

Draft-Training in Adult Vaccination:

What Works

Name of the Organization: An internal medicine residency program at a large important medical school, hereafter referred to as the IMRP

What We Did and When

Following a review of measures in core performance, the IMRP identified the need to improve flu and pneumococcal vaccination rates.

As an integral component of residency training, the IMRP developed a training approach for increasing flu and pneumococcal vaccination rates of the patients served by their residents in training.

Dr. S and a patient safety council consisting of residents of diverse specialties led this resident-driven initiative to improve adult immunization rates at the teaching hospitals.

With the goal of implementing an impactful quality improvement project, they developed a system to give each resident feedback on their core measure performance using EPIC. The EPIC program provides a snapshot summary of health maintenance that allows the physician to review their performance. Physicians can also review their inpatient adult vaccinations by actively reviewing vaccine screening orders.

This quality improvement project consisted of these elements:

- The institution created an order set for flu and pneumococcal vaccines, however the majority of residents were not educated about the order set
- The council created an educational module that reviewed CDC guidelines for flu and pneumococcal vaccines and how these matched up with their ordering guidelines. The module was disseminated to the residents by their peers
- A QI group was concurrently conducting an evaluation to see if in-patients were in compliance with their immunizations, if not, they would contact the attendees. The council worked with them to change the point of contact to the residents instead of attendees to improve AI rates

The IMRP has a new clinic handbook created this year which provides details for recommended adult immunizations. The handbook includes information on the following immunizations:

- Influenza
- Td/tdap
- Varicella
- HPV
- Zoster
- MMR
- Pneumococcal with prevnar 13 information
- Meningococcal
- Hep A

- Hep B

Outcome or Results We Got:

Results: 90-100% compliance rates for pneumococcal and 94-100% rates for influenza. The experience of this residency program highlights the need for more focus on quality improvement through electronic health records. Training programs need to rely on EHR systems to track compliance through coordination of care. This message should be articulated to EHR developers.

About Our Organization:

Because we don't have final permission to identify this medical school, we have simply identified it as IMRP. This example of "What Works" will be posted on the Adult Immunization Website when completed and cleared with the medical school's residency program.