

**Title: Linking NCS Data to Municipal- & State-Level Immunization Information Systems: Descriptions of IISs, Availability and Data Architecture**

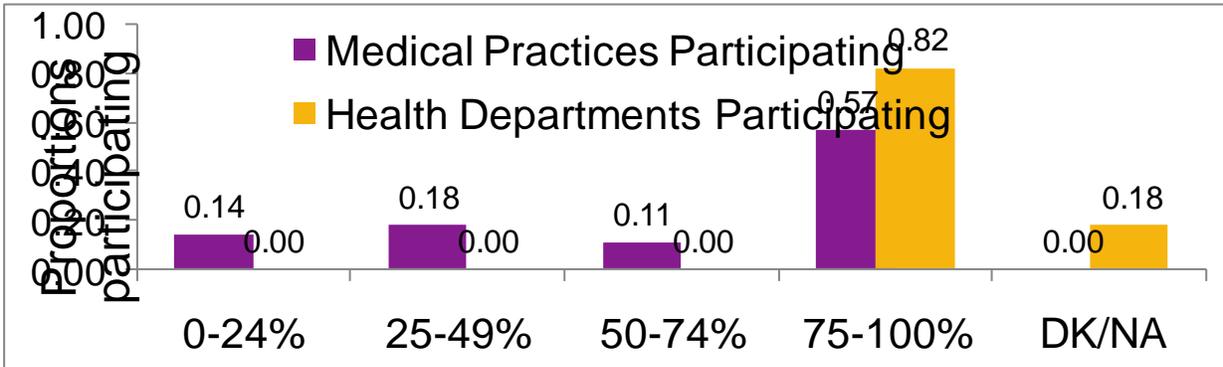
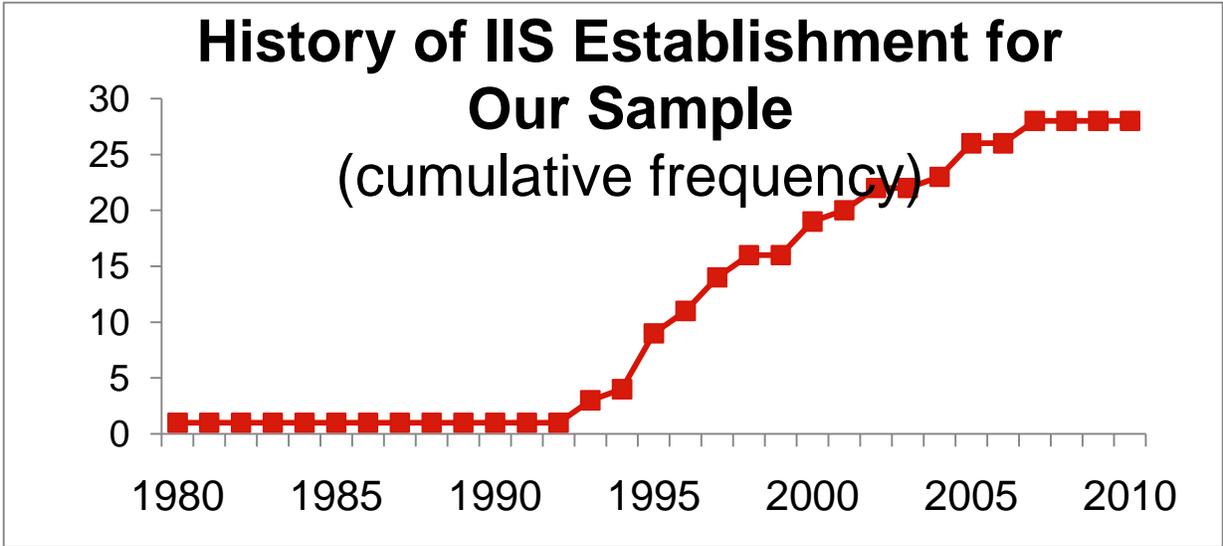
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**Research Description:**

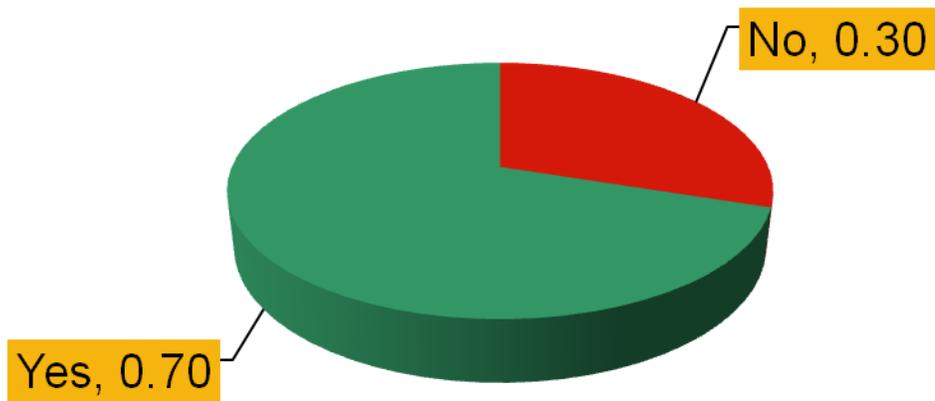
***Introduction*** -- We investigated the condition of Immunization Information System (IIS) features, relationships, data availability and architecture in states and municipalities with NCS Vanguard locations. In ongoing evaluations, not presented here, we are also exploring linking existing NCS data with IIS data for Study mothers and children to determine feasibility, acceptability and cost.

***Methods*** -- We developed a telephone questionnaire for gathering information from state and municipal agents about their respective IISs. Topics included IIS parameters, relationships with health care providers, availability of IIS data for research purposes, and data architecture. Each of the three collaborating Study Centers contacted IIS agents. IISs contacted were ones that covered NCS Vanguard locations. The final sample size is 28, which includes data provided by 24 IIS agents for registries covering most Vanguard locations and by 3 Study Center investigators about the 4 IISs in the states covering our home state’s Vanguard locations.

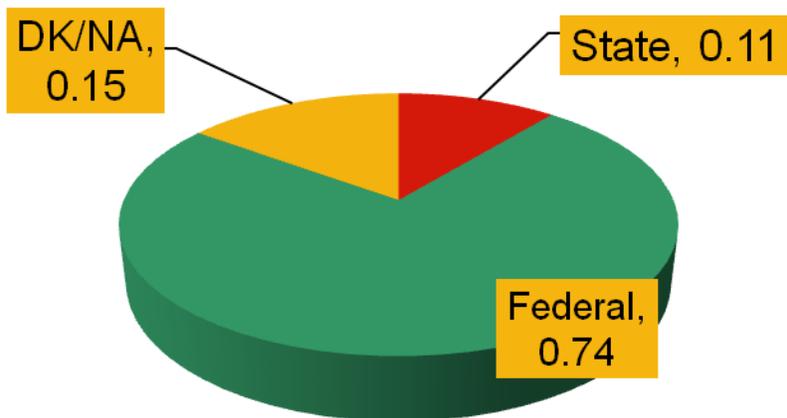
***Results/Conclusions*** -- Facilitators of linkages between IIS data and the NCS were the extensive coverage of NCS areas with experienced IIS systems, significant federal support for IISs, a high level of coverage for pediatric immunizations in IISs and fairly consistent data architecture among existing systems. Barriers to feasibility of the NCS linking to IIS data include: coverage inadequacy in settings where not all healthcare providers participate, some prohibitions against sharing identified data with researchers, potential technological barrier if not all IISs can work with Electronic Medical Records, and potential costs for data acquisition.



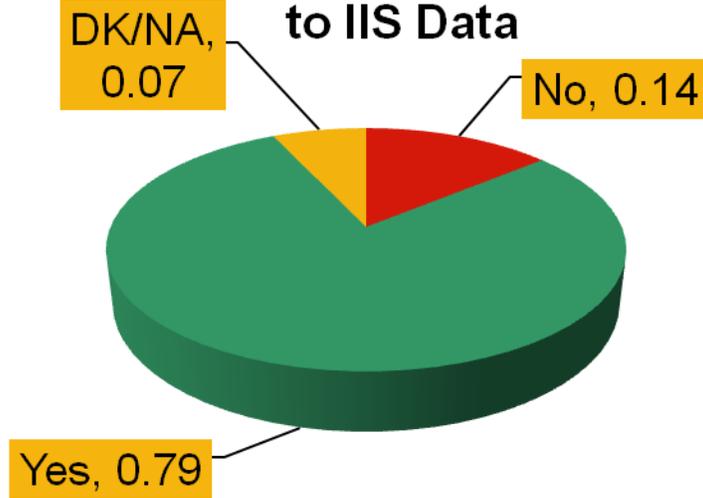
## Capability to Work with EMR



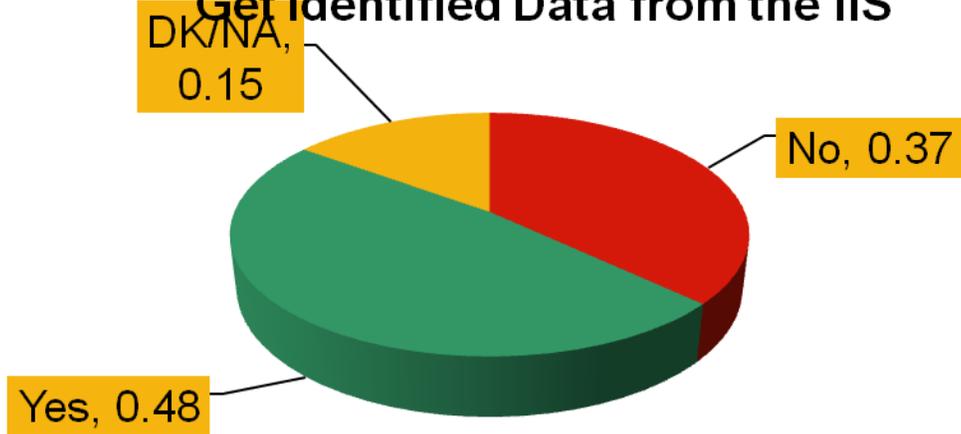
## Primary Funding Source for IIS



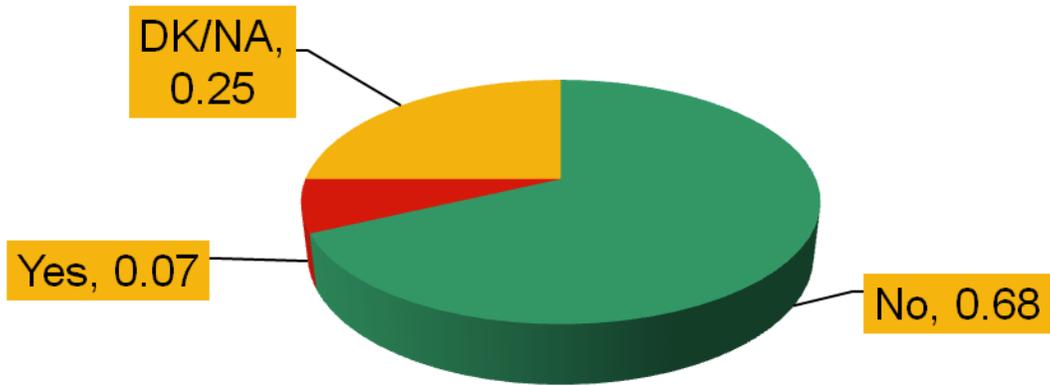
### Possibility for Researchers to Get Access to IIS Data



### Possibility for Researchers to Get Identified Data from the IIS



### Whether Researchers Must Pay a Fee to Get IIS Data



### Whether IIS Allows Individuals to Opt-out

