

D2D 2.0 – Childhood Immunization Queries for Accuro

Please Note

- **If you choose to build your own queries, please consider using the criteria below.**
- **Age:** Since Accuro does not have the capability to query by birthdate, we must calculate how old patients are as of the date you run the query.
e.g. for patients who are aged 30 to 42 months as of March 31, 2015, they are approximately aged 32 months (2 Years 8 Months) to 44 months (3 Years 8 Months) as of May 19, 2015.
- **Immunizations** are based on the Publicly Funded Immunization Schedules for Ontario – [March 2015](#)
- Due to the complexity of immunizations in the Accuro EMR, we have opted to use billing codes, as below:

	Vaccine	Doses	Immunization Fees / Billing Code
Diphtheria, tetanus, pertussis, polio, haemophilus influenza type b	DTaP-IPV-Hib (Pediace)l	4	G841A
Pneumococcal conjugate	Prevnar-13	3	G846A
Meningococcal conjugate	Men-C	1	G844A
Measles, mumps and rubella	MMR, Priorix	1	G845A
Varicella	VAR	1	G848A
All Completed			Q132A

- **Option:** You may choose to search for individual immunizations given to each patient.

However, the naming conventions of the vaccines vary across Accuro users. Furthermore, the query builder does not search immunizations by “instance”.

For example, to ensure a patient has had 4 doses of DTaP-IPV-Hib, each naming convention of this vaccine must be selected in the query and the output data analyzed to confirm that the patient has received this on 4 different dates.

- **Rate** is calculated as: Numerator / Denominator

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Childhood Immunizations – All Children (Denominator):

Criteria breakdown:

- “all children” i.e. not just enrolled patients
- aged 30 to 42 months of age inclusive as of March 31, 2015 (for the 2014/15 fiscal year)
- not deceased

Query breakdown:

Category	Rule	Constraints
Demographics	Patient Age	Between 2 Years 8 Months and 3 Years 8 Months (see example in notes section above)
	Deceased	= False

Childhood Immunizations – All Children (Numerator):

Criteria breakdown:

- “all children” i.e. not just enrolled patients
- aged 30 to 42 months of age inclusive as of March 31, 2015 (for the 2014/15 fiscal year)
- not deceased
- up-to-date on immunization vaccines according to the following:

Query breakdown:

Category	Rule	Constraints
Demographics	Patient Age	Between 2 Years 8 Months and 3 Years 8 Months (see example in notes section above)
	Deceased	= False
Billing	Bill Procedure Code	1 instance of Q132
		or 4 instances of G841, and 3 instances of G846, and 1 instance of G844, and 1 instance of G845, and 1 instance of G848

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Childhood Immunizations – Rostered Children (Denominator):

Criteria breakdown:

- enrolled patient exists i.e. rostered
- aged 30 to 42 months of age inclusive as of March 31, 2015 (for the 2014/15 fiscal year)
- not deceased

Query breakdown:

Category	Rule	Constraints
Demographics	Enrolled Provider	Exists
	Patient Age	Between 2 Years 8 Months and 3 Years 8 Months (see example in notes section above)
	Deceased	= False

Childhood Immunizations – Rostered Children (Numerator):

Criteria breakdown:

- enrolled patient exists i.e. rostered
- aged 30 to 42 months of age inclusive as of March 31, 2015 (for the 2014/15 fiscal year)
- not deceased
- up-to-date on immunization vaccines according to the following:

Query breakdown:

Category	Rule	Constraints
Demographics	Enrolled Provider	Exists
	Patient Age	Between 2 Years 8 Months and 3 Years 8 Months (see example in notes section above)
	Deceased	= False
Billing	Bill Procedure Code	1 instance of Q132
		or 4 instances of G841, and 3 instances of G846, and 1 instance of G844, and 1 instance of G845, and 1 instance of G848