

A Coalition and University Partnership to Document **Engagement and Conduct Assessments** Linda K. Ohri, Karen K. O'Brien, and Alicia C. Vanden Bosch Creighton University School of Pharmacy & Health Professions



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Background & Setting

Immunization coalitions engage communities to positively impact immunization rates. Secondary goals include identifying immunization rates and barriers for communities served. University partners may share these goals, and also seek service learning and scholarly activity opportunities. The Immunization Task Force - Metro Omaha (ITF-MO) collaborates with Creighton University School of Pharmacy and Health Professions Operation Immunization (CU-SPAHP-OI). Faculty and student volunteers participate in community engagement activities such as Health Fairs and immunization conferences. Over the past three years, the partners have developed a strategy to concurrently assess immunization status for engaged populations provide immunization promotion and document these activities. At Health Fairs, volunteers conduct screening and provide a simplified Immunization Schedule, marking immunizations to be considered by the patient and their care provider. The screening record documents contacts made.

Project Description

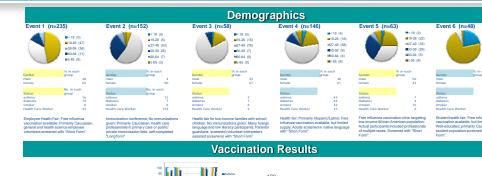
In 2008, a screening form was developed to serve two goals at education and promotion events. 1) Document number of screening/promotion contacts made at the event; and 2) Gather "snap shot" survey data on immunization rates of the targeted populations.

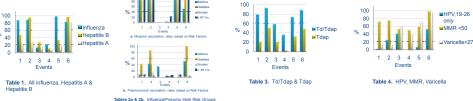
Survey completion was accomplished in one of two ways: 1) At immunization conferences, attendees were asked to complete a "long form" version of the screening tool; and 2) At Health Fairs, volunteers interviewed attendees to ask screening questions relative to immunization status, using a "short form" version of the tool. A code sheet was developed for the screening tool, data was entered into Excel, and subsequently transferred into SPSS (PASW vs 17) for analysis. This project reports results of this screening/promotion/documentation strategy at six service events

Populations

Adults surveyed at the six prototype events represented a broad range of socioeconomic, educational, and cultural backgrounds: immunization professionals; parents of school children receiving free school physicals and screenings; university employees and students. Events served Afro-American, Caucasian, and Latino populations. Language barriers were addressed for some populations. See Results Section Demographics for a detailed description of groups served at specific events







Results Narrative

- · Across 6 events, 702 individuals (mean:117; range:48 235) were screened/received education/promotion for CDC recommended vaccines. · Influenza and pneumococcal immunization rates were low for high risk groups at some events.
- . When Flu vaccine was available at events (#s 1, 5, 6), higher rates of vaccination were reported. Not all vaccinees were surveyed, nor were all surveyed vaccinated. Availability of vaccine at Event #4 was limited (≈ 250 doses for ≈ 700 attendees).
- Meningococcal and Zoster vaccination status questions were inadvertently omitted from three event screening forms (#s 3, 4, and 5).









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Discussion The form evolved over time (modified vaccines and demographic questions) Forms of bias possible in screening survey were identified: Response bias Response bias Respondent gives perceived correct answer Motivation/Interest in participating in survey Recall bias – Ability of respondent to accurately recall information · Selection bias - Screener selection of respondents may not represent event population Measurement bias - How the outcome of interest was measured Reliability - Uniformity in guestioning each respondent: By the same screener; across different screeners Assessment of certain data required subgroup analysis, based on vaccine indications By Age group State and the second s Status conditions may change over time Health Literacy On part of screeners; on part of respondents Language barriers Screener – respondent Communicating intended message Hearing intended message Hearing mended message Interpreter problems Confuse messages or own agenda about responses Children as interpreters Untrained interpreters Inadequate representation of subgroups for whom vaccination is indicated Increased potential for error Td/Tdap Survey/Result Interpretation

 Correctly differentiating Td/Tda Screener; Respondent
Recall bias – In some cases Tdap date noted was prior to vaccine availability.

Conclusions

Lessons Learned Address identified problems – Limitations must be recognized Address identified problems – Limitations must be recognized.
Train Screeners
Adequate knowledge
Standardize training and interview technique
Careful/documented process for change in survey instrument

- Clarity of survey form Clarify population description post-event: may be different than anticipated pre-event.
- Call by population text phone post-event, may be unrear that a muchaned pre-event Interpret survey findings post-event, within thrue context of demographics & forcemstances Evaluation of screening questions asked: appropriate / invasive / unvelcome May vary if respondent is self-completing an anonymous survey Ratio for number of screeners to number of attendees impacts results

Renefits

 Complete surveys document number of encounters
Completed surveys document number of encounters
Results provide a rough "snapshot" of immunization rates for targeted population
Activities include education and vaccine promotion to targeted population
Completed surveys and the increase of future vaccine education and promoti Results identify areas of need for increased future vaccine education and promotion
Perception of value - "screening" may persuade more event attendees to participate in the survey and vaccine education / promotion in the survey and vaccine exclusion / promotion Opportunity for valifier experiential training for both faculty and students • Dis Cultural milities • Cultural milities • Calutaral milities • Caluta

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