Increasing the Uptake of the Human Papillomavirus Vaccine in Adolescents

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PURPOSE
To increase the uptake of the HPV vaccine in adolescents

PROBLEM
• HPV: most common STI in the United States
• Uptake of the HPV vaccine is low across the United States
• Not required but recommended
• Capability of eradicating cervical cancer and head and neck cancers caused by HPV
• 60% of adolescent boys and girls receive one dose of the two doses needed
• In Mississippi, 28% of adolescents are HPV vaccine up to date

FRAMEWORK
Health Belief Model Applied to HPV

Modifying Factors:
• Parent knowledge
• Nurses & APN knowledge & support of HPV Vaccine
• Perceived benefits minus Perceived barriers

Cues to Action
Education Reminders

Perceived threat of Cervical Cancer

Likelihood of taking the HPV Vaccine

METHODOLOGY
Interventions to Increase the Uptake of the HPV Vaccine

EHR Reminders

Strong Recommendation

Phone Call Reminders

HCP Education

Increased HPV Vaccine Uptake

Parent Education

REFERENCES
Provided upon request: mrhamlin@nemcc.edu

RESULTS
Comparison of Vaccine Rates 2018 and 2019

<table>
<thead>
<tr>
<th># of HPV Vaccines Given</th>
<th>2018 (Jan., Feb., Mar.)</th>
<th>2019 (Jan., Feb., Mar.)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>24</td>
</tr>
<tr>
<td>Effect Size</td>
<td>0.60</td>
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HCPs Knowledge of HPV Vaccine

<table>
<thead>
<tr>
<th>Pre-Intervention Survey</th>
<th>Post-Intervention Survey</th>
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<tbody>
<tr>
<td>n = 10</td>
<td>n = 10</td>
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</table>

Benefits
• 40% 100%

Adherence
• 30% 90%

Interventions to increase uptake
• 40% 100%

Allow own child to receive
• 70% 90%

Comfortable giving strong recommendation
• 60% 100%

IMPLICATIONS
• Education and reminder interventions increase the uptake of the HPV vaccine
• Recommendation for further research with utilization of interventions for larger numbers