

Uses of NCHS Data

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April 23, 2004

Selected NCHS “Flagship” Activities

- National Health Interview Survey (NHIS)
- National Health and Nutrition Examination Survey (NHANES)
- National Health Care Surveys (NHCS)
- State and Local Area Integrated Telephone Survey (SLAITS)

How NCHS Data is Used

- Research
 - Clinical/Medical
 - Public health research
 - Health services research
- Policy/Program
 - Policy design, development, implementation
 - Program design, monitoring, evaluation
- Science Base/Methods
 - Improving data collection and analysis methods and content
 - Identifying gaps in health and health care information and knowledge

National Health Interview Survey

- Research
 - Chronic disease tracking: Narayan, et al. “Lifetime risk for diabetes mellitus in the US.” *JAMA* 2003.
 - Smoking behavior: Barbeau et al. Working class matters: socioeconomic disadvantage... and smoking. *Am J Public Health* 2004.
- Policy/Program
 - Prescription drugs
 - Health insurance coverage
- Science Base/Methods
 - MEPS linkage file, survey integration
 - California Health Interview Survey (CHIS)

National Health and Nutrition Survey (NHANES)

- Research

- Obesity: Flegal et al. “Prevalence and Trends in Obesity Among US Adults, 1999-2000.” *JAMA* 2002.
- Hypertension: Lim and Cassano “Homocysteine and Blood Pressure” *Am J Epidemiol* 2002

- Policy/Program

- Evaluating the school breakfast program
- Steps to a HealthierUS
- Mercury in fish guidelines for pregnant women

- Science Base/Methods

- Clinical measures outside physician offices
- Growth charts

SLAITS

- Research
 - Unmet need: Mayer et al. “Unmet need for routine and specialty care...” *Pediatrics* 2004.
 - National Asthma Survey: articles forthcoming
- Policy/Program
 - SCHIP Evaluation
 - Children with special health care needs
- Science Base/Methods
 - Spawned surveys: NSCSHCN, SCHIP, NSCH, NAS
 - Collaborative funding and data collection

National Health Care Surveys (NHCS)

- Research

- Access: Forrest & Whelan. “Primary care safety-net in the US: A comparison of CHCs, outpatient departments, and physicians' offices.” *JAMA* 2000.
- Utilization: Burt and Bernstein “Trends in use of medications associated with women's ambulatory care visits.” *Journal of Women's Health* 2003.

- Policy/Program

- PBRN Networks' PRNS dataset
- Validation of CMS RVUs

- Science Base/Methods

- Base for measuring Healthy People 2010 objectives
- HCUP & NHDS comparison
- NHPI

Summary: Selected Flagships by Data Use

	NHIS	NHANES	SLAITS	NHCS
Research	<ul style="list-style-type: none"> • Chronic disease • Smoking 	<ul style="list-style-type: none"> • Obesity • Hypertension 	<ul style="list-style-type: none"> • Asthma • Unmet need 	<ul style="list-style-type: none"> • Access to care • Demand, utilization
Policy/ Program	<ul style="list-style-type: none"> • Rx Drug access • Health insurance Coverage 	<ul style="list-style-type: none"> • Evaluating the school breakfast program • Steps to a Healthier US 	<ul style="list-style-type: none"> • SCHIP • Children with special health care needs 	<ul style="list-style-type: none"> • PBRN Networks PRNS dataset • Validation of CMS RVUs
Science Base/ Methods	<ul style="list-style-type: none"> • MEPS linkage; survey integration • CHIS 	<ul style="list-style-type: none"> • Clinical measures outside of MD office • Growth charts 	<ul style="list-style-type: none"> • Spawned surveys • Collaborative funding 	<ul style="list-style-type: none"> • NHPI • HCUP & NHDS comparison

Grab bag of NCHS Data Contributions

- National Health Care Quality Report
- National Health Disparities Report
- Survey Integration/Data Integration
- Provider Information Infrastructure
- NCHS survey items: used in developing most survey content on health/health care US survey research
- Gaps:
 - state/county level estimates: HI, disease prevalence
 - provider frame [??]
 - Improving “better, smarter, faster”
 - SAMPLE SIZE!!

Conclusions and Discussion Items

- All of the main NCHS data initiatives can be thought of as pillars of the health and health care information base
- Each of them fills many information needs across a range of operational, programmatic, research, methodological, and policy objectives
- Bang for the buck is considerable
- How do we address gaps in a time of tight budgets?
- Where is survey integration in the 21st century?
- Mechanism for improved for fast track approaches to address pressing information needs (e.g., MMA)
- Without methods research the engine will ultimately quit (user community may not understand this....Hill community almost certainly doesn't')