D2D 2.0 – Childhood Immunization Queries for OSCAR EMR

2 queries (presented below) have been created to generate data for D2D 2.0 submission.

1. Percentage of **ALL** active children who are up-to-date with MMR, DTaP-IPV-Hib, Prevnar-13, Men-C, VAR
2. Percentage of active **ROSTERED** children who are up-to-date with MMR, DTaP-IPV-Hib, Prevnar-13, Men-C, VAR

Query output

The query output includes the following values:

Up-to-date Active Patients (numerator)	All Active Patients (denominator)	Percentage Up-to-date

Criteria used:

- Age: >= 30 months AND < =42months (DOB >= 2011-09-30 AND <=2012-09-30)
- 4 instances of DTaP-IPV-Hib
- 1 instance of measles-mumps-rubella MMR
- 1 instance of meningococcal conjugate Men-C
- 1 instance of varicella VZ
- 3 instances of pneumococcal conjugate Pneu-C
- Roster status defined by "RO"
- Active status defined by "AC"

Please note:

The queries below may need to be modified to reflect what how your team documents the vaccines (there are many options in OSCAR).

D2D 2.0 – Childhood Immunization Queries for OSCAR EMR

1. Percentage of **ALL active children** who are up-to-date with MMR, DTaP-IPV-Hib, Prevnar-13, Men-C, VAR

<report title="Prevention Report - % of all active 30-42 month olds up-to-date for Pneu-C, Men-C, MMR, VZ and DTaP-IPV-Hib" description="Numbers and percentages for active Patients >=30 months and <=42 months who have at least 1 dose of Men-C, MMR, VZ, 3 doses of Pneu-C and 4 doses of DTaP-IPV-Hib" active="1">

<query>

select

count(distinct d2.demographic_no) as "All Patients",

count(distinct d.demographic_no) as "Up to date Patients",

(count(distinct d.demographic_no)/count(distinct d2.demographic_no))*100 as "Percentage"

from demographic d, demographic d2

where concat(d.year_of_birth,'-',d.month_of_birth,'-',d.date_of_birth)>='2011-09-30'

and concat(d.year_of_birth,'-',d.month_of_birth,'-',d.date_of_birth)<='2012-09-30'

and concat(d2.year_of_birth,'-',d2.month_of_birth,'-',d2.date_of_birth)>='2011-09-30'

and concat(d2.year_of_birth,'-',d2.month_of_birth,'-',d2.date_of_birth)<='2012-09-30'

and d.patient_status = "AC"

and d2.patient_status = "AC"

and d.demographic_no in

(select dt.demographic_no from preventions dt

where d.demographic_no=dt.demographic_no

and dt.prevention_type = "DTaP-IPV-Hib"

and dt.deleted = "0"

group by dt.demographic_no having COUNT(dt.id) >= "4")

and d.demographic_no in

(select pn.demographic_no from preventions pn

where d.demographic_no=pn.demographic_no

and pn.prevention_type = "Pneu-C"

and pn.deleted = "0"

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group by pn.demographic_no having COUNT(pn.id) >= "3")

and d.demographic_no in

(select m.demographic_no from preventions m

where  d.demographic_no=m.demographic_no

and m.prevention_type = "MMR"

and m.deleted = "0"

group by m.demographic_no having COUNT(m.id) >= "1")

and d.demographic_no in

(select mn.demographic_no from preventions mn

where  d.demographic_no=mn.demographic_no

and mn.prevention_type = "MenC-C"

and mn.deleted = "0"

group by mn.demographic_no having COUNT(mn.id) >= "1")

and d.demographic_no in

(select v.demographic_no from preventions v

where  d.demographic_no=v.demographic_no

and v.prevention_type = "VZ"

and v.deleted = "0"

group by v.demographic_no having COUNT(v.id) >= "1")

</query>

</report>
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2.   Percentage of active **ROSTERED** children who are up-to-date with MMR, DTaP-IPV-Hib, Prevnar-13, Men-C, VAR

<report title="Prevention Report - % of all active rostered 30-42 month olds up-to-date for Pneu-C, Men-C, MMR, VZ and DTaP-IPV-Hib" description="Numbers and percentages for active Rostered Patients >=30 months and <=42 months who have at least 1 dose of Men-C, MMR, VZ, 3 doses of Pneu-C and 4 doses of DTaP-IPV-Hib" active="1">

<query>

select

count(distinct d2.demographic_no) as "All Patients",

count(distinct d.demographic_no) as "Up to date Patients",

(count(distinct d.demographic_no)/count(distinct d2.demographic_no))*100 as "Percentage"

from demographic d, demographic d2

where concat(d.year_of_birth,'-',d.month_of_birth,'-',d.date_of_birth)>='2011-09-30'

and concat(d.year_of_birth,'-',d.month_of_birth,'-',d.date_of_birth)<='2012-09-30'

and concat(d2.year_of_birth,'-',d2.month_of_birth,'-',d2.date_of_birth)>='2011-09-30'

and concat(d2.year_of_birth,'-',d2.month_of_birth,'-',d2.date_of_birth)<='2012-09-30'

and d.patient_status = "AC"

and d2.patient_status = "AC"

and d.roster_status = "RO"

and d2.roster_status = "RO"

and d.demographic_no in

(select dt.demographic_no from preventions dt

where d.demographic_no=dt.demographic_no

and dt.prevention_type = "DTaP-IPV-Hib"

and dt.deleted = "0"

group by dt.demographic_no having COUNT(dt.id) >= "4")

and d.demographic_no in

(select pn.demographic_no from preventions pn

where d.demographic_no=pn.demographic_no

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and pn.prevention_type = "Pneu-C"

and pn.deleted = "0"

group by pn.demographic_no having COUNT(pn.id) >= "3")

and d.demographic_no in

(select m.demographic_no from preventions m

where  d.demographic_no=m.demographic_no

and m.prevention_type = "MMR"

and m.deleted = "0"

group by m.demographic_no having COUNT(m.id) >= "1")

and d.demographic_no in

(select mn.demographic_no from preventions mn

where  d.demographic_no=mn.demographic_no

and mn.prevention_type = "MenC-C"

and mn.deleted = "0"

group by mn.demographic_no having COUNT(mn.id) >= "1")

and d.demographic_no in

(select v.demographic_no from preventions v

where  d.demographic_no=v.demographic_no

and v.prevention_type = "VZ"

and v.deleted = "0"

group by v.demographic_no having COUNT(v.id) >= "1")

</query>

</report>
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