined by public health authorities during an outbreak (not currently implemented)	No	Epidemiologic	☑	🗑

Label ⇅	Inactivate ⇅	Type ⇅	

Criteria

Show [10 ▾] entries

Label ⇅	Inactivate ⇅	Type ⇅	
Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate	No	Laboratory	✎ 🗑
Detection of Bordetella pertussis nucleic acid by any method in a clinical specimen	No	Laboratory	✎ 🗑
Detection of Bordetella pertussis toxin antibody by any method in a clinical specimen	No	Laboratory	✎ 🗑
Cough	No	Clinical	✎ 🗑
Inspiratory Whoop	No	Clinical	✎ 🗑
Contact of a person with Pertussis (not currently implemented)	No	Epidemiologic	✎ 🗑
Detection of Bordetella pertussis antigen by any method in a clinical specimen	No	Laboratory	✎ 🗑
Member of a risk group as defined by public health authorities during an outbreak (not currently implemented)	No	Epidemiologic	✎ 🗑
Detection of Bordetella pertussis antibody by any method in a clinical specimen	No	Laboratory	✎ 🗑
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Previous 1 2 Next

＋ New Criteria

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Reporting Specification

Edit Reporting Specification

Details   Criteria / Logic Sets   **Specifications**   Internal References   External References

Reporting Specifications

	Lab Reporting (Lab1)	Provider/Facility Reporting (CLIN)	Provider/Facility Reporting (CLIN+EPI)	Provider/Facility Rep (DX)
Reporting Timeframe	3 ⇅ day(s) ▾	3 ⇅ day(s) ▾	3 ⇅ day(s) ▾	3 ⇅ day(s)
Clinical				
Apnea	▾	▾	▾	
Cough	▾	Necessary ▾	Necessary ▾	
Inspiratory Whoop	▾	Necessary ▾	▾	
Paroxysmal Cough	▾	▾	▾	
Pertussis (as diagnosis or active problem)	▾	▾	▾	Sufficient
Post-tussive Vomiting	▾	▾	▾	
Laboratory	▾	▾	▾	
Detection of Bordetella pertussis antibody by any method				

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Reporting Specification

Edit Reporting Specification

| Details | Criteria / Logic Sets | Specifications | Internal References | External References |

Add internal Links and References to be used by the PHA (not sent to the Reporter)

Show [10 ▾] entries

Name ⇅	Description ⇅	URL ⇅	Excerpt ⇅	
CSTE	CSTE	http://www.cste.org	CSTE	☑ 🗑
Name	**Description**	**URL**	**Excerpt**	

Previous **1** Next

➕ Add Internal Reference

Save Reporting Specification   Apply   Close

Edit Reference: CDC   ✕

Name	CDC
URL	http:// http://www.cdc.gov/pertussis/
URL Priority	Select an Option ▾
URL Category	Select an Option ▾
Description	CDC Reference Guide for Pertussis

Excerpt

Pertussis, also known as whooping cough, is a highly contagious respiratory disease. It is caused by the bacterium Bordetella pertussis.

Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe. After fits of many coughs, someone with pertussis often needs to take deep breaths which result in a "whooping" sound. Pertussis can affect people of all ages, but can be very serious, even deadly, for babies less than a year old.

Save Condition Reference   Cancel

Reporting Specification

Edit Reporting Specification

Details | Criteria / Logic Sets | Specifications | Internal References | **External References**

Add external Links and References to be sent to the Reporter

Show [10 ▾] entries

Name ⇅	Description ⇅	URL ⇅	Excerpt ⇅	
CDC	CDC Reference Guide for Pertussis	http://www.cdc.gov /pertussis/	Pertussis, also known as whooping cough, is a highly contagious respiratory disease. It is caused by the bacterium Bordetella pertussis. Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe. After fits of many coughs, someone with pertussis often needs to take deep breaths which result in a "whooping" sound. Pertussis can affect people of all ages, but can be very serious, even deadly, for babies less than a year old.	🖉 🗑
Name	**Description**	**URL**	**Excerpt**	

Previous | 1 | Next

+ Add External Reference

Save Reporting Specification | Apply | Close

Main Menu ▾   System Menu ▾

🏠 Home   ℹ About RCKMS   ⚙ ▾

Edit Reference: CDC

×

Name

CDC

URL

http://www.cdc.gov/pertussis/

URL Priority

Information Only

URL Category

Additional Resources

Description

CDC Reference Guide for Pertussis

Excerpt

Pertussis, also known as whooping cough, is a highly contagious respiratory disease. It is caused by the bacterium Bordetella pertussis.

Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe. After fits of many coughs, someone with pertussis often needs to take deep breaths which result in a "whooping" sound. Pertussis can affect people of all ages, but can be very serious, even deadly, for babies less than a year old.

Save Condition Reference   Cancel

Contact Us

📍 1600 Clifton Road Atlanta, GA 30329

📞 800-CDC-INFO

📞 TTY: 888-232-6348

✉ rckms@cdc.gov

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Our Mission

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➡ Improve efficiency of public health reporting

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Show [10 ▾] entries

Name ⇅	Description ⇅	URL ⇅	Excerpt ⇅	
CDC	CDC Reference Guide for Pertussis	http://www.cdc.gov /pertussis/	Pertussis, also known as whooping cough, is a highly contagious respiratory disease. It is caused by the bacterium Bordetella pertussis. Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe. After fits of many coughs, someone with pertussis often needs to take deep breaths which result in a "whooping" sound. Pertussis can affect people of all ages, but can be very serious, even deadly, for babies less than a year old.	✎ 🗑
Name	**Description**	**URL**	**Excerpt**	

Previous **1** Next

➕ Add External Reference

Save Reporting Specification   Apply   Close

Main Menu ▾   System Menu ▾   🏠 Home   💬 Help   ⓘ About RCKMS   ⚙ ▾

Reporting Specification

Show [10 ▾] entries   Search: [   ]

Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	
N	Rotavirus	Vaccine Preventable Conditions	Not Published		kris.peterson	08/04/2017 11:12 AM	✎ 🗑
Y	Chlamydia	Sexually Transmitted Infections	Published	Default User	daryl	05/30/2017 3:14 PM	✎ 🗑
Y	Gonorrhea	Sexually Transmitted Infections	Published	Default User	daryl	06/02/2017 5:38 PM	✎ 🗑
Y	Pertussis	Vaccine Preventable Conditions	Published	Default User	daryl	06/05/2017 4:17 PM	✎ 🗑
Y	Salmonellosis	Enteric Diseases	Published	Default User	daryl	07/25/2017 7:47 PM	✎ 🗑
Y	Zika	Zoonotic and Vectorborne Diseases	Published	Default User	janet.hui	06/02/2017 5:40 PM	✎ 🗑
Nationally Notifiable?	**Condition Name**	**Category**	**Status**	**Assigned To**	**Created By**	**Last Updated**	

Previous   [1]   Next

+ Add Reporting Specification   **⬆ Deploy Reporting Specifications**

Deploying Reporting Specifications

Reporting Specification

Edit Reporting Specification

| Details | Criteria / Logic Sets | Specifications | Internal References | External References |

Name   Pertussis (10190) ▾

Category   Vaccine Preventable Conditions ▾

NNC Code   10190

Description   Pertussis Reporting Specifications

Assigned To   Default User ▾

Status   Published ▾

Start Date   03/22/2017 📅

End Date   📅

Last Updated   06/05/2017 4:17 PM

Created By   daryl

Specifications apply when

☑ Care is provided in this jurisdiction

☐ Lab is located in this jurisdiction

☑ Patient is a resident of this jurisdiction

Specimen Submission

☑ Laboratory Required to Submit a Specimen

Save Reporting Specification   Apply   Close

Reporting Specification

Show [10] entries

Search: [   ]

Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	
N	Rotavirus	Vaccine Preventable Conditions	Not Published		kris.peterson	08/04/2017 11:12 AM	✎ 🗑
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Nationally Notifiable?	**Condition Name**	**Category**	**Status**	**Assigned To**	**Created By**	**Last Updated**	

Previous **1** Next

＋ Add Reporting Specification   **⬆ Deploy Reporting Specifications**

Main Menu ▾   System Menu ▾

Published Deployment Results   ✕

Knowledge Module: RCKMS^gov.cdc.rckms.default

Deployed Conditions:

Zika (50223)

Version: 1.0.0

Description: Zika Reporting Specifications

Pertussis (10190)

Version: 1.0.0

Description: Pertussis Reporting Specifications

Chlamydia (10274)

Version: 1.0.0

Description: Chlamydia Reporting Specifications

Gonorrhea (10280)

Version: 1.0.0

Description: Gonorrhea Reporting Specifications

Salmonellosis (11000)

Version: 1.0.0

Description: Salmonellosis Reporting Specifications

Close

tool provides public health reporters about the "who, what, when, where, and how" of reporting.

Reporting Specification

Show [10 ▾] entries   Search: [_____]

Nationally Notifiable?	Condition Name	Category	Status	Assigned To	Created By	Last Updated	
N	Rotavirus	Vaccine Preventable Conditions	Not Published		kris.peterson	08/04/2017 11:12 AM	✎ 🗑
Y	Chlamydia	Sexually Transmitted Infections	Published	Default User	daryl	05/30/2017 3:14 PM	✎ 🗑
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Nationally Notifiable?	**Condition Name**	**Category**	**Status**	**Assigned To**	**Created By**	**Last Updated**	

Previous [1] Next

➕ Add Reporting Specification   **⬆ Deploy Reporting Specifications**

Creating and Running Test Cases

Test Cases

Select a reporting specification to view its associated test cases. You can run each test case individually or in batches by selection.

Reporting Specification   [Select an Option ▾]

Show [10 ▾] entries   Search: [_____]

Name ↕	Payload Type ↕
No data available in table	
Name	**Payload Type**

[Previous] [Next]

➕ Add Test Case

Test Cases

Select a reporting specification to view its associated test cases. You can run each test case individually or in batches by selection.

Reporting Specification   Pertussis (10190) ▾

Show [10 ▾] entries   Search: [   ]

Name ⇅	Payload Type ⇅			
eicr diagnosis	E_ICR	✎	🗑	▶
eicr Diagnosis 2 - deleted entryRelationship	E_ICR	✎	🗑	▶
Pertussis - 100 > Diagnosis > Criteria > Pertussis (as diagnosis or active problem) > Patient has a diagnosis of [[VS:Pertussis (Disorders)]RCKMS5d] > Reportable: Y		✎	🗑	▶
Pertussis -101 > Problem > Criteria > Pertussis (as diagnosis or active problem) > Patient has a problem list entry of [[VS:Pertussis (Disorders)]RCKMS5d] > Problem has a status of (Active) > Reportable : Y		✎	🗑	▶
Pertussis -103 > Problem > Criteria > Pertussis (as diagnosis or active problem) > Patient has a problem list entry of [[VS:Pertussis (Disorders)]RCKMS5d] > Reportable : N		✎	🗑	▶
Pertussis -104 > Problem > Criteria > Pertussis (as diagnosis or active problem) > Problem has a status of (Active) > Reportable : N		✎	🗑	▶
Pertussis - 200 > Lab > Criteria > Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate > Patient has lab result with test name of [[VS: Pertussis (Tests for Bordetella pertussis by Culture and Identification Method)]RCKMSQ12] > Lab result value of (ordinal) [[VS: Lab Result with Present or Positive Value] RCKMS4a] > Reportable : Y		✎	🗑	▶
Pertussis - 201 > Lab > Criteria > Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate > Patient has lab result with test name of [[VS: Pertussis (Tests for Bordetella pertussis by Culture and Identification Method)]RCKMSQ12] > lab result value of (nominal)[VS: Pertussis (Organism or Substance in Lab Results)] RCKMS1d] > Reportable : Y		✎	🗑	▶
Pertussis - 202 > Lab > Criteria > Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate > Patient has lab result with test name of [[VS: Pertussis (Tests for Bordetella pertussis by Culture and Identification Method)]RCKMSQ12] > lab result value interpretation of [[VS: Abnormal Interpretation of an Observation]RCKMS5a] > Reportable : Y		✎	🗑	▶
Pertussis - 203 > Lab > Criteria > Identification of Bordetella pertussis by culture method in a clinical specimen, including identification tests performed on an isolate > Patient has lab result with test name of [VS: Pertussis (Tests for Bordetella pertussis by Culture and Identification Method)] > Lab result value of [Blank] > Reportable : N		✎	🗑	▶
Name	Payload Type			

Test Cases

Edit Test Case

| Details | Test Subject | Test Inputs |

Reporting Specification   Pertussis (10190)

☑ Condition Expected to be Reportable
☐ Skip this test

Name

```
TC_PER_C_001.1.1
Diagnosis of = Pertussis (Disorders)
```

Description

```
Patient has a diagnosis of = Pertussis (Disorders)
```

Reporter Type

```
Provider/Facility Reporting                    ▾
```

Run Test

Save Test Case   Apply   Close

Main Menu ▾   System Menu ▾

🏠 Home   💬 Help   ⓘ About RCKMS   ⚙ ▾

Test Cases

Edit Test Case

Details | **Test Subject** | Test Inputs

Specify the subject's gender then select the test type to complete the date specifications.

Gender   [Undifferentiated (UN) ▾]

Test Type   ⦿ Offset-Based   ◯ Date-Based

Age Offset   [Offset in years, months and days]

Run Test   **Save Test Case**   Apply   Close

Contact Us

📍 1600 Clifton Road Atlanta, GA 30329

📞 800-CDC-INFO

📞 TTY: 888-232-6348

✉ rckms@cdc.gov

About RCKMS

The Reportable Conditions Knowledge Management System (RCKMS) is a real-time portal to enhance disease surveillance by providing comprehensive information on public health reporting criteria. The tool provides public health reporters about the "who, what, when, where, and how" of reporting.

Our Mission

➤ Strengthen disease surveillance in the United States
➤ Improve efficiency of public health reporting

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Specify the subject's gender then select the test type to complete the date specifications.

Gender   Undifferentiated (UN) ▾

Test Type   ◉ Offset-Based   ○ Date-Based

Age Offset   Offset in years, months and days

Run Test

Save Test Case   Apply   Close

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Test Cases

Edit Test Case

| Details | Test Subject | Test Inputs |

Specify the input source for the test case (criteria or file), then either add the appropriate inputs from a criteria template or upload a file from your computer containing the same information.

Select a Test Source ⦿ Criteria ○ File

Test Case Inputs

Label ⇅	Criteria Type ⇅	Method ⇅	
Pertussis (Diagnosis or active problem)	TESTCASE	DIAGNOSIS	✎ 🗑
Label	**Criteria Type**	**Method**	

➕ Add Test Case Input

Expected Criteria

Label ⇅		
Pertussis (as diagnosis or active problem)		✎ 🗑
Label		

➕ Add Expected Criteria

Run Test

Save Test Case   Apply   Cancel

RCKMS

Main Menu ▾   System Menu ▾   🏠 Home   💬 Help   ⓘ About RCKMS   ⚙ ▾

Edit Test Case Input   ✕

To setup the inputs for this test case, select a template from the list then assign inputs in the box below.

ID 2c8621831c1321fd1bff1bf282255b53

Criteria Template

(Test Case) [Condition] (Diagnosis or active problem) **THE BA MUST UPDATE TEXT**

Criteria Label

| Pertussis (Diagnosis or active problem) |

Criteria Input

- Patient has a diagnosis of ==   [Pertussis (Disorders) (RCKMS5d) ▾]

   OR

- **Group 1**
   - Patient has a problem of ==   [Nothing selected ▾]

      AND

   - Problem has status of ==   [Nothing selected ▾]

[Save Test Case Input]   [Apply]   [Close]

Label

Pertussis (as diagnosis or active problem)   ✎ 🗑

Label

[✚ Add Expected Criteria]

[Run Test]   [Save Test Case] [Apply] [Cancel]

Test Cases

Edit Test Case

Details   Test Subject   **Test Inputs**

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Select a Test Source   ◉ Criteria   ○ File

Test Case Inputs

Label ⇅	Criteria Type ⇅	Method ⇅		
Pertussis (Diagnosis or active problem)	TESTCASE	DIAGNOSIS	✎ 🗑	
Label	**Criteria Type**	**Method**		

<div align="center">

➕ Add Test Case Input

</div>

Expected Criteria

Label ⇅		
Pertussis (as diagnosis or active problem)	✎ 🗑	
Label		

<div align="center">

➕ Add Expected Criteria

</div>

Run Test   **Save Test Case**   Apply   Cancel

Test Results ✕

Test Results for TC_PER_C_001.1.1 Diagnosis of = Pertussis (Disorders)

Summary			
Reporter Type	Provider/Facility Reporting	**Duration**	3233.405173 ms
Test Result	Passed		
Expected Reportable	Yes		
Actual Reportable	Yes		
Expected Reportable Condition	Pertussis (10190)		
Actual Reportable Conditions	Pertussis (10190)		
Expected Criteria Met	Pertussis (as diagnosis or active problem)		
Actual Criteria Met	Pertussis (as diagnosis or active problem)		

Jurisdiction Information

Test Subject

Test Inputs

Logs and Messages

Links and References

Input XML

Output XML

Close

Jurisdiction Information

DEFAULT knowledge module is not associated with a jurisdiction.

Test Subject

Gender	Undifferentiated (UN)
Test Type	Offset-Based
Age Offset	

Test Inputs

Test Source Criteria

Pertussis (Diagnosis or active problem)	TESTCASE - DIAGNOSIS

Expected Criteria to Fire

Pertussis (as diagnosis or active problem)	CLINICAL

Logs and Messages

Service Messages	getJurisdictionDTO No jurisdiction found for DEFAULT
	OpenCDS invocation ran successfully for knowledge module RCKMS^gov.cdc.rckms.default^1.0.0.
	Service request completed successfully.
Message Log	rckmsOutput response code: 200
	A reporting jurisdiction was reported for: DEFAULT
	A reportable condition code was reported: (10190)
Error Log	

Links and References

Input XML

Output XML

Running Queries and Generating Report Output

Reports

Select a report from the list of available reports then choose the Jurisdiction Scope for which it should be run. Once you choose the scope, setup the remaining criteria for the report before running it.

Report

Select an Option ▾

Jurisdiction Scope

Select an Option ▾

Status

Select an Option ▾

Condition

Select an Option ▾

Run Report

Contact Us

📍 CSTE National Office
2872 Woodcock Boulevard, Suite 250
Atlanta GA 30341
📞 Phone: 770-458-3811
🔗 Feedback Form

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Select an Option ▾

Jurisdiction Scope

Select an Option ▾

Status

Select an Option ▾

Condition

Select an Option ▾

Run Report

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Reports

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Report

Select an Option ▾

Jurisdiction Scope

Select an Option ▾

Status

Select an Option ▾

Condition

Select an Option ▾

Run Report

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Summary Report

Summary Information

Condition	*Pertussis*
Revision	1.0.0
Knowledge Module	RCKMS - gov.cdc.rckms.default - 1.0.0
Description	Pertussis Reporting Specifications
Nationally Notifiable Event Code	10190

Reportable Condition Details

Status	Published
Assigned To	Default Admin User
Effective Start Date	3/22/2017
Effective End Date	

RCKMS

Summary Information

Condition	*Salmonellosis*
Revision	1.0.0
Knowledge Module	RCKMS - gov.cdc.rckms.default - 1.0.0
Description	Salmonellosis Reporting Specifications
Nationally Notifiable Event Code	11000

Reportable Condition Details

Status	Published
Assigned To	Tony DaSilva
Effective Start Date	3/16/2017
Effective End Date	

Wrap-Up and Questions

Objectives

- **Overview of RCKMS application**
- **How RCKMS represents default content.**
- **Working with reporting specifications**
  - **Searching and viewing reporting specifications**
  - **Viewing and editing reporting specifications**
    - **Details**
    - **Criteria and Logic Sets**
    - **Rules Logic**
- **Deploying Reporting Specifications**
- **Creating and Running Test Cases using Test Case module**
- **Running Queries and Generating Report Output using Reports module**

Council of State and Territorial Epidemiologists

Thank You!

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