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Pertussis Vaccination in Pregnancy Recording Advice

This advice is published by PRIMIS in support of the Immform programme on monitoring pertussis vaccination in pregnancy and outlines appropriate data recording strategies for Primary Care using V2 READ codes and Clinical Terms Version 3 (CTV3).

Guidance on the immunisation strategy itself can be obtained online at:
http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb_C/1317136400742

Pertussis vaccination should be offered to all pregnant women after the 28th week of their pregnancy to improve protection of the newborn.

The monitoring programme will be run by the GP system supplier as a series of automatic queries on a monthly basis. The extraction will take place at least 3 weeks after the end of the target month to allow for delayed data capture.

The denominator is the number of women who delivered, at more than 28 weeks gestation in the target month. The numerator is the number of these women who received a pertussis vaccine in the 14 weeks prior to delivery. (*Note: it is recommended that the vaccine is administered between 28 and 38 weeks of gestation; the timeframes for data extraction reflect the likely pattern of vaccine administration allowing for deliveries up until 42 weeks gestation*).

The number of women from the above denominator population who have declined pertussis vaccination, (and not subsequently received it), will also be counted.

To this end practices need to record the following information:

- The date and type of delivery
- The administration of any pertussis vaccination
- Whether the delivery was premature at a gestation of less than 28 weeks
- Whether the woman has declined to be vaccinated

The following lists detail the appropriate codes that should be recorded to represent the above information in either V2 or CTV3 systems. It should be noted that the codes listed here are a subset of those that will be extracted.

1. **Representation of Premature Delivery**

V2 Read codes		CTV3 Read codes	
6356.	Baby premature 26-28 weeks	XaCK4	Baby premature 26-28 weeks
6357.	Baby premature 24-26 weeks	XaCJR	Baby premature 24-26 weeks

2. **Refusal of Pertussis Vaccination in Pregnancy**

V2 Read codes		CTV3 Read codes	
8IEc.	Pertussis vaccination in pregnancy declined	Xaa6Y	Pertussis vaccination in pregnancy declined

3. **Pertussis Vaccination (either administration code or prescription code)**

Be aware that GP systems may vary in how they capture vaccination information. A wider set of codes is searched for in the monitoring process.

Administration of Pertussis Vaccines			
V2 Read codes		CTV3 Read codes	
65MP.	Booster diphtheria, tetanus, acellular pertussis, haemophilus influenzae type b, inactivated polio vaccination	XaONV	Booster diphtheria, tetanus, acellular pertussis, haemophilus influenzae type b, inactivated polio vaccination
65MQ.	Booster diphtheria tetanus and three component acellular pertussis, haemophilus influenzae type b, inactivated polio vaccination	XaPti	Booster diphtheria tetanus and three component acellular pertussis, haemophilus influenzae type b, inactivated polio vaccination
65I8.	Low dose diphtheria, tetanus, five component acellular pertussis and inactivated polio vaccination	XaK4w	Low dose diphtheria, tetanus, five component acellular pertussis and inactivated polio vaccination
65I9.	Booster diphtheria, tetanus, acellular pertussis and inactivated polio vaccination	XaLvG	Booster diphtheria, tetanus, acellular pertussis and inactivated polio vaccination
ZV036	[V]Pertussis vaccination	ZV036	[V]Pertussis vaccination
ZV063	[V]Diphtheria-tetanus-pertussis with poliomyelitis (DTP + polio) vaccination	ZV063	[V]Diphtheria-tetanus-pertussis with poliomyelitis (DTP + polio) vaccination

Prescription of Pertussis Vaccines
Drug names
Pediacel – (DTaP/IPV/Hib)
Repevax – (dTaP/IPV) – *preferred vaccine*
Infanrix IPV – (DTaP/IPV)

4. **Type of Delivery**

Be aware that a wider set of codes is searched for and these codes are given as examples. Those codes marked with an * are parent codes where all daughter codes are extracted.

V2 Read codes		CTV3 codes	
L20..	Normal delivery in a completely normal case *	XE2QS	Normal delivery *
7F19.	Normal delivery *	7F19.	Normal delivery procedure

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7F150	Spontaneous breech delivery	7F150	Spontaneous breech delivery
Ly1..	Spontaneous breech delivery		
Ly0..	Spontaneous vertex delivery	XaBsU	Spontaneous vertex delivery
7F14.	Breech extraction delivery *	7F14.	Breech extraction delivery
L395.	Forceps delivery*	Xa8Pq	Forceps delivery
7F16.	Forceps cephalic delivery *	7F16.	Forceps cephalic delivery
L396.	Vacuum extractor delivery *	L3961	Vacuum extractor delivery - delivered
7F17.	Vacuum delivery *	7F17.	Vacuum delivery
7F12.	Elective caesarean delivery *	7F12.	Elective caesarean delivery
L3983	Delivery by elective caesarean section	L3983	Delivery by elective caesarean section
L3984	Delivery by emergency caesarean section	L3984	Delivery by emergency caesarean section
7F133	Emergency caesarean section	XM0tg	Emergency caesarean section

Further information including the supporting business rules can be obtained from PRIMIS at
www.nottingham.ac.uk/primis