

IMMUNIZATIONS COVERED UNDER THE IMMUNIZATION OF SCHOOL PUPILS ACT (ISPA): **SEARCH & INSTALLATION GUIDE FOR ACCURO**

Overview

In partnership with Region of Waterloo Public Health, Amplify Care has developed a set of immunization searches for **Accuro EMR** to identify patients that do not meet the full immunization criteria under the **Immunization of School Pupils Act (ISPA)**. These searches help primary care clinicians quickly identify patients who are overdue for immunizations.

This search and installation guide contains the below sections:

- A. The Immunization of School Pupils Act (ISPA) Criteria and Search Overview
- B. Search Package Details
- C. Instructions for Importing a Search in Accuro
- D. Instructions for Running Alerts in Accuro

Section A: The Immunization of School Pupils Act (ISPA) Criteria and Search Overview

ISPA searches: Supports identification of patients between the ages of 4-18 (i.e., elementary and secondary students) overdue for any childhood immunization(s) covered under the Immunization of School Pupils Act (ISPA) and are on the priority list for vaccination. Please note: Immunizations such as Pneu-C-13 (PneumococcalConjugate13), Hepatitis B (Hep B), or Human Papillomavirus (HPV) are not included as they are not required for school.

High-level criteria for the ISPA specific immunizations is listed below:

Immunization	Recommended Overdue Criteria Based on ISPA
DTaP-IPV-Hib: Diphtheria, Tetanus, Pertussis, Polio Haemophilus influenzae type b	If ≥ 4 and \leq Grade 12 years of age, then check for < 4 doses of DTaP-IPV-Hib
Tdap-IPV: Tetanus, Diphtheria, Pertussis, Polio	<i>Note: If ≥ 4 and < 7 years of age, no checking for Tdap-IPV since they have until 7 years to be considered overdue</i> If ≥ 7 and $<$ Grade 12 of age, then check for < 1 dose of Tdap-IPV regardless of birth year.
MMR: Measles, Mumps, Rubella	If ≥ 4 and < 7 years of age, then check for < 1 dose of MMR OR If ≥ 7 and $<$ Grade 12, then check for < 2 doses of MMR regardless of birth year

Immunization	Recommended Overdue Criteria Based on ISPA
VZ: Varicella	If ≥ 4 and < 7 years of age, then check for < 1 dose of VZ OR If ≥ 7 and $< \text{Grade } 12$, then check for < 1 VZ (if born 2010 and after, < 2 VZ)
Men-C-C: Meningococcal Conjugate C	If ≥ 4 and $\leq \text{Grade } 7$, then check for < 1 dose of Men-C-C
Men-C-ACYW: Meningococcal Conjugate ACYW-135	Men C-C ACYW: given in Grade 7 so student would be overdue for ISPA if they have not received it by beginning of Grade 8. If student is in Grade 8 and up until end of Grade 12, then check for < 1 dose of Men-C-C ACYW135
Tdap: Tetanus, Diphtheria, Pertussis (every 10 years)	<i>If immunized on schedule, then Tdap-IPV is given at 4 years so the next one should be at 14 (If it has been 10 years + 1 month since the last tdap or tdap-IPV, then considered overdue)</i> Check for < 1 dose (if ≥ 10 years since last Tdap or Tdap-IPV)

Please note:

- The search is:
 - Looking for active patients that do not meet the criteria for the required number of doses
 - Searching by age ranges only
- No “catch-up schedule”:** The search is unable to determine if a patient is on a “catch-up” schedule and only captures patients based on the routine ISPA vaccination schedule by age.
- Limitations:** The search criteria is constrained by the limitations of the Accuro EMR search capabilities, which include: unable to distinguish between high and low doses of the DTAP-IPV-Hib and to identify intervals between doses; unable to search by birth year and school calendar year.

For any issues related to the installation or running of the search, please feel free to direct your queries to emrtools@amplifycare.ca.

Section B: Search Package Details

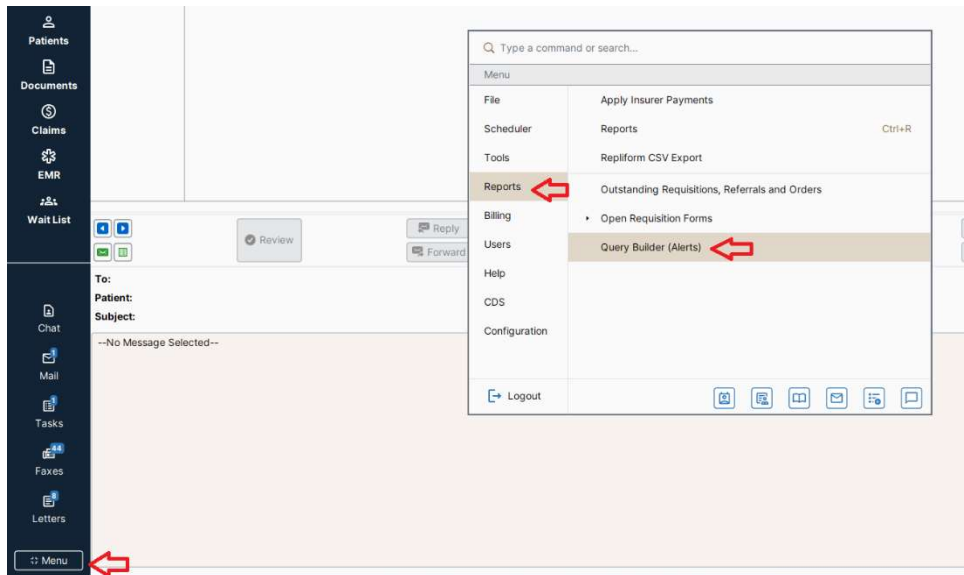
The package (.zip file) contains the supporting documentation guide: **Immunization of School Pupils Act (ISPA) Search and Installation Guide ACCURO v1.0**, that includes steps on how to locate the query listed below in the online Accuro database and download to your EMR along with the search criteria (see sections C and D below for further instructions):

Query	Criteria
ISPA Overdue Vaccination Search v1.0	<ul style="list-style-type: none"> Rules 1 and 2: patient is active and not deceased. <p>Diphtheria, Tetanus, Pertussis, Polio and Hib (Overdue ages 4-7)</p> <ul style="list-style-type: none"> Rule 3: age range more than 3 years and 11 months to less than 7 years. Rules 4 to 8: specific for each vaccination, checks there are 4 instances of the vaccine being administered. Advance logic: 1 AND 2 AND ((3 AND (4 OR 5 OR 6 OR 7 OR 8)) <p>Diphtheria, Tetanus, Pertussis, Polio, and Hib (Overdue ages 7-18)</p> <ul style="list-style-type: none"> Rule 9: age range more than 6 years and 11 months to less than 18 years. Rules 10 to 14: specific for each vaccination, checks there are 5 instances of the vaccine being administered. For pertussis, it checks for 4 instances. Advance logic: ... OR (9 AND (10 AND 11 AND 12 AND 13 AND 14)) <p>Tetanus, Diphtheria and Pertussis (Overdue ages 4-18)</p> <ul style="list-style-type: none"> Rule 15: age range more than 3 years and 11 months to less than 18 years. Rules 16 to 18: specific for each vaccination, checks they have received a vaccine in the last 10 years. Advance logic: ... OR (15 AND (16 OR 17 OR 18)) <p>Measles, Mumps, Rubella (Overdue ages 4-7)</p> <ul style="list-style-type: none"> Rule 19: age range more than 3 years and 11 months to less than 7 years. Rules 20 to 22: specific for each vaccination, checks they have received at least 1 vaccine. Advance logic: ... OR (19 AND (20 OR 21 OR 22)) <p>Measles, Mumps, Rubella (Overdue ages 7-18)</p> <ul style="list-style-type: none"> Rule 23: age range more than 6 years and 11 months to less than 18 years. Rules 23 to 26: specific for each vaccination, checks they have received at least 2 vaccines. Advance logic: ... OR (23 AND (24 OR 25 OR 26))

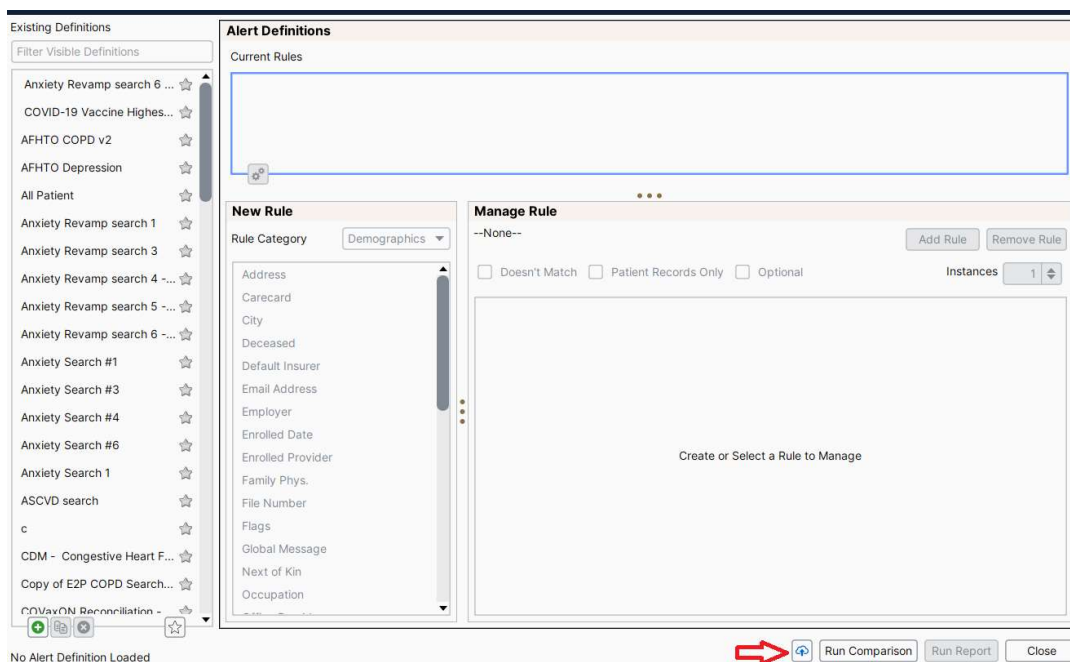
	<p>Varicella (Overdue ages 4-7)</p> <ul style="list-style-type: none"> • Rule 27: age range more than 3 years and 11 months to less than 7 years. • Rule 28: checks they have received at least 1 vaccine. • Advance logic: ... OR (27 AND 28) <p>Varicella (2010 criteria Overdue ages 7-18)</p> <ul style="list-style-type: none"> • Rule 29: age range more than 6 years and 11 months to less than 18 years. • Rule 30: checks they have received at least 2 vaccines. • Advance logic: ... OR (29 AND 30) <p>Men C- Conjugate & Men-C-ACYW (Overdue ages 4-18)</p> <ul style="list-style-type: none"> • Rule 31: age range more than 3 years and 11 months to less than 12 years. • Rule 32: checks they have received at least 1 Men-C vaccine. • Rule 33: age range more than 11 years and 11 months to less than 18 years. • Rule 34: checks they have received at least 1 Men-C-ACYW vaccine. • Advance logic: ... OR (31 AND 32) OR (33 AND 34))
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Section C: Instructions for Importing a search in Accuro

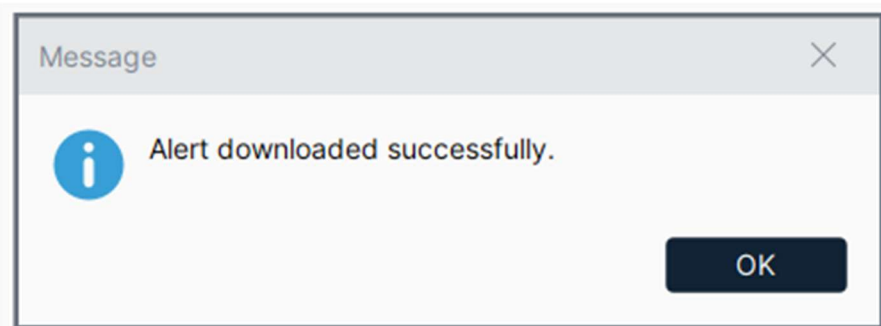
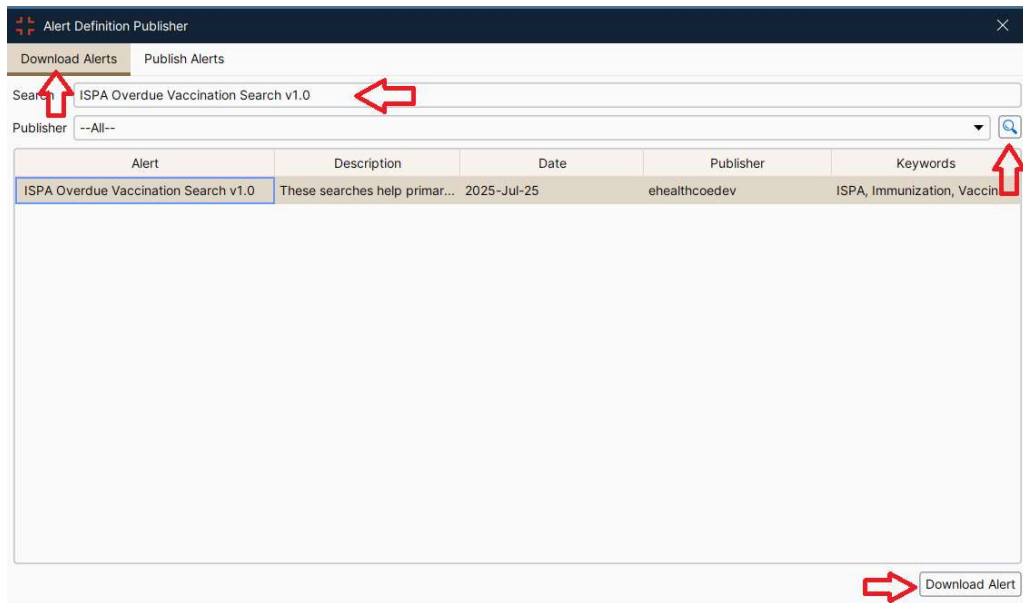
1. Click on the “Menu” to open the start menu. Navigate to “Reports” and click on the “Query Builder (Alerts)” option.



2. Click on “Alert Publisher” to launch the Alert Definition Publisher window.

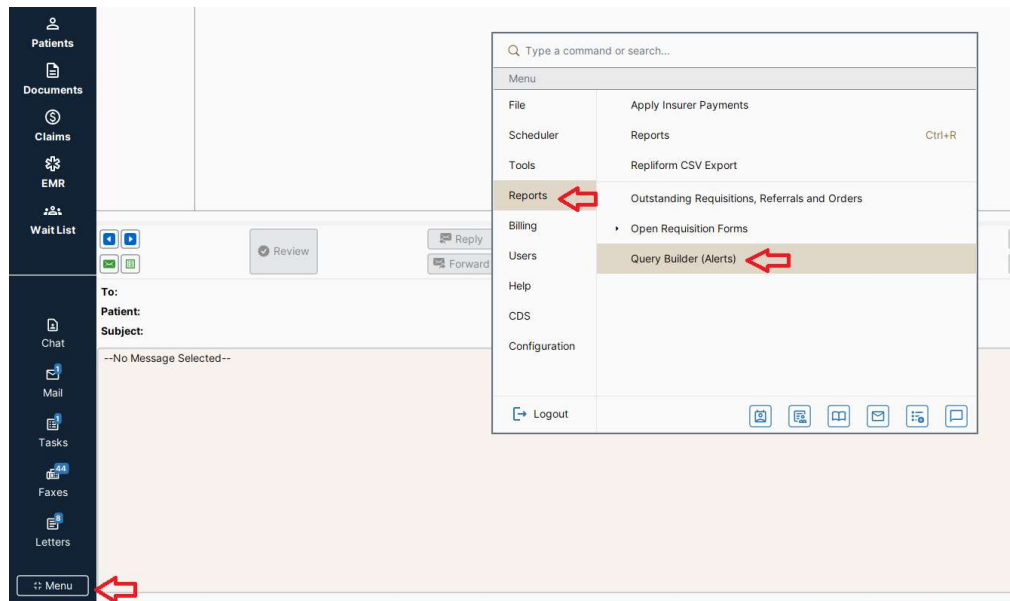


- Click on “Download Alerts” and enter the name of the query, “ISPA Overdue Vaccination Search v1.0” in the list as shown below. Select the appropriate query from the list and click “Download Alert” or double-click the alert to download. A message will pop-up indicating successful download of the alert.

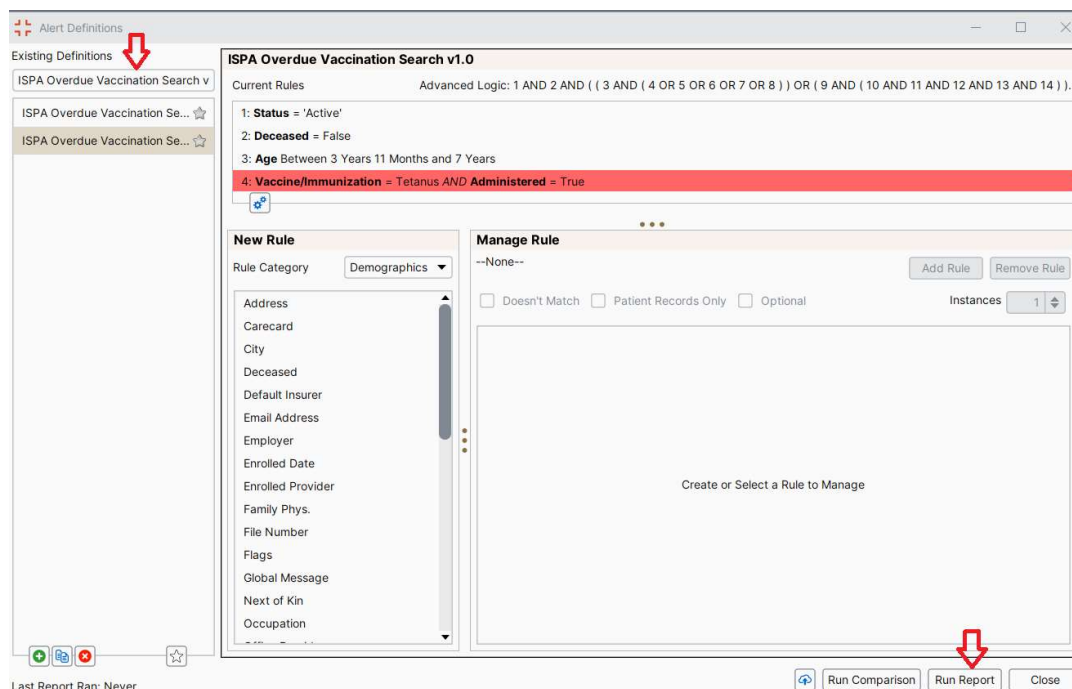


Section D: Instructions for Running alerts in Accuro

1. Click on the “Menu” to open the start menu. Navigate to “Reports” and click on the “Query Builder (Alerts)” option.




2. Enter the name of query, select, and click “Run Report”.



- Click "Selected Providers' Patients" in the list and select the appropriate provide from the list. Click "Run". Results will appear in another window.

ISPA Overdue Vaccination Search v1.0

Apply Against

☒ All Patients 

☐ Selected Providers' Patients


Lang, Wendy

Fields to Display

- ▼ Patient Status
 - ☒ Patient Status
- ▼ Deceased
 - ☒ Deceased
 - ☒ Deceased Date
- ▼ Patient Age
 - ☒ Birthdate
- ▼ Patient Age
 - ☒ Birthdate
- ▼ Patient Age
 - ☒ Birthdate
- ▼ Patient Age
 - ☒ Birthdate
- ▼ Immunizations
 - ☒ Lot #
 - ☒ Date Due
 - ☒ Administered Date
 - ☒ Vaccine/Immunization
 - ☒ Note
 - ☒ Vaccine Status

Match Types to View

☒ Unassigned ☐ Assigned ☐ Completed



Alert Matches							
Last Name	First Name	PHN	Birthdate	Sex	Home Phone	Status	Patient Status
Butter	Peanut	8930247	03/11/2021	M	(000) ____-____	Unassigned	Active
December	Eleven	5478963254	10/25/2012	M	(546) 987-4582	Unassigned	Active