

References on School-Located Influenza Immunization

Rationale for School-Located Immunization Programs

- Szilagyi PG, Iwane MK, Humiston SE, Schaffer S, McInerney T, Shone L, et al. Time spent by primary care practices on pediatric influenza vaccination visits: implications for universal influenza vaccination. *Arch Pediatr Adolesc Med* 2003;157:191-5.
- Arcury TA, Preisser JS, Gesler WM, Powers JM. Access to transportation and health care utilization in a rural region. *J Rural Health* 2005;21:31-8.
- Flores G, Abreu M, Olivar MA, Kastner B. Access barriers to health care for Latino children. *Arch Pediatr Adolesc Med* 1998;152:1119-25.
- Burns IT, Zimmerman RK. Immunization barriers and solutions. *J Fam Pract* 2005;54(1 Suppl):S58-62.
- Shefer A, Briss P, Rodewald L, Bernier R, Strikas R, Yusuf H, et al. Improving immunization coverage rates: an evidence-based review of the literature. *Epidemiol Rev* 1999;21:96-142.
- Schaffer SJ, Fontanesi J, Rickert D, Grabenstein JD, Rothholz MC, Wang SA, et al. How effectively can health care settings beyond the traditional medical home provide vaccines to adolescents? *Pediatrics* 2008;121 Suppl 1:S35-45.
- Prosser LA, O'Brien MA, Molinari NA, Hohman KH, Nichol KL, Messonnier ML, et al. Non-traditional settings for influenza vaccination of adults: costs and cost effectiveness. *Pharmacoeconomics*. 2008;26:163-78.
- McCauley MM, Fishbein DB, Santoli JM. Introduction: strengthening the delivery of new vaccines for adolescents. *Pediatrics* 2008;121 Suppl 1:S1-4.
- Lindley MC, Boyer-Chu L, Fishbein DB, Kolasa M, Middleman AB, Wilson T, et al. The role of schools in strengthening delivery of new adolescent vaccinations. *Pediatrics* 2008;121 Suppl 1:S46-54.
- Schmier J, Li S, King JC, Jr., Nichol K, Mahadevia PJ. Benefits and costs of immunizing children against influenza at school: an economic analysis based on a large-cluster controlled clinical trial. *Health Aff (Millwood)* 2008;27:w96-104.
- White T, Lavoie S, Nettleman MD. Potential cost savings attributable to influenza vaccination of school-aged children. *Pediatrics* 1999;103:e73.

Wilson T. Economic evaluation of a metropolitan-wide, school-based hepatitis B vaccination program. *Public Health Nurs* 2000;17:222-7.

Poland GA, Hall CB. Influenza immunization of schoolchildren: Can we interrupt community epidemics? *Pediatrics*. 1999;103:1280-1.

Health effects of influenza on children and families.

Fiore AE, Shay DK, Broder K, Iskander JK, Uyeki TM, Mootrey G, et al. Prevention and control of influenza: recommendations of the Advisory Committee on Immunization Practices. *MMWR Recomm Rep*. 2008; 57(RR-7):1-60

American Academy of Pediatrics Committee on Infectious Diseases. Prevention of influenza: recommendations for influenza immunization of children, 2008-2009. *Pediatrics*. 2008, 122: 1135-41.

Neuzil KM, Mellen BG, Wright PF, Mitchel EF, Griffin MR. The effect of influenza on hospitalizations, outpatient visits, and courses of antibiotics in children. *N Engl J Med*. 2003;342:225-231.

Munoz FM. The impact of influenza in children. *Semin Pediatr Infect Dis*. 2002; 13:72-8.

Bhat N, Wright JG, Broder KR, Murray EL, Greenberg ME, Glover MJ, et al. Influenza-associated deaths among children in the United States, 2003-2004. *N Engl J Med*. 2005; 353:2559-67.

Neuzil KM, Wright PF, Mitchel EF, Griffin MR. The burden of influenza illness in children with asthma and other chronic medical conditions. *J Pediatr*. 2000; 137:856-64.

Ampofo K, Gesteland PH, Bender J, Mills M, Daly J, Samore M, et al. Epidemiology, complications, and cost of hospitalization with laboratory-confirmed influenza infections. *Pediatrics*. 2006; 118:2409-2417.

Neuzil KM, Hohlbein C, Zhu Y. Illness among schoolchildren during influenza season. Effect on school absenteeism, parental absenteeism from work, and secondary illness in families. *Arch Pediatr Adolesc Med*. 2002;156:986-991.

Community-level protection from influenza vaccination

- King JC Jr, Stoddard JJ, Gaglani MJ, Moore KA, Magder L, McClure E, Rubin JD, Englund JA, Neuzil K. Effectiveness of school-based influenza vaccination. *N Engl J Med*. 2006;355:2523-32.
- Monto AS, Davenport FM, Napier JA, Francis T, Jr. Effect of vaccination of a school-age population upon the course of an A2-Hong Kong influenza epidemic. *Bull World Health Organ* 1969;41:537-42.
- Monto AS, Davenport FM, Napier JA, Francis T, Jr. Modification of an outbreak of influenza in Tecumseh, Michigan by vaccination of schoolchildren. *J Infect Dis* 1970;122:16-25.
- Hurwitz ES, Haber M, Chang A, Shope T, Teo S, Ginsberg M, et al. Effectiveness of influenza vaccination of day care children in reducing influenza-related morbidity among household contacts. *JAMA* 2000;284:1677-82.
- King JC. A school-based influenza vaccination program - The SchoolMist Trials. Available at: <http://www.touchbriefings.com/pdf/2110/king.pdf>. Accessed July 7, 2008.
- Glezen WP. Herd protection against influenza. *J Clin Virol* 2006;37(4):237-43.
- Glezen WP. Universal influenza vaccination and live attenuated influenza vaccination of children. *Ped Infect Dis J*. 2008;27: S104-109.
- Piedra PA, Gaglani MJ, Kozinetz CA, Herschler G, Riggs M, Griffith M, et al Herd immunity in adults against influenza-related illnesses with use of the trivalent-live attenuated influenza vaccine. *Vaccine*. 2005;23:1540-8.
- Reichert TA, Sugaya N, Fedson DS, Glezen WP, Simonsen L, Tashiro M. The Japanese experience with vaccinating schoolchildren against influenza. *N Engl J Med* 2001;344:889-96.
- Reichert TA, Sugaya N, Fedson DS, Glezen WP, Simonsen L, Tashiro M. Measuring the effect of influenza vaccination programs - the Japanese schoolchildren experience revisited. *International Congress Series* 2001;1219:647-53
- Jordan R, Connock M, Albon E, Fry-Smith A, Olowokure B, Hawker J, et al. Universal vaccination of children against influenza: are there indirect benefits to the community? A systematic review of the evidence. *Vaccine* 2006;24:1047-62.
- Weyercker D, Edelsberg J, Halloran ME, Longini IM, Azhar A, Ciuryla V, Oster G. Population-wide benefits of routine vaccinations of children against influenza. *Vaccine*. 2005; 23:1284-93.

Pandemic influenza and School-Located Immunization Programs

Longini IM Jr, Halloran ME. Strategy for distribution of influenza vaccine to high-risk groups and children. *Am J Epidemiol.* 2005; 161(4):303-6.

Glass K, Barnes B. How much would closing schools reduce transmission during and influenza pandemic? *Epidemiology.* 2007;18:623-8.

Radonovich LJ Jr, Bender BS, Small PA Jr. Children should be among the highest priority groups to receive immunization for seasonal and pandemic influenza. *Biosecur Bioterror.* 2007;5:363-5.

Radonovich LJ, Bender BS, Small PA. Children should be among the highest priority groups to receive immunization for seasonal and pandemic influenza. *Biosecur Bioterror.* 2007;5:363-5.

Influenza Vaccine Efficacy in Children

Fiore AE, Shay DK, Broder K, Iskander JK, Uyeki TM, Mootrey G, et al. Prevention and control of influenza: recommendations of the Advisory Committee on Immunization Practices. *MMWR Recomm Rep.* 2008; 57(RR-7):1-60

American Academy of Pediatrics Committee on Infectious Diseases. Prevention of influenza: recommendations for influenza immunization of children, 2008-2009. *Pediatrics.* 2008, 122(5): 1135-41.

Jefferson T, Smith S, Demicheli V, Harnden A, Rivetti A, Di Pietrantonj C. Assessment of the efficacy and effectiveness of influenza vaccines in healthy children: systematic review. *Lancet* 2005;365:773-80.

Halloran ME, Piedra PA, Longini IM, Gaglani MJ, Schmotzer B, Fewlass C, et al. Efficacy of trivalent, cold-adapted influenza virus vaccine against influenza A (Fujian), a drift variant, during 2003-2004. *Vaccine.* 2007;25:4038-45.

Safety of Influenza Vaccine

Fiore AE, Shay DK, Broder K, Iskander JK, Uyeki TM, Mootrey G, et al. Prevention and control of influenza: recommendations of the Advisory Committee on Immunization Practices. *MMWR Recomm Rep.* 2008; 57(RR-7):1-60

Zangwill KM, Belshe RB. Safety and efficacy of trivalent inactivated influenza vaccine in young children: a summary for the new era of routine vaccination. 2004;23:189-200.

Piedra PA. Safety of the trivalent, cold-adapted influenza vaccine (CAIV-T) in children. *Semin Pediatr Infect Dis.* 2002;13:90-96.

Piedra PA, Gaglani MJ, Riggs M, Herschler G, Fewlass C, Watts M, et al. Live attenuated influenza vaccine, trivalent is safe in healthy children 18 months to 4 years, 5 to 9 years, and 10 to 18 years of age in a community-based, non-randomized, open-label trial. *Pediatrics.* 2005;116:e397-407.

Cost Effectiveness of Influenza Vaccination

Prosser LA, Bridges CB, Uyeki TM, Hinrichsen VL, Meltzer MI, Molinari NAM, et al. Health benefits, risks and cost-effectiveness of influenza vaccination of children. *Emerg Inf Dis.* 2006;12:1548-58.

Principi N, Esposito S, Marschisio P, Gasparini R, Crovari P. Socioeconomic impact of influenza on healthy children and their families. *Pediatr Infect Dis J.*

Best practices for School-Located Immunization Programs

Cawley J, Hull HF, Rosculp M. Strategies for Implementing Influenza Vaccination of School-Aged Children – A Systematic Literature Review. (Paper presented at 2nd Global Congress on Vaccine, Boston, December 7-9, 2008).

Results of School-Located Immunization Programs

Carpenter LR, Lott J, Lawson BM, Hall S, Craig AS, Schaffner W, et al. Mass distribution of free, intranasally administered influenza vaccine in a public school system. *Pediatrics* 2007; 120(1):e172-8.

King JC, Jr., Cummings GE, Stoddard J, Readmond BX, Magder LS, Stong M, et al. A pilot study of the effectiveness of a school-based influenza vaccination program. *Pediatrics* 2005;116(6):e868-73.

Hull HF, Frauendienst RS, Gundersen ML, Monsen SM, Fishbein DB. School-based influenza immunization. *Vaccine.* 2008 Aug 12;26(34):4312-3.