

EHR Functionality Summary

Common EHR functions that may potentially improve vaccination and support population health management

	GOAL:	EHR function	Explanation of the Function(s)	Potential Uses
POPULATION HEALTH	Evaluate vaccination rates	<ul style="list-style-type: none"> Quality Dashboard 	<ul style="list-style-type: none"> Visualization of Registry Reports and performance against specific Quality measures identified by the Organization (eg, Meaningful Use, PCMH, PQRS, etc.) 	<ul style="list-style-type: none"> Provide at-a-glance tools for HCPs to understand their performance versus Organizational goals in real-time
	Identify patients and gaps in care	<ul style="list-style-type: none"> Appointment Reports Appointment Reminders Registry Reports 	<ul style="list-style-type: none"> Provide insight into patient populations that share similar characteristics (eg, diagnosis, co-morbidities, action-needed tests, screenings, series completion, or missed appointments) 	<ul style="list-style-type: none"> Identify appropriate patients for whom action should be taken. For example, recall patients for series completion or address common gaps in care
	Query specific patients in advance of scheduled visit	<ul style="list-style-type: none"> Vaccination Schedule Vaccination Summary Annual Wellness Visit 	<ul style="list-style-type: none"> Recommend future dates as to when a patient may need a vaccine, be overdue for a vaccine based upon a schedule, or need other preventive services 	<ul style="list-style-type: none"> Use to assist HCPs to track vaccinations and to educate parents/patients on the need for future visits for vaccinations
DURING VISIT	Assess vaccination opportunity at Point of Service	<ul style="list-style-type: none"> Reminders Order Sets ePrescribing Patient Education 	<ul style="list-style-type: none"> Reminders are clinical alerts that remind HCPs of actions to be taken for the patient Order Sets are pre-defined groups of orders or educational items used frequently by a provider or a practice Enable electronic prescribing to a pharmacy Provide patient education about relevant health care topics and/or action needed 	<ul style="list-style-type: none"> Reminders provide real-time guidance to the HCP to ensure all patient-specific appropriate processes are addressed at the time of the visit, including reminders for missed vaccinations Order Sets allow for quick and easy selection of orders that are used routinely. Order Sets can be comprised of labs, imaging, medications, and educational items ePrescribe vaccinations to be administered outside the practice at a pharmacy Provide materials to educate patients on the need and rationale for vaccinations as well as the importance of series completion
FOLLOW-UP	Assess vaccination opportunity post-visit	<ul style="list-style-type: none"> ePrescribing Appointment Schedule Patient Education Patient Portal After Visit Summary 	<ul style="list-style-type: none"> Enable electronic prescribing of vaccinations to a pharmacy Schedule patients for next visit at each appointment Provide patient education about relevant health care topics and/or action needed The Patient Portal enables communication with patients between visits, shares information, provides the After Visit Summary The After Visit Summary documents what occurred or was discussed during the appointment 	<ul style="list-style-type: none"> ePrescribe vaccinations to be administered outside the practice at a pharmacy Ensure continuity of care by proactively scheduling patient visits Provide materials to educate patients on the need and rationale for vaccinations Use the Patient Portal to deliver patient education materials and view the After Visit Summary
ASSESSMENT	Assess improvement/measure vaccination rates	<ul style="list-style-type: none"> Clinical Quality Measures 	<ul style="list-style-type: none"> Report on a defined group of patients which analyzes activity versus goals 	<ul style="list-style-type: none"> Measure performance rates against Organizational goals by HCP and/or by practice, and establish/monitor a Quality Improvement plan

Using Electronic Health Records to Help Improve Population Health

- The Institute for Healthcare Improvement (IHI)¹ developed an approach to optimize health care performance called the “**Triple Aim.**” This framework was developed to pursue 3 dimensions:
 - Improving the patient experience of care (including quality and satisfaction)
 - Improving the health of populations
 - Reducing the per capita costs of health care
- A configured and updated Electronic Health Record (EHR) is important to achieving the **Triple Aim.**
 - EHRs can help improve patient experience by automating tasks such as patient education, reminders for due and past-due vaccinations, prescription/medication fill reminders, and appropriate outreach to patients including after visit summaries through a patient portal.
 - Population health can be enhanced by enabling insight into overall practice vaccination versus guidelines, use of registry reports to identify patients for whom defined actions should be taken, and use of order sets to ensure consistent treatment.
 - EHRs can help increase use of clinical decision support features and increase consistency in the provision of care.

Reference: 1. Institute for Healthcare Improvement 2016 <http://www.ihl.org/Engage/Initiatives/TripleAim/Pages/MeasuresResults.aspx>
Accessed September 20, 2016