

Child Vaccine Tracker

Redwood Community Health Coalition Promising Practice

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number H2QCS30258, Health Center Controlled Networks, for \$1,500,000. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.

PROMISING PRACTICE OVERVIEW

In August 2018, CommuniCare Health Centers (CCHC) implemented a new “child vaccine tracker” in all three locations using their Relevant instance. The quality department created a Relevant report, pulling all patients under two years old past due or soon to be due for vaccinations. The goal was to identify patients missing vaccinations and bring them in for care before they reached the cut off of two years old. Medical Assistants (MAs) and Preventive Care Coordinators (PCCs) review the reports to identify patients needing vaccines, how long until patients turn two, and when patients have their next appointment.

CCHC also created additional Relevant reports and care gaps to similarly catch patients overdue for vaccination, before aging out of the measure.

AIM

To proactively increase the number of patients receiving complete immunizations before reaching specified age cut offs (i.e. age of two for children, age of thirteen for teenagers).

MEASURES

UDS Definition “Childhood Immunization Status”: Percentage of children 2 years of age who had 4 DTaP; 3 IPV, 1 MMR; 3 HiB; 3 Hep B; 1 VZV; 4 PCV; 1 Hep A; 2 or 3 RV; and 2 flu vaccines by their second birthday

Denominator: Children who turn 2 years of age during the measurement period and who had a medical visit during the measurement period

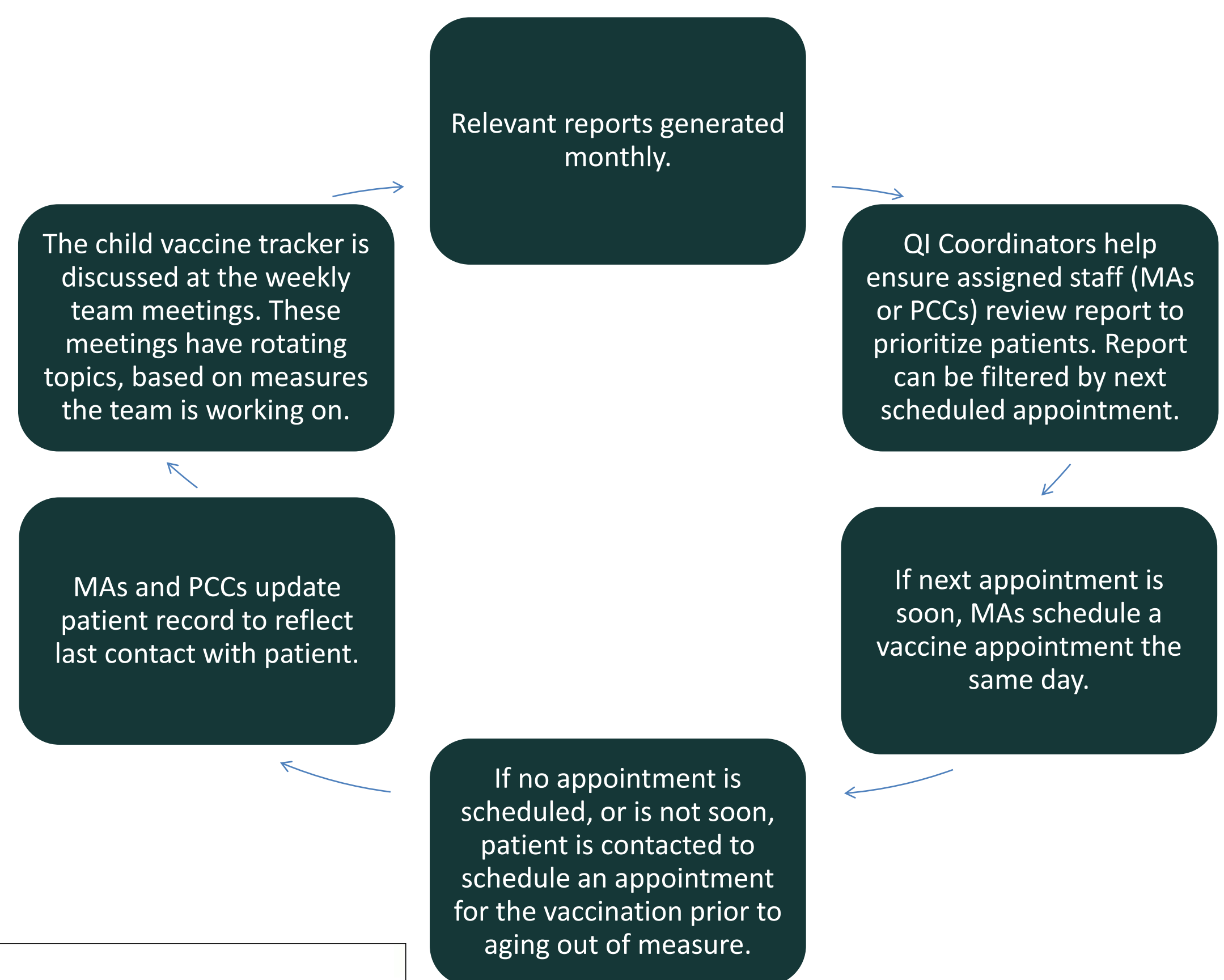
Numerator: Children who have evidence showing they received recommended vaccines, had documented history of illness, had a seropositive test result, or had an allergic reaction to the vaccine by their second birthday

Reports also pull patient data for the QIP Childhood Immunization Combo measure.

ACTIONS TAKEN

- Built Relevant report (vaccine tracker) to pull patients under two years old with past due vaccinations. Reports shows the following useful information to help staff prioritize outreach:
 - Vaccine(s) completed
 - Vaccine(s) past due
 - Refused vaccines (yes or no)
 - Next appointment date and time
 - TE notes (may or may not be related)
- Trained staff to utilize the vaccine tracker during admin time and report results during weekly team meetings, starting in August 2018.
- Created additional Relevant care gaps to prompt immunization for past due vaccines (e.g. Overdue for Child/Adolescent Vaccine). MA will check CAIRS to determine which vaccine they may be overdue for.
- Created Relevant report to pull patients under thirteen years old with past due vaccines. Repeated the above training steps.

WORKFLOW

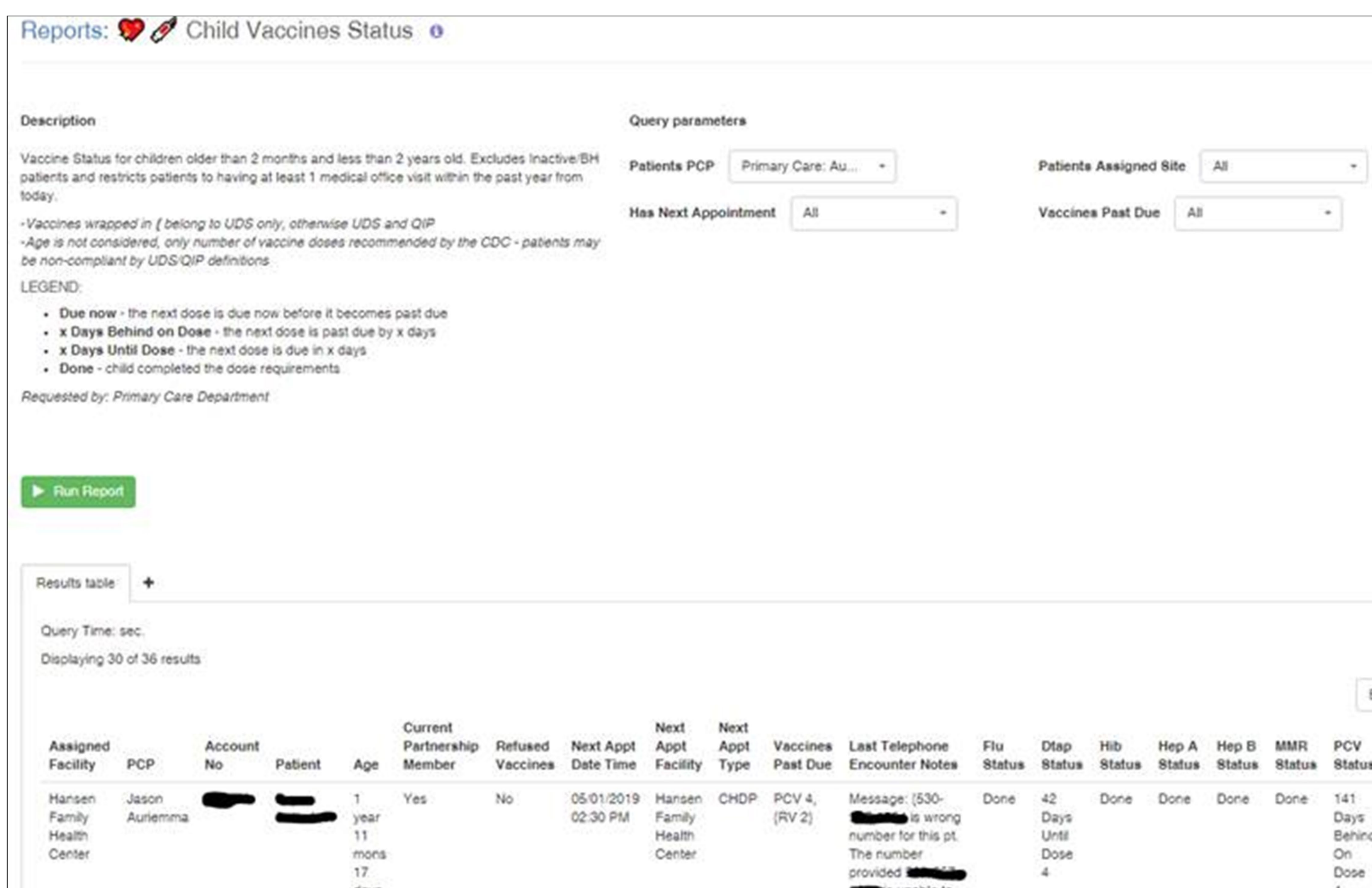


RESULTS TO DATE

CCHC met all their QIP measures in 2018 and believe the vaccine tracker helped accomplish this by keeping patient data organized. Since tracker implement only began in August 2018, they have not collected sufficient data to show causation at this point. They should have a better idea at the year mark this August.

LESSONS LEARNED

The Relevant reports continue to evolve as do the unofficial workflows CCHC staff use. CCHC is considering creating a formal workflow to allow standardization across the organization on how often the reports are run and how they are used.



Reports: Child Vaccines Status

Description: Vaccine Status for children older than 2 months and less than 2 years old. Excludes inactive/BIH patients and restricts patients to having at least 1 medical office visit within the past year from today.

Query parameters: Patients PCP: Primary Care: Au... Patients Assigned Site: All Has Next Appointment: All Vaccines Past Due: All

LEGEND:

- Due now - the next dose is due now before it becomes past due
- x Days Behind on Dose - the next dose is past due by x days
- x Days Until Dose - the next dose is due in x days
- Done - child completed the dose requirements

Requested by: Primary Care Department

Run Report

Results table: Query Time: sec. Displaying 30 of 36 results

Assigned Facility	PCP	Account No	Patient	Age	Current Partnership Member	Refused Vaccines	Next Appt Date Time	Next Appt Facility	Next Appt Type	Vaccines Past Due	Last Telephone Encounter Notes	Flu Status	Dtap Status	Hib Status	Hep A Status	Hep B Status	MMR Status	PCV Status
Hansen Family Health Center	Jason Auriemma	[REDACTED]	[REDACTED]	1 year 11 mons 17 days	Yes	No	05/01/2019 02:30 PM	Hansen Family Health Center	CHDP	PCV 4, (RV 2)	Message: (530- [REDACTED]) is wrong number for this pt. The number provided [REDACTED] is unable to [REDACTED]	Done	42 Days Until Dose 4	Done	Done	Done	Done	141 Days Behind On Dose 4

Description

Vaccine Status for 11-13 year olds: HPV, Meningococcal and Tdap

LEGEND:

- **Due now** - vaccines only has one dose and the dose is due now
- **Due in x Days** - the next dose will be ready in x days, and the adolescent will have until their 13th birthday to complete the requirements for numerator
- **Ineligible for Numerator: Due in x Days** - the next dose is ready in x days, the adolescent will be unable to complete the requirements for numerator, as their 13th birthday will pass before they are able to get their next dose
- **Ineligible for Numerator: Never Had Dose 1** - ready for first dose, the adolescent will be unable to complete the requirements for numerator, as their 13th birthday will pass before they can finish the requirement.
- **Due in x Days to be Compliant for Numerator** - first dose is ready immediately, but must be completed in x days in order to be eligible for numerator for the next dose.
- **Completed** - adolescent completed the dose requirements for numerator

Query parameters

Assigned Site: All

Ineligible Patients: No

Assigned PCP: Jason Auriemma

Requested by: Primary Care Department

▶ Run Report

Results table +

Query Time: sec.

Displaying 9 of 9 results

Export ▼

Assigned Facility	PCP	Account No	Patient	Age	Current Partnership Member	Next Appt Date Time	Next Appt Facility	Next Appt Type	Vaccines Past Due	Last Telephone Encounter Notes	Days Until 13 Th Bday	Mening Status	Tdap Status	Hpv Status
Hansen Family Health Center	Jason Auriemma	[REDACTED]	[REDACTED]	12 years 9 mons 7 days	Yes	11/04/2019 04:00 PM	Hansen Family Health Center	CHDP	HPV 2	Message: [], Action Taken: [Bullard,Randi 11/02/2018 03:16:23 PM > Pt has missed numerous visits and Dr. Auriemma recommends a second reminder call. tc with span int 255995 to number [REDACTED] ans, lvm. tc to [REDACTED] ans, lvm. Bullard,Randi 11/05/2018 09:38:39 AM > pt made appt 11/2 with Dr. Auriemma]	85	Completed	Completed	Due in 27 Days
Hansen Family Health Center	Jason Auriemma	[REDACTED]	[REDACTED]	12 years 7 mons	Yes	10/11/2019 03:30 PM	Hansen Family Health Center	CHDP	Tdap	Message: [Medrano,Marcela 06/16/2017 03:59:21 PM > PHP/SPAN/MM Alvarez,Bianca 06/07/2018 01:09:35 PM > Redirecting to Primary MA]. Action Taken: [Marin,Unica	124	Completed	Due Now	Completed