

Data Standards in HHS Data Collection

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Marjorie S. Greenberg
Classifications and Public Health Data Standards Staff
National Center for Health Statistics (NCHS)
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (DHHS)

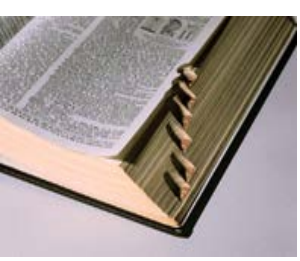


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Agenda

- ▶ The Case for Data Standards
- ▶ International Classification of Diseases
- ▶ Electronic Health Record Standards for Vital Statistics
- ▶ Demographic standards for HHS surveys
- ▶ Collection of socioeconomic status data in HHS surveys



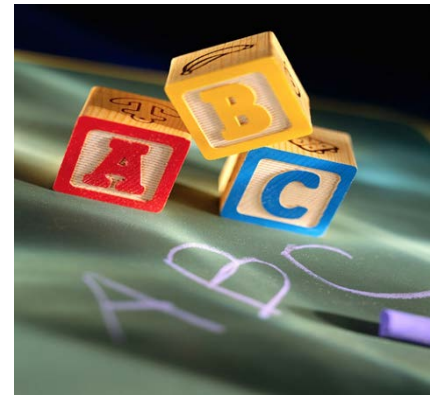
The Case for Data Standards

- ▶ Data Standards are the common language that allows:
 - sharing information
 - communication across disciplines
 - integration of disparate data systems
 - comparisons among data sets and across geographic areas
 - linkage of data in a secure environment
 - exchange of data between clinical and population-based data systems



The Case for Data Standards

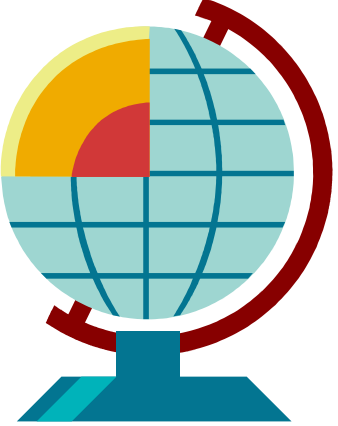
- ▶ Data Standards are the essential building blocks of information systems
 - Classification Systems and Terminologies (e.g., ICD, ICF, SNOMED)
 - Core Data Sets (vital statistics, hospital discharge data)
 - Identifiers (provider, plan, individual)
 - Message formats (e.g., HL-7 and X12)
 - Privacy and Security
 - Implementation Guides



The Case for Data Standards

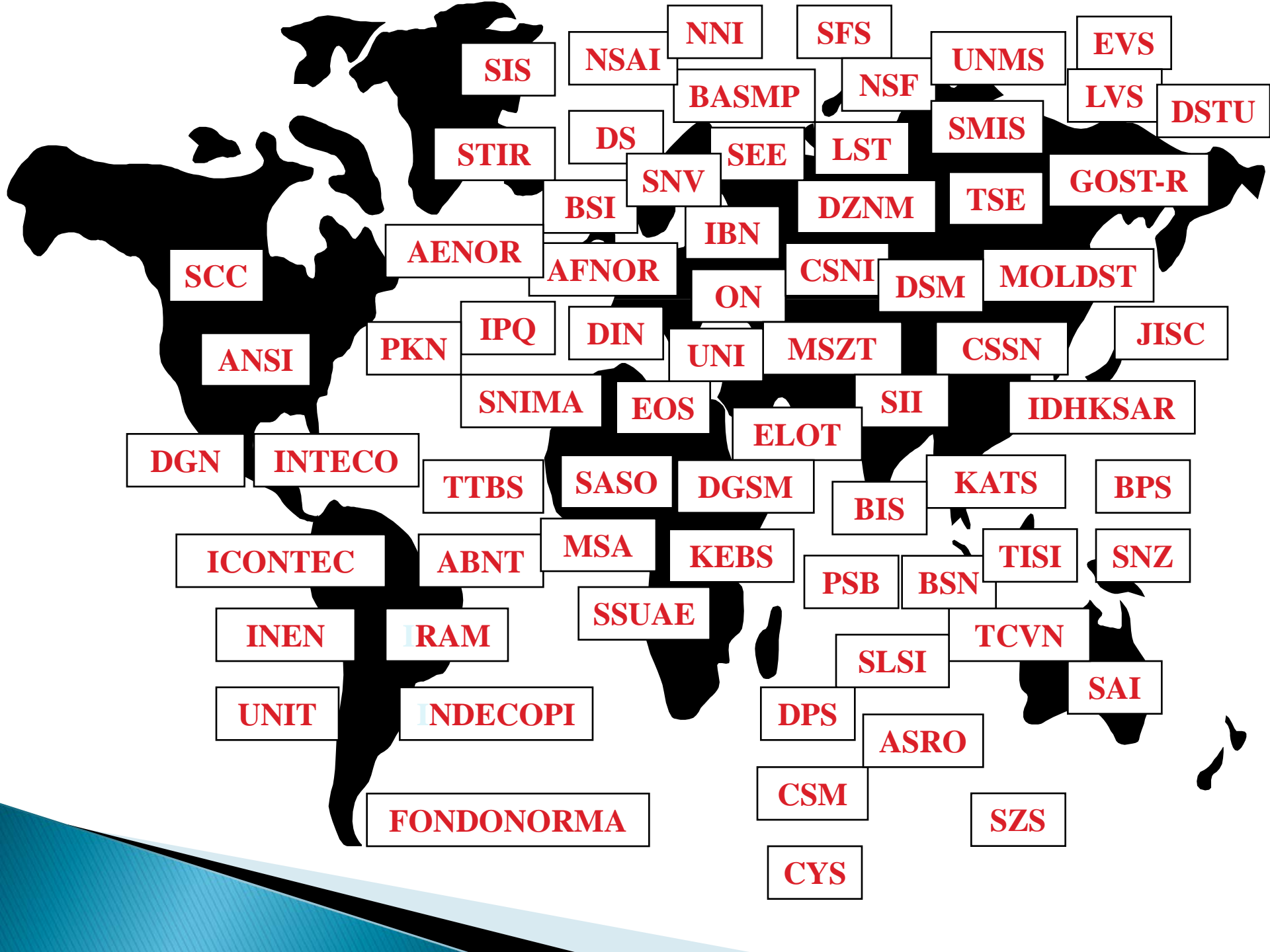
- ▶ Data Standards are the fundamental building blocks for:
 - an effective and efficient health care system
 - disease surveillance
 - monitoring the health and health care of the nation
 - performing outcomes research
 - providing information for decision making and policy development





International Perspective

- ▶ Health data standards can be traced back several centuries
 - London Bills of Mortality – 17th Century
 - Florence Nightingale – mid – 19th Century
 - Bertillon classification – late 19th century
 - International Organization for Standardization (ISO) – 1947
 - World Health Organization (WHO) – 1948
 - Organization for Economic Cooperation and Development (OECD) – 1961
 - Health Level Seven International – 1987
 - Integrating the Healthcare Enterprise – 1997



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U.S. Standards Development

- ▶ National Center for Health Statistics
 - Birth and Death Certificates
 - Clinical modifications of ICD
 - Health Interview and Examination Surveys
- ▶ National Committee on Vital and Health Statistics (NCVHS) - uniform data sets
- ▶ U.S. Bureau of the Census - demographics variables
- ▶ Office of Management and Budget (OMB)
 - Race and Ethnicity Categories
- ▶ DHHS - Consolidated Health Informatics, Meaningful Use of Electronic Health Records
- ▶ HHS Data Council - ACA standards
- ▶ HL-7, ANSI X12, NCPDP - messaging standards

Some Take-Away Thoughts

- ▶ Everyone likes standards – especially their own!
- ▶ It takes a lot of time and patience to develop standards and even more to implement them
- ▶ It's best to start with minimum standards
- ▶ You need to be at the table
- ▶ Standards increasingly are global

