**Introduction**
Pennsylvania Act 86 and Centers for Medicare and Medicaid Services (CMS) requires that hospitalized persons be offered vaccinations against influenza and pneumococcus.

P – Adhering to PA Act 86 and CMS regulations for influenza and pneumococcus vaccinations

I – Identifying barriers in vaccination administration

C – January to March 2012 adherence data of 3SAW, 5AC, and PSCI.

O – Revising the vaccination protocol to achieve 100% compliance in 2013

**Objectives**
- Identify immunization barriers
- Revise protocol to improve compliance at PSHMC in 2013

**Methods**
- PSHMC vaccination protocol review
- Data Den to compare adherence to protocol on 3SAW, PSCI, and 5AC.
- RNs on 3SAW, PSCI, and 5AC were surveyed to determine compliance and areas of improvement in current protocol.
- Research articles

**Results**

**Data Den**

<table>
<thead>
<tr>
<th>Month</th>
<th>3SAW</th>
<th>5AC</th>
<th>PSCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>83%</td>
<td>80%</td>
<td>77%</td>
</tr>
<tr>
<td>February</td>
<td>85%</td>
<td>85%</td>
<td>80%</td>
</tr>
<tr>
<td>March</td>
<td>80%</td>
<td>75%</td>
<td>71%</td>
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</tbody>
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**RN Surveys**

- 44.8% of RNs stated that vaccines were not always available in any pyxis on their floor/unit.
- 55% of RNs stated that they missed an indicated vaccination.

**Research**

Immunization barriers that were identified include:
- Vaccine availability
- Fragmentation of care
- Missed opportunities
- Accuracy of vaccination history
- Gaps in staff education

**Discussion**

Current Interventions
- Vaccine magnets on assignment board
- Vaccination status in charge nurse report
- RN given write up for missed vaccine

2013 Interventions
- Vaccines loaded in all pyxis machines at all times
- Power chart system enhancement
- RN tasked at patient discharge (with instructions and discontinue IV)
- Include vaccination status under alerts view tab

**Conclusions**
The improvement of vaccination protocol compliance and increase in immunization is crucial for improving patient outcome and reducing nosocomial infections. Revising the current protocol will break down barriers and open up communication between RNs, Physicians, and the pharmacy. Patient and staff education, accurate charting, effective powerchart system, and vaccine availability are all key elements in assuring that indicated vaccines are administered.

**References**