

Leveraging Resources to Improve Adolescent Vaccination in the Digital Era

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Abstract

Our project aimed to improve adolescent immunization rates through changing clinic work flow to increase efficiency, enhancing both patient and provider knowledge about adolescent immunizations, and engaging with community stakeholders to improve awareness and reduce barriers related to these vaccines. This project was designed to be interdisciplinary, allowing for providers, residents, nurses, students, and administrative staff to work together to help encourage adolescent immunizations in our clinic and coordinate a large-scale quality improvement project. Technology was leveraged to utilize the full capabilities of our EMR, identify the communities where our adolescent patients live through GIS mapping, and introduce iPads to enhance patient education materials in clinic. While we did not match every projected goal, our rates of TDaP and HPV vaccines did increase and the knowledge gained by participants will help build on these efforts moving forward.

Disclosure

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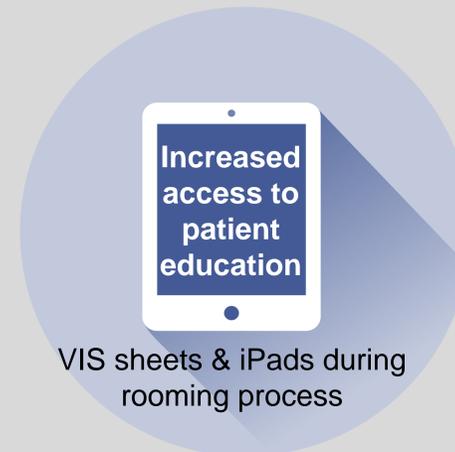
Goals

1. Make every adolescent visit an immunization opportunity
2. Increase access to patient education materials: provide VIS sheets & educational iPads during rooming process
3. Increase provider awareness of immunization gaps: presentations, email updates, provider metrics dashboard
4. Reduce barriers to adolescent immunizations: nursing visits for vaccines & MyChart message templates
5. Increase vaccination work flow efficiency
6. Engage with community stakeholders to increase awareness regarding adolescent immunizations: GIS map patients, research community demographics, & target outreach

Key Program Components



Reduced barriers
MyChart reminder templates, nursing only visits, free HPV vaccines



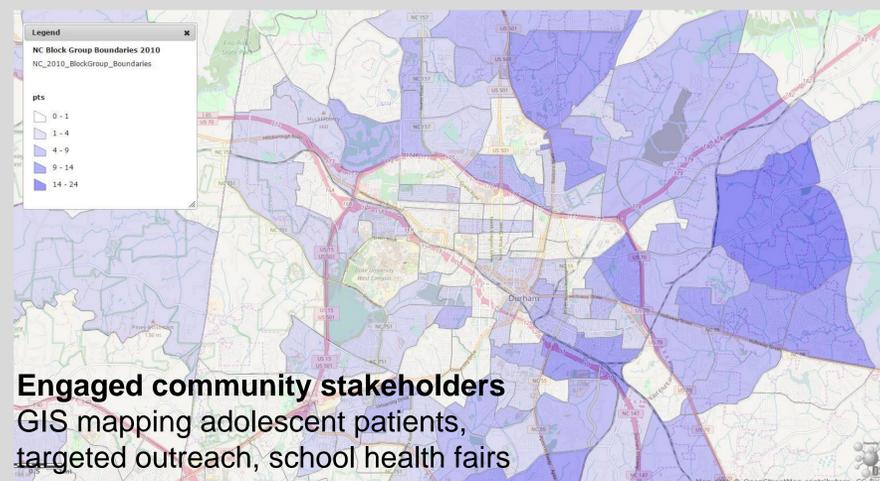
Increased access to patient education
VIS sheets & iPads during rooming process



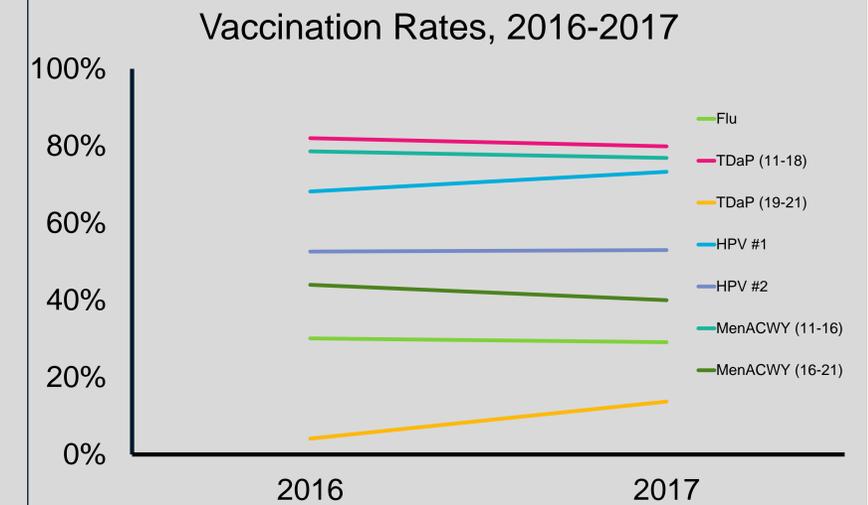
New clinic work flow
Provider-CMA huddle, review state registry, & sign orders prior to clinic



Raised clinic awareness
Town halls, staff & provider education, vaccine champion



Results



Best Practices

1. Train all providers to give strong, consistent recommendations for all vaccines
2. Standardize audits of the adolescent population & contact those not up to date on WCC visits
3. Make every visit a vaccine opportunity by having standardized clinic work flow
4. Facilitate communication between the electronic medical record & the state's vaccine registry to reduce human error & improve data for providers
5. Regularly supply providers with vaccine rates for their patients compared to their peers
6. Understand capabilities of all staff members & appropriately share responsibilities so everyone contributes at the highest level of their training

Next Steps

- Refine clinic work flows for adolescent visits
- Utilize nonclinical staff to help with other quality improvement efforts
- Build upon community relationships
- Expand utilization of iPads in clinic setting