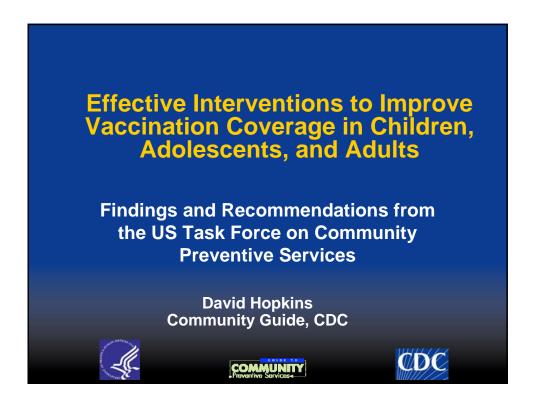
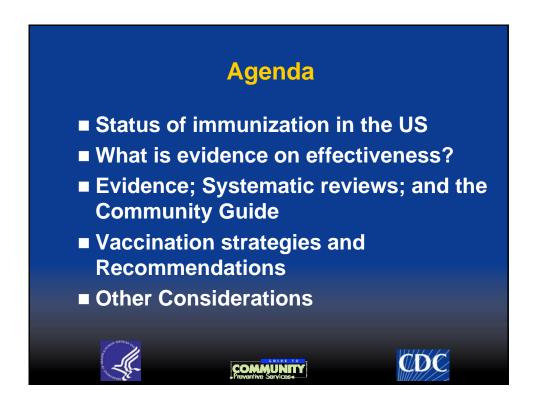
Cette présentation a été effectuée le 21 novembre 2007, au cours de la journée « Une stratégie polyvalente pour une promotion efficace de la vaccination » dans le cadre des Journées annuelles de santé publique (JASP) 2007. L'ensemble des présentations est disponible sur le site Web des JASP, à l'adresse http://www.inspq.qc.ca/archives/.





"...No duty of society, acting through its government agencies, is paramount to this obligation to attack the removable cause of disease. The duty of leading this attack and bringing home to public opinion the fact that the community can buy its own health protection is laid upon all health officers, organization and individuals interested in public health movements....."

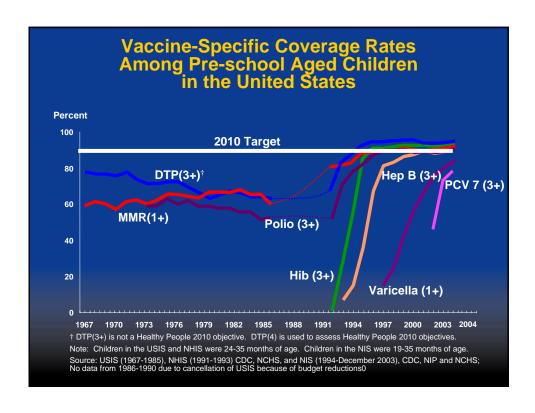
Hermann Biggs Medical Officer New York City DOH 1911



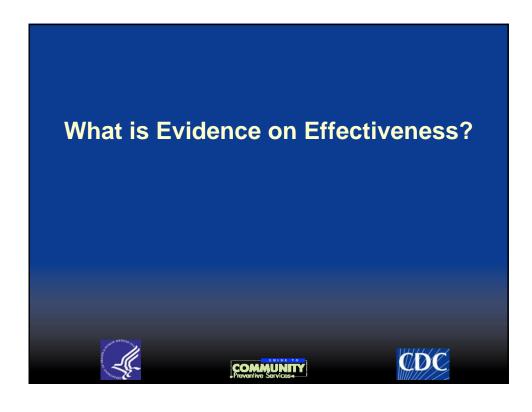
Challenges in the United States

- Rapid introduction of new vaccines
- Establishing and maintaining a steady vaccine supply
- Vaccine financing
- Reducing remaining racial/ethnic disparities in coverage
- Effectively addressing fears about vaccine safety

Source (slides 4 and 5): S Cochi, National Immunization Program, CDC, 2005



Still A Lot of Room for Improvement among Adults (2005)					
Influenza ■ 18-49 yrs with high risk conditions	18%	Pneumococc ■ 18-49 yrs with high risk conditions			
■ 50-64 yrs old	34%	■ 50-64 yrs old	31%		
HP 2010 objective	60%	HP 2010 objective	60%		
■ 65+ yrs	60%	■ 65+ yrs	56%		
HP 2010 objective	90%	HP 2010 objective	90%		
Source: National Immunization Program, CDC (2006)					



"Evidence" in Public Health

- A wild guess
- An educated guess
- Word of mouth (what others are doing)
- Case report (before-after experience)
- A scientific trial

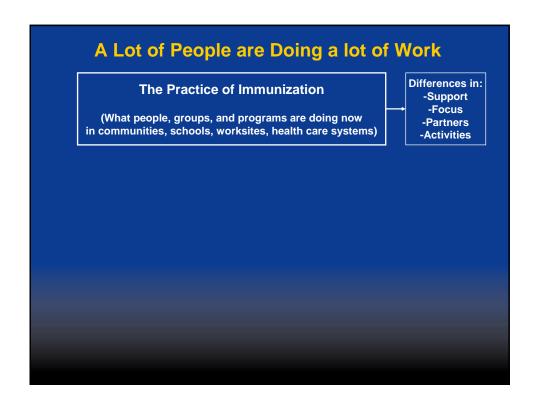
One group gets the intervention A second group acts as a comparison

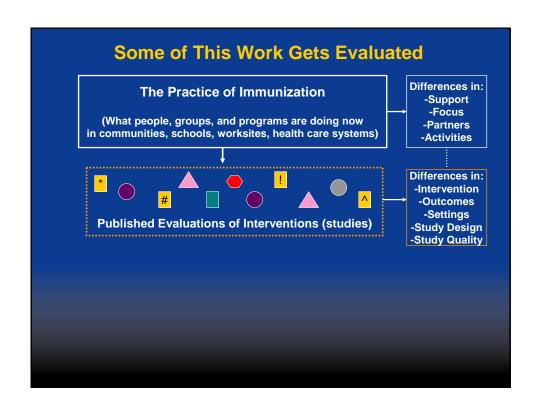
- A narrative review of related studies
- A systematic review

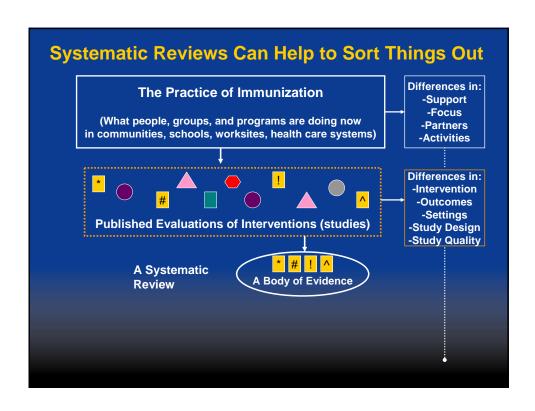


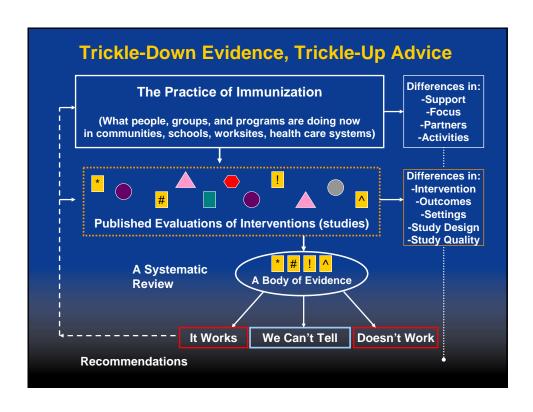
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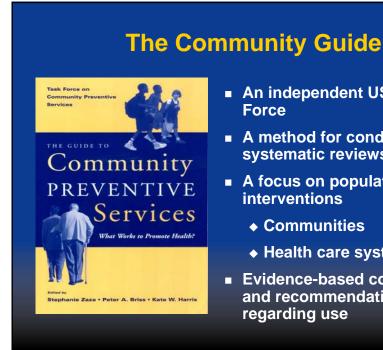




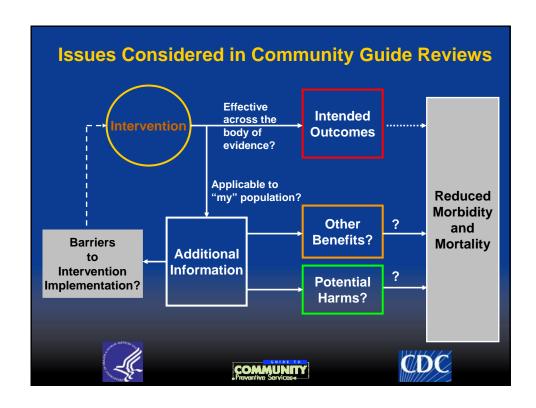


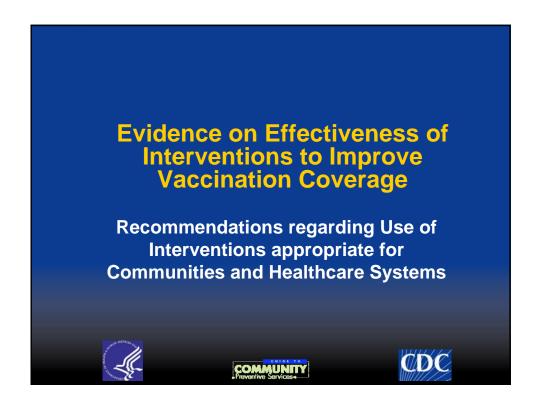




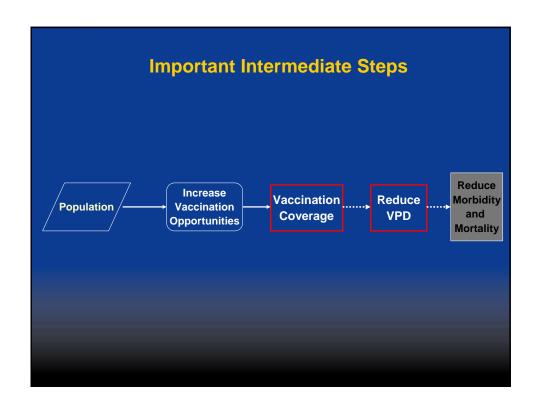


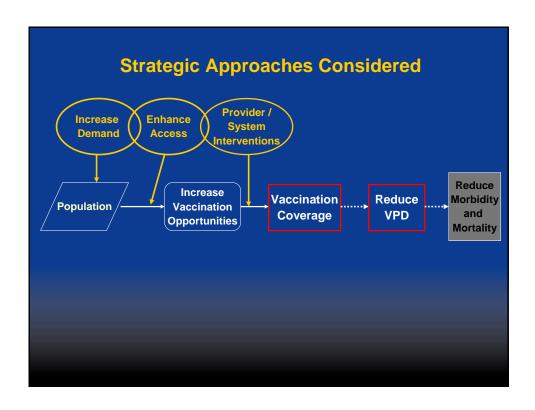
- An independent US Task **Force**
- A method for conducting systematic reviews
- A focus on population-based interventions
 - Communities
 - ◆ Health care systems
- **■** Evidence-based conclusions and recommendations regarding use

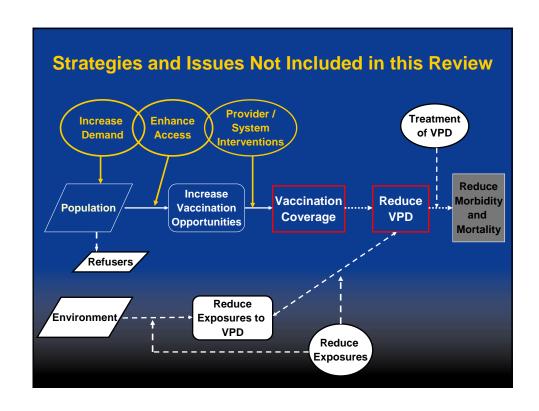


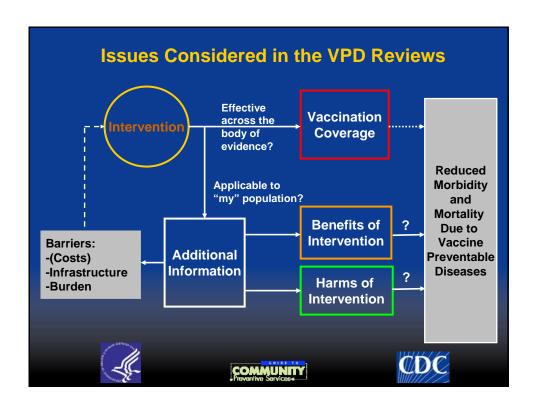












Recommendations from the Task Force on Community Preventive Services

Interventions to Increase Vaccination Coverage in Children, Adolescents, and Adults







Interventions to Increase Client and Community Demand for Vaccinations

Intervention Reviewed	# Studies	Task Force Finding
Client reminder / recall	42	Recommended—Strong
Education when combined with other Interventions	17	Recommended—Strong
Vaccination requirements for childcare, school, college	9 (3)	Recommended—Sufficient
Community education when implemented alone	1	Insufficient Evidence
Clinic-based education when implemented alone	3	Insufficient Evidence
Client or family incentives	3	Insufficient Evidence
Client-held medical records	4	Insufficient Evidence

Interventions to Enhance Access to Vaccination Services

Intervention Reviewed	# Studies	Task Force Finding
Reducing client out-of-pocket costs	19 (14)	Recommended—Strong
Expanding access in health care settings when combined with other interventions	15	Recommended—Strong
Vaccination Programs in US WIC settings	4	Recommended—Sufficient
Home Visits for vaccinations	7	Recommended—Sufficient
Vaccination programs in schools	9 (2001)	Recommended—Sufficient
Vaccination programs in childcare centers	0	Insufficient Evidence
Expanding access in health care settings alone	2	Insufficient Evidence

Provider-based Interventions to Increase Vaccinations

Intervention Reviewed	# Studies	Task Force Finding
Provider Reminder / Recall	29	Recommended—Strong
Provider Assessment and Feedback	14	Recommended—Strong
Standing Orders for Adult Clients	10	Recommended—Sufficient
Standing Orders for Children	0	Insufficient Evidence
Provider Education when implemented alone	4	Insufficient Evidence

An Example of Review Findings

- Client Reminder / Recall
 - ◆ Prompts to clients that their vaccinations are due or overdue
 - Mail (letters, postcards)
 - Telephone
 - Registry systems can be used to identify and generate reminders



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Impact on Vaccination Coverage

- 42 included studies
 - ◆ 31 study arms when implemented alone
 - Median change: +8 pct points across baseline coverage of 4% to 94%
 - ◆ 23 study arms when combined with other interventions
 - Median change: +16 pct points across baseline coverage rates of 5% to 89%



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Additional Information

- Applicability: Interventions were effective in a variety of settings, and populations, and for most vaccines
 - Across a range of baseline coverage
 - For children and adults
 - (No studies of adolescents/ Hepatitis B)
- Benefits/Harms: No information
- Barriers: Infrastructure; Burden



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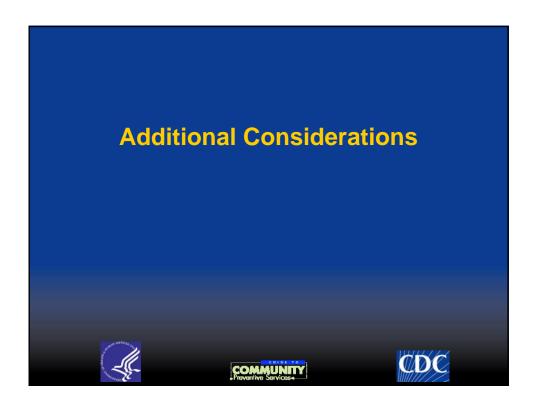
Task Force Recommendation

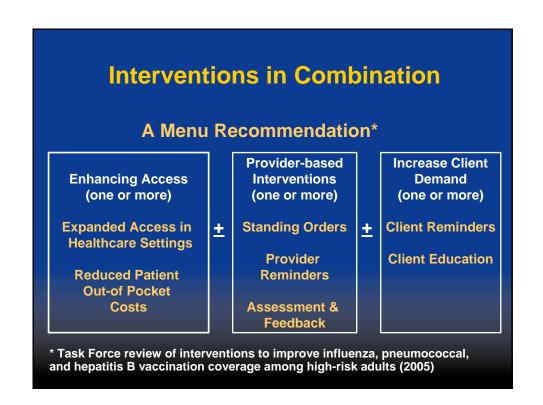
Client reminder/recall interventions are recommended on the basis of strong scientific evidence that they improve vaccination coverage 1) in children and adults, 2) in a range of settings and populations, 3) when applied at different levels of scale from individual practice settings to entire communities; 4) across a range of intervention characteristics (e.g. reminder or recall, content, theoretical basis and method of delivery); and (5) whether used alone or as part of multicomponent intervention.



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Limits of Community Guide Reviews and Recommendations

- Recommendations do not replace the need for local assessments of community priorities and resources
- Reviews provide:
 - options to health systems and public health programs in building more comprehensive programs
 - evidence to advocate for change
 - evidence to defend decisions made



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Conclusions

- There are a number of effective interventions to improve vaccination coverage
- Education alone (for clients or providers) is probably not enough
- Combinations of interventions may be more effective than single interventions
- These reviews are now being updated to incorporate new studies



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