

Creating a Representative Sample for the 2018 National Sample Survey of Registered Nurses (NSSRN) Using Administrative Records

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Outline

- Brief History
- 2018 Survey Redesign
- 2018 Sampling Frame
- Experiments
- Schedule



NSSRN History

- Conducted by the Health Resources and Services Administration's (HRSA) National Center for Health Workforce Analysis (NCHWA) approximately every 4 years from 1977-2008
- Mandate for survey originally found in the Public Health Service Act
- Data are used to evaluate and project nursing resources at the state and national level
- Topics include:
 - Education and training in nursing
 - Professional nursing certifications
 - Current and past nursing workforce participation
 - Income
 - Demographic characteristics
 - States in which they hold current licenses

2018 Survey Redesign

- First time the survey will be conducted since 2008
- Combines NSSRN with National Sample Survey of Nurse Practitioners (NSSNP)
- Collects public opinion data on the National Practitioner Data Bank
- Incorporates questionnaire design best practices
 - Expert review
 - Cognitive testing
 - Usability testing

2008

2018

23. Which one of the following **best** describes the employment setting of the **principal nursing position** you held on March 10, 2008?
Mark one box only.

- Hospital (including all types of care at a hospital location)**
- Community hospital or medical center, Non-Federal, short stay
 - Inpatient unit
 - Nursing home unit in hospital
 - Outpatient clinic/medical practice owned by a hospital
 - Outpatient clinic/medical practice located at a hospital but not owned by the hospital
 - Other administrative or functional area
 - Specialty hospital, Non-Federal (children's, heart, burns, cancer)**
 - Inpatient unit
 - Outpatient clinic/medical practice owned by a hospital
 - Outpatient clinic/medical practice located at a hospital but not owned by the hospital
 - Other administrative or functional area
 - Long-term hospital, Non-psychiatric, Non-Federal**
 - Inpatient unit
 - Nursing home unit in hospital
 - Other administrative or functional area
 - Psychiatric hospital, Non-Federal**
 - Inpatient unit
 - Nursing home unit in hospital
 - Outpatient clinic/medical practice owned by a hospital
 - Outpatient clinic/medical practice located at a hospital but not owned by the hospital
 - Other administrative or functional area
 - Federal Government hospital (Military, VA, NIH or IHS-supported)**
 - Inpatient unit
 - Nursing home unit in hospital
 - Outpatient clinic/medical practice located at a hospital
 - Other administrative or functional area
 - Hospital unit in an institution (infirmiry, correctional facility)**
 - All types
 - Other Type of hospital**
 - Inpatient unit
 - Nursing home unit in hospital
 - Outpatient clinic/medical practice owned by a hospital
 - Outpatient clinic/medical practice located at a hospital but not owned by the hospital
 - Other administrative or functional area
- Specify:*
- Nursing Home/Extended Care Facility**
- Nursing home/extended care facility (not in a hospital)
 - Facility for mentally retarded or developmentally disabled
 - Residential care/assisted living facility
 - Other type of extended care facility
- Specify:*
- Home Health Setting**
- Visiting nurse service (VNS/VNA)
 - Home health service unit (hospital-based)
 - Home health agency (non-hospital based)
 - Private duty in a home setting
 - Hospice
 - Other home health setting

- Academic Education Program**
- Nursing aide and/or home health aide program
 - LPN/LVN program
 - Diploma program (RN)
 - Associate degree RN program
 - Bachelor's and/or higher degree RN program
 - Associate degree RN and LPN/LVN program
 - Associate degree RN and BSN program
 - Other education program, not patient education
- Specify:*
- Public or Community Health Setting**
- State Health or Mental Health Agency
 - City or County Health Department
 - Correctional Facility (non-hospital)
 - Community mental-health organization or clinic
 - Substance abuse center/clinic
 - Other community setting
- Specify:*
- School Health Service**
- School or school system (K-12)
 - College or university
 - Other school health setting
- Occupational Health (Employee Health Service)**
- Private industry
 - Government occupational health services
 - Other occupational health setting
- Ambulatory Care Setting, not located in a hospital**
- Medical/physician practice
 - Nurse practice
 - In-store or retail clinic
 - Community health center
 - Federal clinic (Military, VA, NIH or IHS-supported)
 - Federally-supported clinic (not a community health center)
 - Hospital-owned *off-site* clinic or surgery center
 - Ambulatory surgical center, not hospital-owned
 - Urgent care
 - Dialysis center or clinic, not in a hospital
 - Other ambulatory setting
- Specify:*
- Insurance Claims/Benefits/Utilization Review**
- Government insurer/benefits department: federal, state, or local
 - Insurance company or other private claims/benefits/utilization review organization
- Other**
- Policy, planning, regulatory, or licensing agency
 - Consulting organization or self-employed
 - Home-based self-employment
 - Telehealth, telenursing, or call center
 - Pharmaceutical/medical device/medical software
 - Other
- Specify:*

- B8. For the principal nursing position you held on December 31, 2016, which of the following best describes your employment situation? *Mark one box only.*
- Employed through an employment agency as a traveling nurse
 - Employed through an employment agency, but not as a traveling nurse
 - Employed by the organization or facility at which you were working
 - Self-employed, per-diem, or working as-needed

- B9. For the principal nursing position you held on December 31, 2016, did you work full-time or part-time? *Mark one box only.*
- Full-time (including full-time for an academic year)
 - Part-time (including working only part of the calendar or academic year)
- B10. For the principal nursing position you held on December 31, 2016, how many months did you normally work per year?
- months per year

B11. Which one of the following best describes the employment setting of the principal nursing position you held on December 31, 2016? *Mark one box only.*

Hospital (not mental health)

- Inpatient
- Emergency department
- Hospital ambulatory care department (outpatient, surgery, clinic, urgent care, etc.)
- Hospital ancillary unit
- Hospital nursing home unit
- Hospital critical access
- Hospital administration
- Hospital other, *Specify:*

Other inpatient setting

- Nursing home unit NOT in hospital
- Rehabilitation facility/long-term acute care
- Inpatient mental health
- Correctional facility
- Inpatient hospice
- Other inpatient setting, *Specify:*

Clinic/Ambulatory

- Private medical practice, clinic, physician office, etc.
- Public clinic (Rural health center, FQHC, Indian Health Service, Tribal Clinic, etc.)
- School health service (K-12 or college)
- Outpatient mental health/substance abuse
- Urgent care (not hospital based)
- Ambulatory surgery center (free standing)
- Nurse managed health center
- Other, *Specify:*

Other types of setting

- Occupational health or employee health service
- Public health or community health agency (not a clinic)
- Government agency other than public/community health or correctional facility
- Outpatient dialysis center
- University or college academic department
- Home health agency/service
- Case management/disease management
- Call center/telenursing center
- Other, *Specify:*

2018 Sampling Frame

- Nationwide sample of over 100,000 Registered Nurses (RNs)
- Complete list of currently active RN licenses in the U.S. does not yet exist
- Census will create a frame from state licensure board listings
 - Data is being collected from:
 - National Council of State Boards of Nursing (NCSBN)
 - Individual state licensure boards

Data Requested from States

All RNs
licensed
and
eligible to
practice
from each
state
including:

Advanced
Practice Nurses

Nurse Practitioners

Certified Nurse Midwives

Certified Registered Nurse Anesthetists

Clinical Nursing Specialist

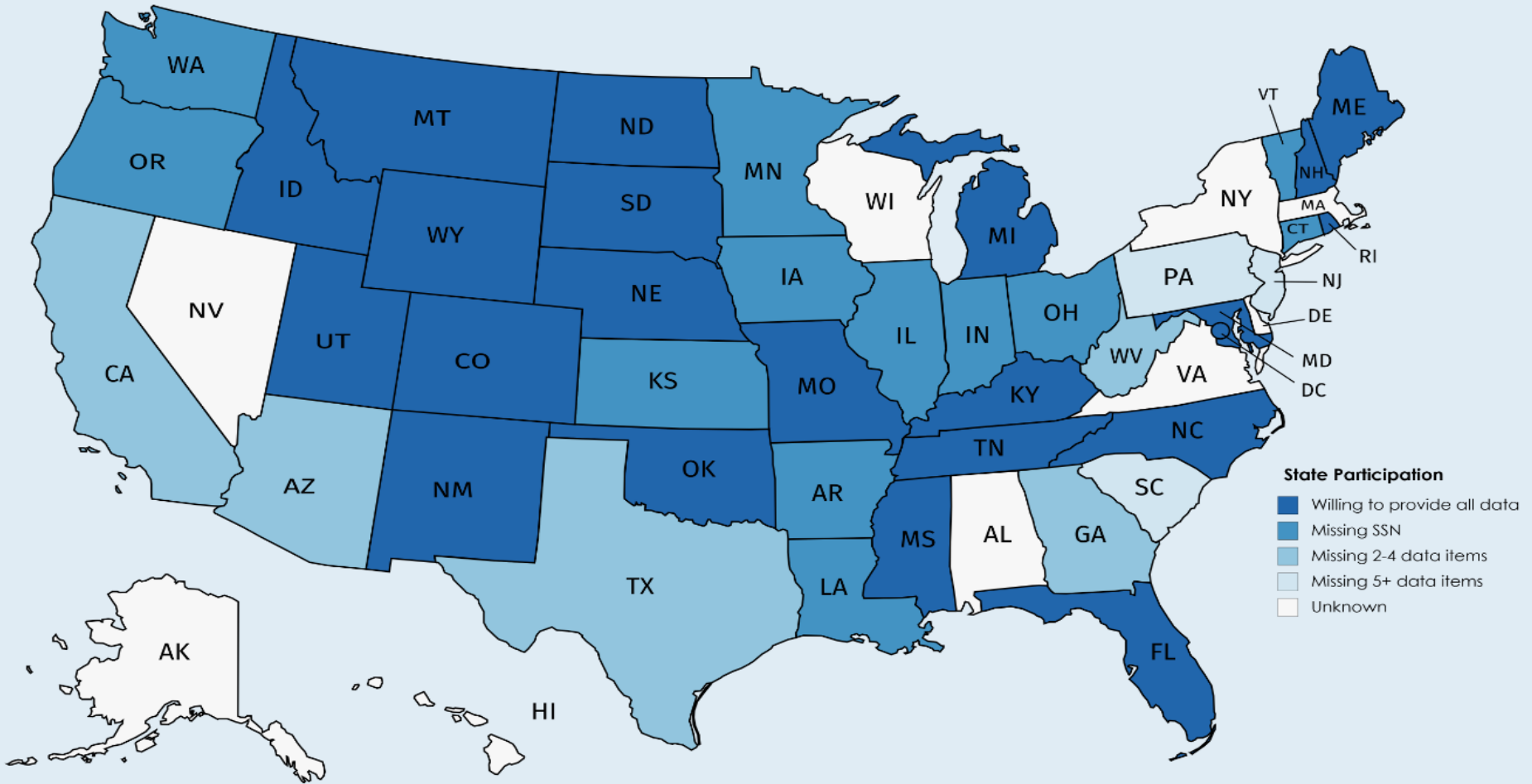
Nurses recently licensed in a state
either through endorsement or
examination

Nurses who have recently had their licenses
reinstated

Data Requested from States

What to include:	Why we need this information:
RN licensure information Indication of Advanced Practice NCSBN ID	Reconcile licensure status reported by the state and RN. Determine for nurses registered in multiple states which state they should be listed.
Name Address Email Telephone number	Contact information
Social Security Number	Identify nurses who may be registered in more than one state under slightly different names.
Date of birth Gender Race Ethnicity NSCBN sample flag	Aid in sampling and file cleaning.

Current State Participation



Frame Data Processing

Receive data from NCSBN and state licensure boards

Match data to administrative records

Supplement missing state frame data

Deduplicate RNs found in multiple states

Eliminate sample overlap with Nursing Workforce Study

Normalize data into a single frame of RNs from all contributing states

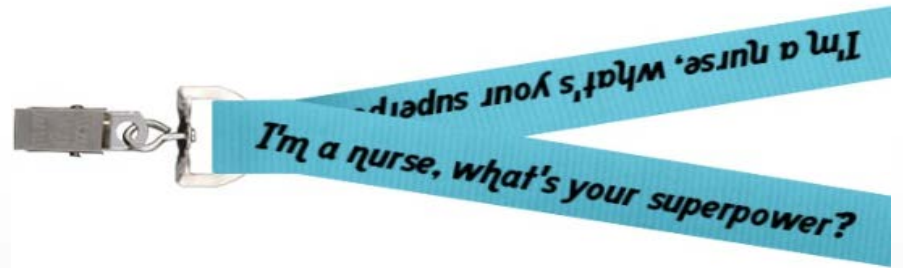
Frame Data Processing

Anticipated sampling hurdles:

- Nurse Licensure Compacts
- High degree of interstate commuting
- Federal facility employment
- Underrepresentation in nursing population:
 - Males
 - Minority groups
 - Recent graduates

Experiments

- Incentive:
 - Subsample of respondents will receive a lanyard and pen
- Materials:
 - Infographics
 - Targeted paper mailings
 - Tabbed postcard reminders
 - Pressure sealed and manila envelopes



Schedule

- Collection: January 2018 – Summer 2018
 - Including up to 7 follow up reminders
- Processing: Through Fall 2018
- Dissemination: Fall - Winter 2018

Thank you

Questions?

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