



PRIMIS

Specification

Prenatal Pertussis Vaccination Uptake Monthly Reporting Specification 2014

Dataset Specification

Date Specification:

Reference date	Last day of the survey month = REF_DAT
Start date	1 st day of the survey month = START_DAT

1) Patient selection criteria:

a) Registration status

<u>Current registration status</u>	<u>Qualifying criteria</u>
Currently registered	Most recent registration date <= (REF_DAT)
Previously registered	Any sequential pairing of registration date and deregistration date where both of the following conditions are met: registration date <= (REF_DAT); AND deregistration date >(REF_DAT)

<u>Action</u>	<u>Criteria</u>
Exclude	Age < 10 years at REF_DAT

b) Diagnostic code status

<i>Code criteria</i>	<i>Qualifying diagnostic codes</i>		<i>Time criteria</i>
<i>Included</i>	<i>Read Codes v2</i>	<i>CTV3</i>	Earliest <= (REF_DAT) AND >=(START_DAT)
	63E%, 7F12%, 7F13%, 7F14%, 7F15%, 7F16%, 7F17%, 7F18%, 7F19%, 7F1A0, L20%, L213%, L395%, L396%, L397%, L398%, Ly0,Ly1, Lyu5%, ZV27%	63E1, 7F18%, 7F18y, 7F190, 7F19y 7F19z, Lyu5, X404y%, X40CI%, XE2QS%, Xa4TH, Xa4TL%, Xa9LY%, ZV27%	
	<i>Delivery codes</i>		

2. Clinical data extraction criteria

<i>Field Number</i>	<i>Field name</i>	<i>Data item</i>		<i>Qualifying criteria</i>
1	PAT_ID	Patient ID number		Unconditional
2	REG_DAT	Date of patient registration		Latest <= REF_DAT
3	DEL_COD	<i>Read v2</i>	<i>CTV3</i>	Earliest <= REF_DAT AND >=START_DAT
		63E%, 7F12%, 7F13%, 7F14%, 7F15%, 7F16%, 7F17%, 7F18%, 7F19%, 7F1A0, L20%, L213%, L395%, L396%, L397%, L398%, Ly0,Ly1, Lyu5%, ZV27%	63E1, 7F18%, 7F18y, 7F190, 7F19y, 7F19z, Lyu5, X404y%, X40Cl%, XE2QS%, Xa4TH, Xa4TL%, Xa9LY%, ZV27%	
		<i>(Delivery codes)</i>		
4	DEL_DAT	Date of DEL_COD		Chosen record
5	PRETERM_COD	<i>Read codes v2</i>	<i>CTV3</i>	Earliest < =REF_DAT AND >=START_DAT
		6356, 6357	XaCJR, XaCK4	
		<i>(Preterm delivery <28/40 codes)</i>		
6	PRETERM_DAT	Date of PRETERM_COD		Chosen record
7	PERTUSS_COD	<i>Read v2</i>	<i>CTV3</i>	Latest <REF_DAT
		655%, 65I%, 65MH, 65MI, 65MJ, 65MK, 65MP, 65MQ, ZV036, ZV061, ZV063	655%, 65I%, XaE4V%, XaK4w, XaONV, XaPti, Xab9N, ZV036, ZV061, ZV063	

		<i>(Codes for Pertussis vaccination administration)</i>		
8	PERTUSS_DAT	Date of PERTUSS_COD		Chosen record
9	PERTUSRX_COD	<i>Read v2</i>	<i>CTV3</i>	Latest <REF_DAT
		n45p, n45q, n45t, n45u, n45v, n45w,n4y%	n45v, n45w, n4y%, x05ud%, x05uf%, x05ug	
		<i>(Codes for Pertussis vaccination prescriptions)</i>		
10	PERTUSRX_DAT	Date of PERTUSRX_COD		Chosen record
11	PERTUSSDECL_COD	<i>Read v2</i>	<i>CTV3</i>	Latest <REF_DAT
		8IEc	Xaa6Y	
		<i>(Codes for declined Pertussis vaccination)</i>		

12	PERTUSSDECL_DAT	Date of PERTUSSDECL_COD	Chosen Record
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Indicator Ruleset

Indicator: The number of pregnant women who delivered in the survey month, whose delivery occurred after 28 weeks gestation, who have received a pertussis vaccination in the 14 weeks prior to delivery.

This is to be applied after the patient selection criteria outlined above at point 1.

a) Denominator ruleset

<u>Rule number</u>	Rule	<u>Action if true</u>	<u>Action if false</u>
1	If PRETERM_DAT ≠ NULL	Reject	Next
2	If DEL_DAT ≠ NULL	Select	Reject

b) Numerator ruleset 1.

To be applied to the denominator population above.

<u>Rule number</u>	Rule	<u>Action if true</u>	<u>Action if false</u>
1	If PERTUSS_DAT >= DEL_DAT - 14 WEEKS	Select	Next
2	If PERTUSRX_DAT >= DEL_DAT - 14 WEEKS	Select	Reject

c) Numerator ruleset 2.

To be applied to the denominator population above. This identifies the number of women who have declined pertussis vaccination during their pregnancy.

<u>Rule number</u>	<u>Rule</u>	<u>Action if true</u>	<u>Action if false</u>
1	If PERTUSS_DAT >= DEL_DAT – 14 WEEKS	Reject	Next
2	If PERTUSRX_DAT >= DEL_DAT – 14 WEEKS	Reject	Next
3	If PERTUSSDECL_DAT >= DEL_DAT – 14 WEEKS	Select	Reject

Additional Notes:

The patient selection criteria exclude any woman registered after the end of the survey month and select any woman with a delivery date in the survey month. It also excludes any person aged under 10 years to exclude any children who may have had a delivery code erroneously added to their record.

It should be noted that the vaccination terms specified include a wider set of pertussis terms than should be strictly proscribed, to allow for users selecting terms such terms as “Pertussis vaccination”.

Denominator

Rule 1 – checks to see if there is a record of a preterm pregnancy before 28 weeks gestational age and if there is removes the woman from the denominator.

Rule 2 – checks that the woman has had a delivery in the survey month

Numerator 1.

Rule 1 checks for any pertussis vaccination administration code in the 14 weeks before the date of delivery

Rule 2 checks for any pertussis vaccination prescription code in the 14 weeks before the date of delivery.

Numerator 2.

Rules 1 and 2 look for any woman who has received a pertussis immunisation during this pregnancy.

Rule 3 checks for any woman who has declined a pertussis vaccination in the 14 weeks prior to their delivery.

Change Log		
Date	Author	Change
24/4/14	DE	Amendment of code in DEL_COD (CTV3) from 7F19Y to 7F19y