Sampling Plan

	Ideal	Realistic
Study Design	Cross sectional	Cross sectional
Target Population	RN nurses that work in US hospitals in 2018 (50 states + District of Columbia)	RN nurses that work in US hospitals in 2018 (50 states + District of Columbia)
Sampling Plan		
Coverage Error		
Sampling Scheme		
Sampling Error		
Timing of Administration		
Mode of Administration	Electronic survey	Electronic Survey

- Four Strata (H=4) - **Aside** – have considered just two strata – States w. something vs. states w. nothing
    - States that require hospitals to have staffing committees (N_h=8)
        - CT
        - IL
        - NV
        - OH
        - OR
        - TX
        - WA
        - MN?
    - State mandated laws (N_h = 2)
        - CA
        - MA?
    - States that require some disclosure (N_h = 4)
        - ~~IL~~ -I just kept them to prior group
        - NJ
        - NY
        - VT
    - Nothing (N_h =37)

- Two ideas for "recruiting" people after stratification
    - **Number of Hospitals Idea**
        - For each stratum get the number of hospitals for each state. Use proportionate allocation to determine the sample size per stratum (n_h). After selecting the n_h use SRS or systematic sampling to select the hospitals you will use in the stratum sample (your study). After selecting hospitals – go to HR department – if possible - get a list of all nurses in the hospital and administer the surveys to them (want nurses from all units)

- Question – do we have to sample the nurses we interview or because we picked the hospitals we are okay?
  - **Number of Registered Nurses Idea**
    - For each stratum get a list of RNs in each state, we can get this from publicly available data from NURSYs in partnership with the National Nursing Database. The caveat is that they don't classify nurses by if they work in a hospital or other areas of care
      - To rectify this I can add in a question, such as: Do you work in a hospital? – If answered no then the survey is over.
    - From this list of RNs then we can use proportionate allocation to determine the sample size per stratum (n_h). After determining the n_h use SRS or systematic sampling to select the nurses you will interview
    - You can administer the surveys via email – this is more efficient, but people may not answer
      - Or you can administer when they are at work….