



Broward County Health Department

Integrating Public Health Preparedness with Back to School Immunizations

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Background

Broward County, Florida has a population of over 1.7 million people with the sixth largest Public School System in the nation. Immunization compliance rates for select Broward County Schools are lower than the 90% goal.

Problem:

- Historically, Broward County Health Department (BCHD) clinics are overwhelmed prior to school start with children who are in need of back to school immunizations
- Lack of appropriate staff and infrastructure within the immunization program to manage long lines

Need:

- Identify alternative sites for clinical services
- Mobilize resources to improve effectiveness and efficiency in provision of back to school immunizations.

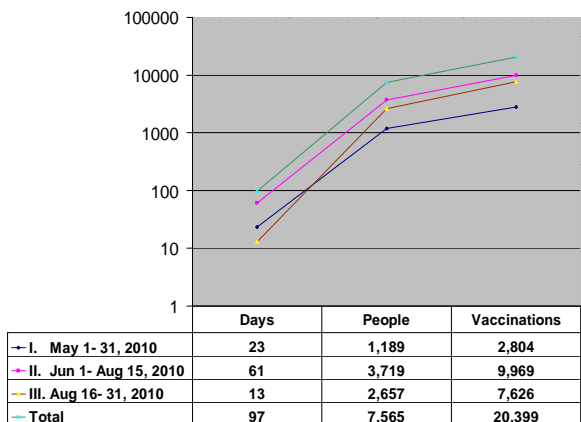
Purpose

- Meet State and National Immunization objectives
- Avoid immunization school "rush" using experience gained during H1N1 2010 Influenza Campaign in integrating a Public Health Preparedness model with Back to School Immunizations

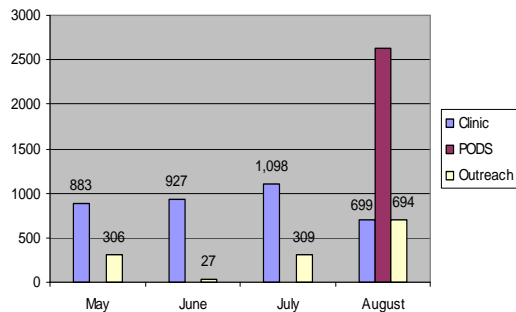
Method

- Three phases over generally distinct time intervals
 - Phase 1 – school based efforts + clinics
 - Phase 2 – outreach in community + clinics
 - Phase 3 – Points of Dispensing (POD) with transition back to clinics
- Data abstracted from Florida State Health Online Tracking System (SHOTS) Immunization Registry
 - Persons, vaccinations, dates, locations
 - Do not include Florida Certificate of Immunization (Form 680) provision only

2010 Immunization Summary by Phase



Number of Persons Vaccinated by Location Type May-August, 2010



What types of Vaccines were Given?

- Varicella most frequently administered vaccine (nearly 20% of total doses)
- Followed by Tdap, then MCV and MMR-- over 1/2 of all vaccines administered
- Similar pattern in each site, except that Tdap ranked first in outreach (7th grade), and Hep A outranked MCV
- Overall pattern consistent with ages at sites

Who Are Our Clients?

- Nearly 1/2 of May-August Immunization Clients were 10-15 years of age
 - Higher for outreach and PODS
 - Clinic drew more 16-18 year olds as well as infants and young children
- Male: Female ratio nearly 1:1
 - Except clinic drew slightly higher proportion female
- Trend for more shots per person at younger age
 - Across all locations
- Most not insured, except many unknown in PODS

Wait Time to Initial Staff Visit by POD Site

Wait Time	Pompano Beach Middle	Morton Community Center	Washington Park
0-5 minutes	46 (14%)	307 (53%)	242 (47%)
5-10 minutes	52 (16%)	91 (16%)	71 (14%)
10-15 minutes	26 (8%)	48 (8%)	45 (9%)
>15 minutes	188 (59%)	77 (13%)	143 (28%)
Missing	9 (3%)	58 (10%)	17 (3%)

Conclusion

- 7,585 children received 20,399 vaccines
- Utilized Public Health Preparedness and the Incident Command Structure proved to be an effective strategy in organizing and delivering targeted mass immunizations
- Helped alleviate overcrowding in clinics
- Provided further integration of a culture of preparedness for both the community and BCHD staff

Limitations

- Florida SHOTS captures only certain data elements
 - No ancillary personnel
 - No "other" tasks (680 form)
- Inability to access internal Health Management System (HMS) data
 - Better describe where clients lived
 - Socio-economic status (SES) information
- Cost effectiveness undetermined