

**California and Florida
“In The Know”
Inpatient Data Collection,
Reporting, and Validation**

Module 3: Global Vaccination

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Agenda

- New measure set included in the *Specifications Manual, Version 3.2*
- Implications for the near future
- Assessment of current processes
- Planning for modification of existing (or implementation of new) inpatient vaccination processes

Global Vaccination Measures

- Officially titled “Prevention National Hospital Quality Core Measures”
- Two primary measures:
 - Prev-Imm-1: Pneumococcal Immunization
 - Prev-Imm-2: Influenza Immunization
- Published as “informational only” in the *Specifications Manual*, version 3.2

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Why worry about this now if it is “informational only”???

- CMS is proposing adding these measures for the FY 2014 APU payment determination
- Data submission would begin with
[January 1, 2012 discharges](#)
- This is only about 18 months down the road...

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Initial Patient Populations will be composed of two overlapping groups

1. Age
 - 50 years and older
 - 6 months through 18 years of age
 - Length of stay \leq 120 days

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Initial Patient Populations, cont.

2. High Risk
 - 6 months through 65 years of age and
 - ICD-9-CM Principal or Other Diagnosis Codes:
 - Chronic obstructive pulmonary disease (COPD)
 - Human Immunodeficiency virus (HIV)
 - End stage renal disease (ESRD)
 - Nephrotic syndrome
 - Heart failure (HF)
 - Asthma
 - Diabetes
 - Asplenia
 - Pregnancy
 - Length of stay \leq 120 days

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Prev-Imm-1: Pneumococcal Immunization

| Set Measure ID # | Measure Short Name |
|--------------------|--|
| Prev-Imm-1a | Pneumococcal Immunization – Overall Rate |
| Prev-Imm-1b | Pneumococcal Immunization – Age 65 and greater |
| Prev-Imm-1c | Pneumococcal Immunization – High Risk Populations (Age 5 through 64 years) |
| Prev-Imm-1d | Pneumococcal Immunization – Received During Hospitalization |
| Prev-Imm-1e | Pneumococcal Immunization – Received in Past |
| Prev-Imm-1f | Pneumococcal Immunization – Patient Refused |
| Prev-Imm-1g | Pneumococcal Immunization – Medical Contraindications |

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Prev-Imm-2: Influenza Immunization

| Set Measure ID # | Measure Short Name |
|--------------------|---|
| Prev-Imm-2a | Influenza Immunization – Overall Rate |
| Prev-Imm-2b | Influenza Immunization – Age 6 months to 18 years and greater than 50 years |
| Prev-Imm-2c | Influenza Immunization – High Risk Populations (Age 19 through 49 years) |
| Prev-Imm-2d | Influenza Immunization – Received During Hospitalization |
| Prev-Imm-2e | Influenza Immunization – Received in Past |
| Prev-Imm-2f | Influenza Immunization – Patient Refused |
| Prev-Imm-2g | Influenza Immunization – Medical Contraindications |

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Global Vaccination Measures

***If you were to start reporting
all of these measures now,
how ready would you be?***

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Self-Assessment Questions

- What are your current rates for PN-2 (Pneumococcal Vaccination) and PN-7 (Influenza Vaccination)?
- Does your current process depend on individual physician orders or have you implemented nursing standing orders?
- Are you only assessing and vaccinating your pneumonia patients or *all* high risk patients?

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Self-Assessment Questions

- Do you vaccinate your pediatric patients?
- What percentage of your patients refuse vaccination without a valid reason for doing so?
- What percentage of your hospital staff received influenza vaccine this past year?
- How long does it take your facility to implement or modify a process as involved as vaccinating all high-risk inpatients?

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Recommendations

- Consider implementation of a nursing standing order protocol if you don't already have one
 - Standing order protocols are recommended by numerous professional organizations such as the Advisory Committee on Immunization Practices (ACIP), the Infectious Diseases Society of America (IDSA), and the American Thoracic Society (ATS)

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Recommendations

- Standing order protocols, cont.
 - The safety of these vaccines is well documented, and nurses administer medications on a daily basis that have *much* greater potential for adverse reactions
 - Nurses can easily and quickly screen for high-risk status and vaccination history and activate the standing order protocol as part of their initial nursing assessment

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Recommendations

- Incorporate inpatient vaccination information into mandatory annual staff education activities:
 - Influenza and pneumococcal disease and the benefits of vaccination (including local statistics)
 - Safety and efficacy of these vaccines
 - Identification of high-risk individuals who should be vaccinated (*Their risk from the disease is much greater than any potential risk from the vaccine!*)
 - Contraindications and precautions
 - Administration and documentation

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References and Other Resources

- Bratzler DW, Houck PM, Jiang H, et al. Failure to vaccinate Medicare inpatients: a missed opportunity. *Arch Intern Med.* 2002;162:2349-2356. <http://archinte.ama-assn.org/cgi/reprint/162/20/2349?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=Failure+to+vaccinate&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT>
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- Kissam S, Gifford DR, Patry G, Bratzler DW. Is signed consent for the influenza or pneumococcal polysaccharide vaccines required? *Arch Intern Med.* 2004;164:13-16.
- Centers for Disease control and Prevention (CDC). Facilitating influenza and pneumococcal vaccination through standing orders programs. *MMWR.* January 31, 2003;52(4):68-69. www.cdc.gov/mmwr/preview/mmwrhtml/mm5204a4.htm

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References and Other Resources

- Centers for Disease Control and Prevention (CDC). Prevention and control of influenza: recommendations of the Advisory Committee on Immunization Practices (ACIP). *MMWR Recommendations and Reports.* [2010-2011 recommendations to be published soon. See Feb 2010 update at www.cdc.gov/media/pressrel/2010/r100224.htm]
- Centers for Disease control and Prevention (CDC). Prevention and control of pneumococcal disease: recommendations of the Advisory Committee on Immunization Practices (ACIP). *MMWR Recommendations and Reports.* April 4, 1997;46(RR-8):1-24. www.cdc.gov/mmwr/preview/mmwrhtml/00047135.htm
- Centers for Disease Control. ACIP Provisional Recommendations for Use of Pneumococcal Vaccines, December 8, 2008. www.cdc.gov/vaccines/recs/provisional/downloads/pneumo-oct-2008-508.pdf
- Mandell LA, Wunderlink RG, Anzueta A, et al. Infectious Diseases Society of America; American Thoracic Society. Consensus Guidelines on the Management of Community-Acquired Pneumonia in Adults. *Clin Infect Dis.* 2007 March 1;44 Suppl 2:S27-72.

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References and Other Resources

National Immunization Program. *Epidemiology and Prevention of Vaccine-Preventable Diseases*. “The Pink Book.” 11th ed. Rockville, MD: U.S. Dept of Health and Human Services, Centers for Disease Control and Prevention; May 2009. www.cdc.gov/vaccines/pubs/pinkbook/default.htm.

Immunization Action Coalition. Guide to contraindications and precautions to commonly used vaccines in adults. February 2010. www.immunize.org/catg.d/p3072a.pdf.

Department of Health and Human Services. *Centers for Medicare & Medicaid Services. Medicare and Medicaid programs; conditions of participation: immunization standards for hospitals, long-term care facilities, and home health agencies. Federal Register*. October 2, 2002;67(191):61808-61814. http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-25096-filed.pdf

American Academy of Pediatrics. Policy Statement—Recommendations for the Prevention of Streptococcus Pneumoniae Infections in Infants and Children, *Pediatrics*. 126:1, July 2010. www.pediatrics.org/cgi/doi/10.1542/peds.2010-1280

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References and Other Resources

Websites:

CDC, Vaccines and Preventable Diseases: www.cdc.gov/vaccines/vpd-vac

Immunization Action Coalition: www.immunize.org

Families Fighting Flu: www.familiesfightingflu.org

National Vaccine Injury Compensation Program (VICP): www.hrsa.gov/vaccinecompensation

National Network for Immunization Information: www.immunizationinfo.org

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Helpful Documents

- *Specifications Manual*, Version 3.2b, Prevention Measure Information Form (Global Vaccination)
- MMWR, Prevention of Pneumococcal Disease, Apr 1997
- ACIP, Provisional Recommendations for Pneumococcal Vaccines, Oct 2008
- ACIP, Provisional Recommendations for Influenza Vaccine 2010 – 2011, Mar 2010
- IAC, Contraindications & Precautions, Feb 2010

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Helpful Documents

- MMWR, Standing Orders, Mar 2000
- MMWR, Facilitate Vaccination through SOP, Jan 2003
- Bratzler, Liability Slides, Dec 2005
- IAC, PPV Story #41, Nov 2001
- IAC, First Do No Harm, Jun 2010
- IAC, Needle Tips (Newsletter), Jun 2010

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Questions?



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