

Assessment of Local Health Department use of Immunization Information Systems

Lisa McKeown, MPH

Background and Objective

- NACCHO, with funding and support from the CDC, conducted an assessment to identify and explore local health department (LHD) use of Immunization Information Systems (IISs), also known as immunization registries.
- The purpose of the assessment was to collect information to support and promote the role of IISs within LHD immunization programs.

Survey Sample

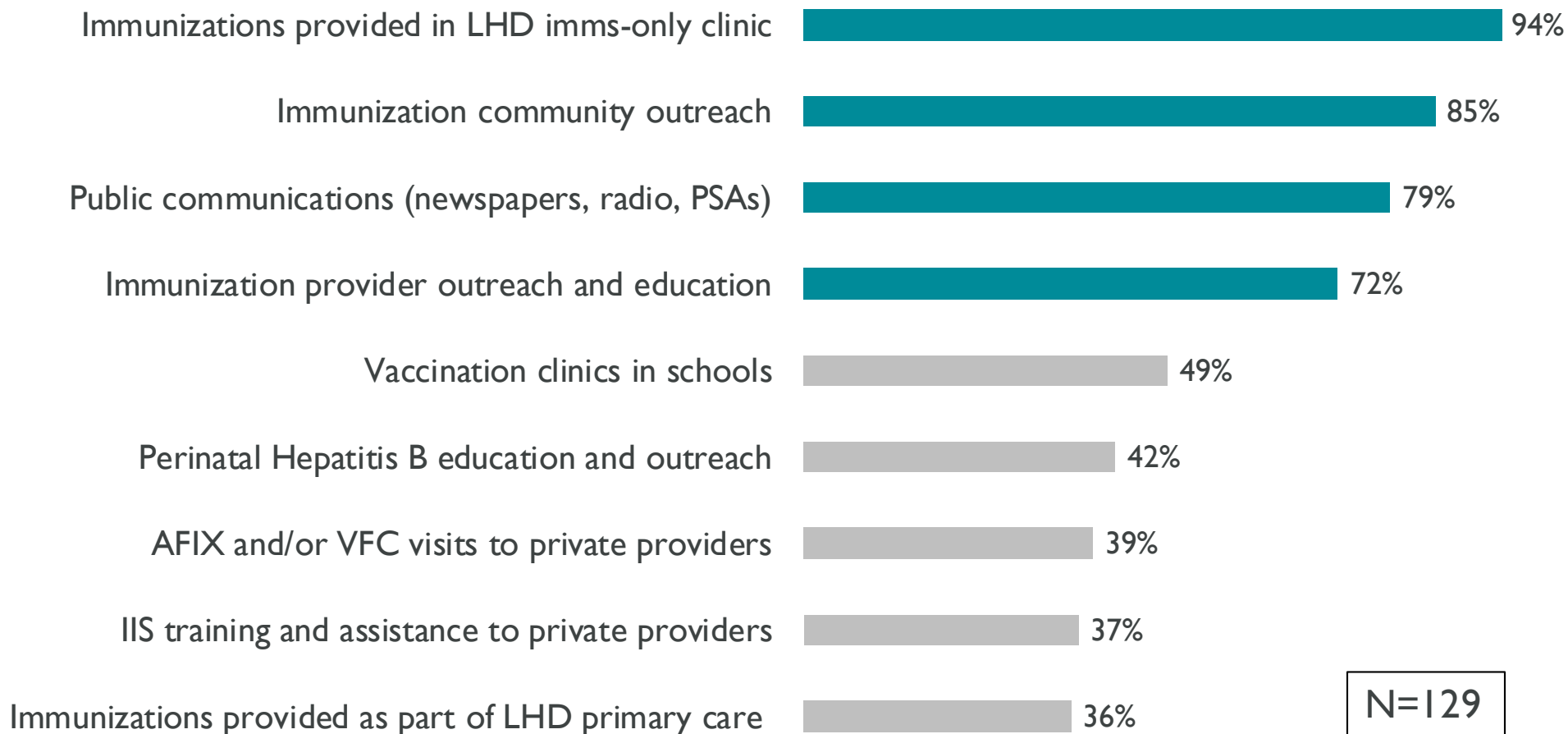
- The survey was piloted with NACCHO workgroup members. LHDs that participated in the pilot were excluded from the sample.
- A sample of 300 LHDs were selected based on self-reported IIS use in the 2013 NACCHO Profile Survey* and jurisdiction population size.

Population size	Use an IIS		
	Yes	No	IIS status not reported
<50,000	74	23	29
50,000-499,999	65	22	20
500,000+	44	12	11
Total	183	57	60

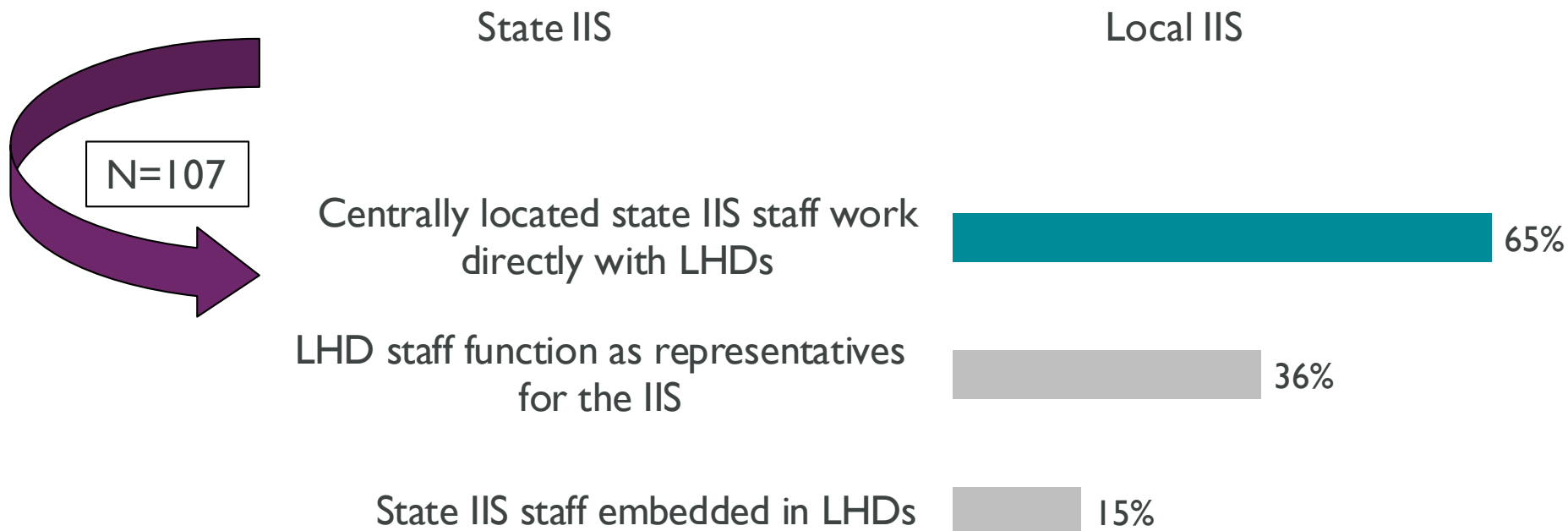
Survey Methods

- 129/300 LHDs (40%) completed the survey.
- Surveys were distributed via email to the designated primary contact of LHDs within the survey sample.
- Survey fielded: October 8-November 4, 2015.
- Participants received 2 reminder emails and 1 reminder call to complete the survey.
- Data analysis was completed in STATA.

Immunization Activities Conducted by LHDs

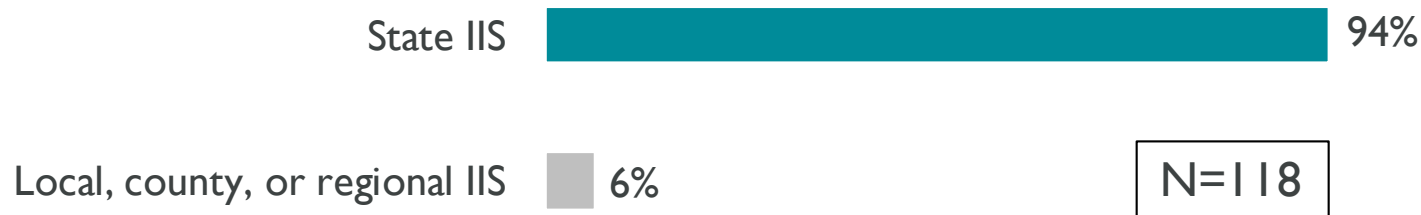


IIS Management and Staff

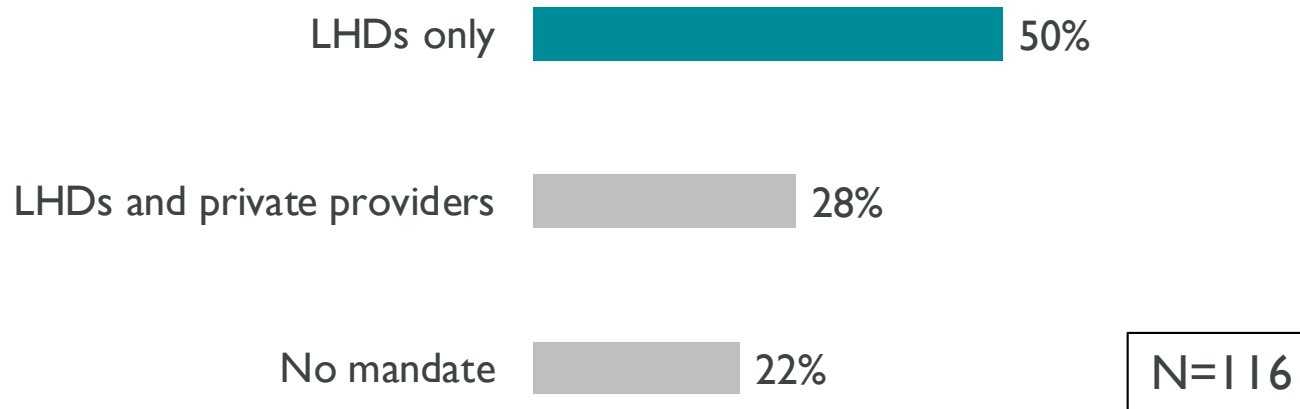


IIS Reporting and Mandates by LHDs

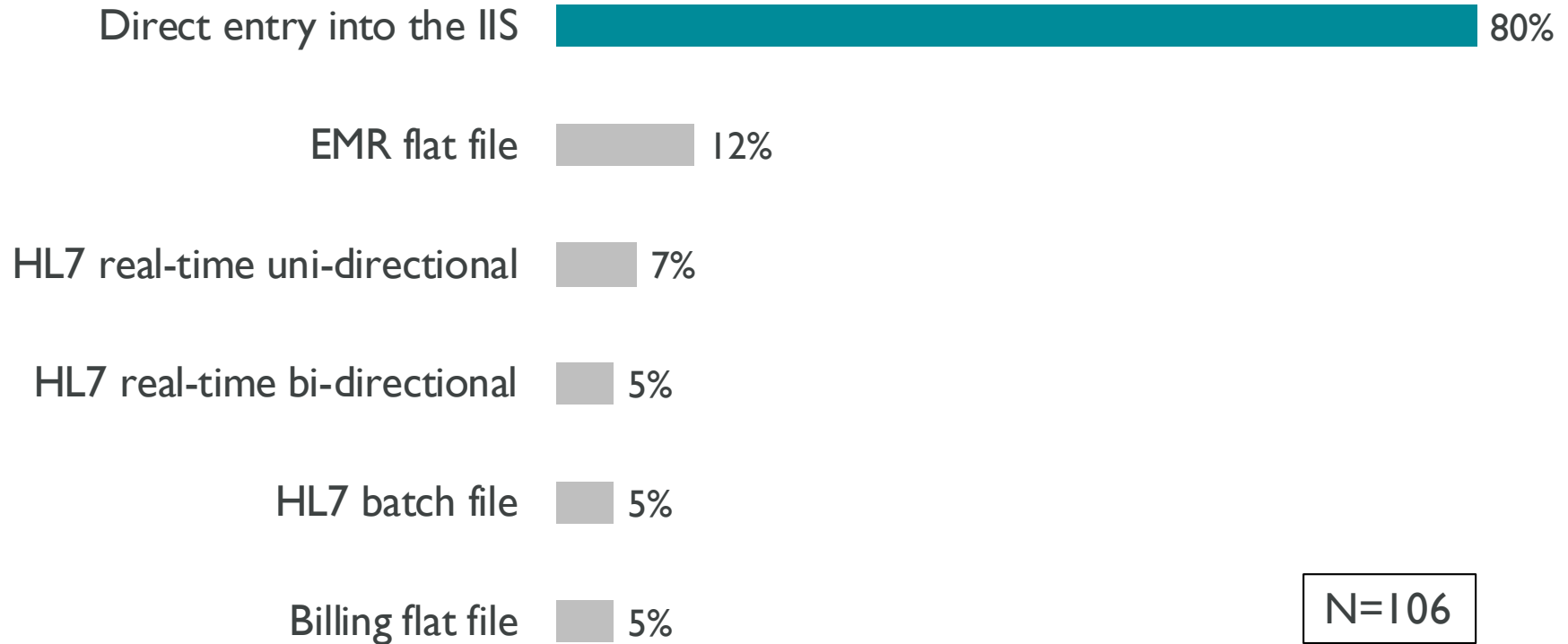
Most LHDs report to a State IIS



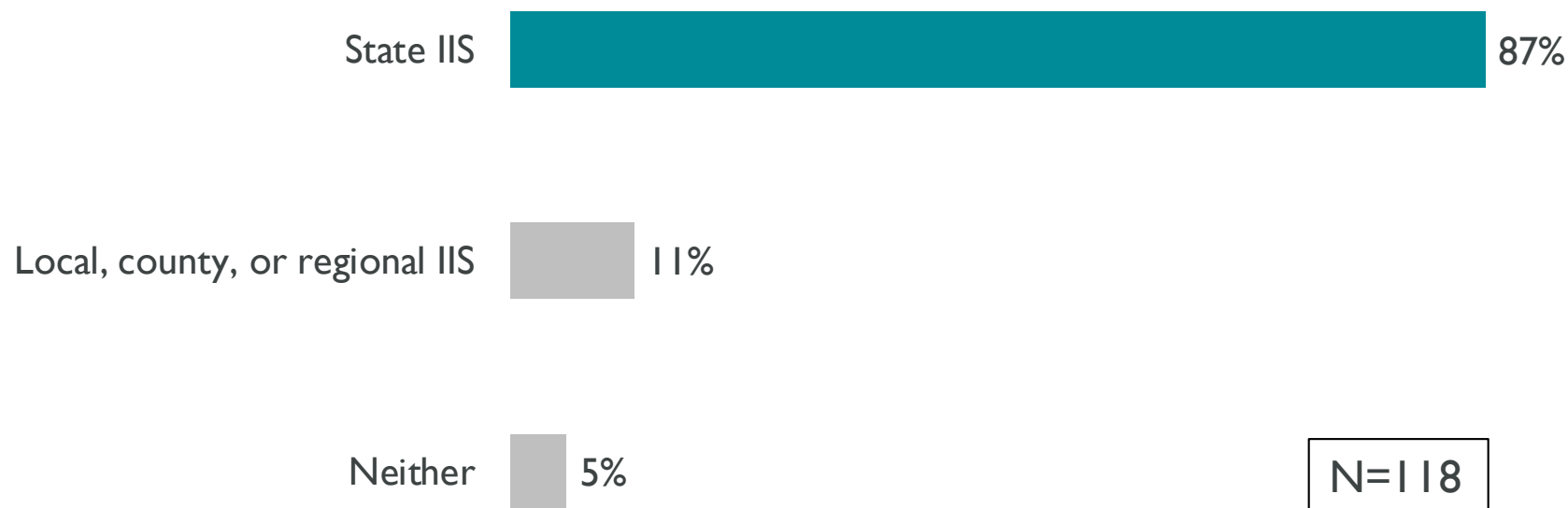
Reporting is often mandated by legislation within the jurisdiction/ state



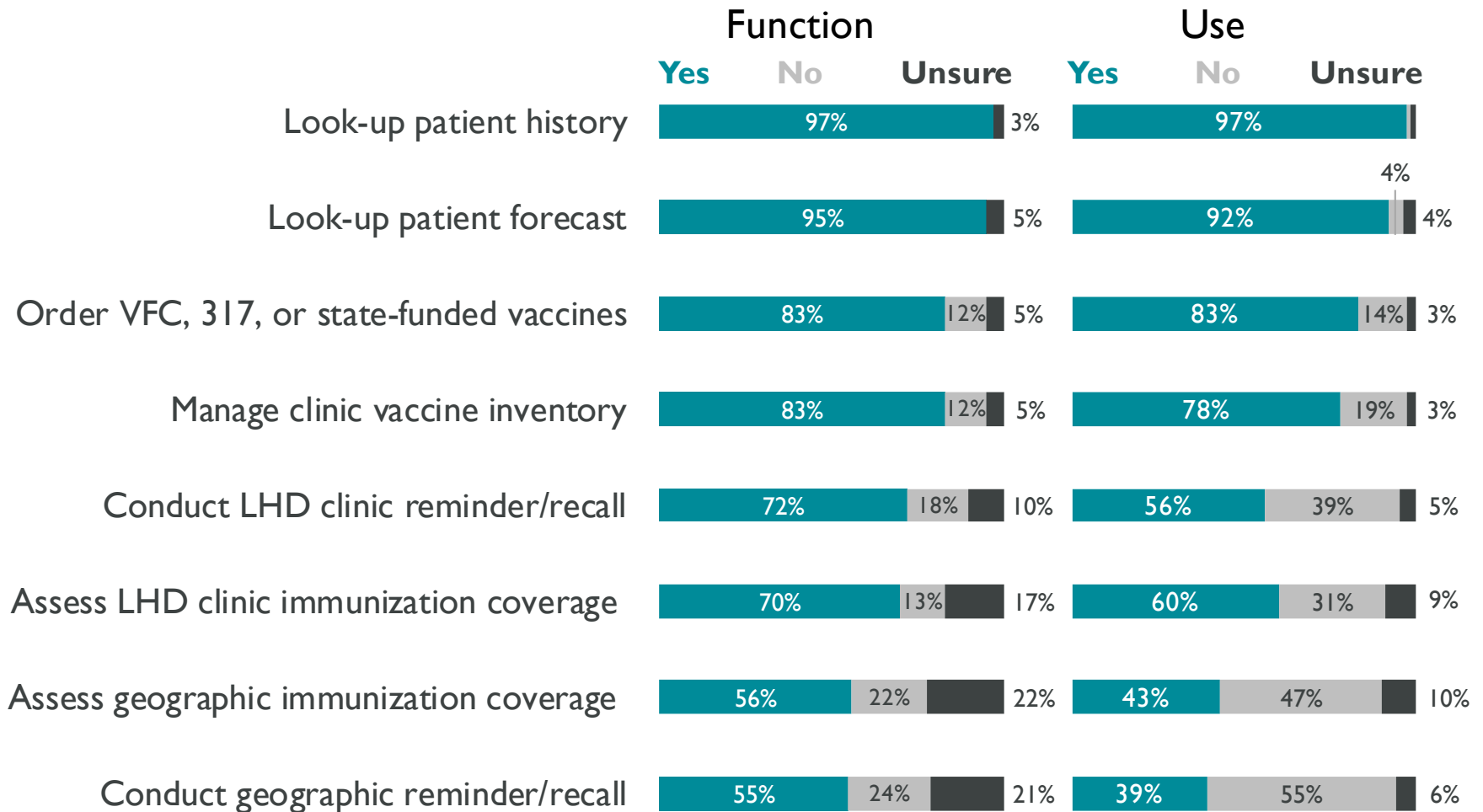
Method of IIS Data Reporting



Use of IIS in Programmatic or Clinical Functions



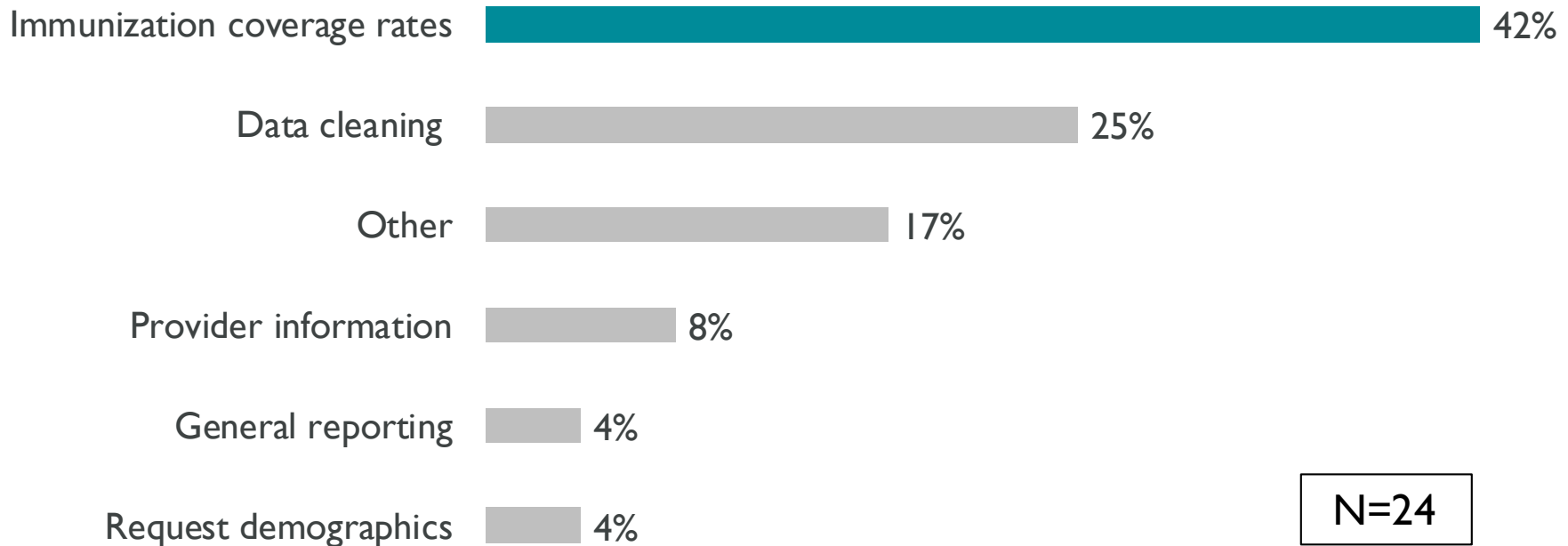
IIS Functions and Use by LHDs



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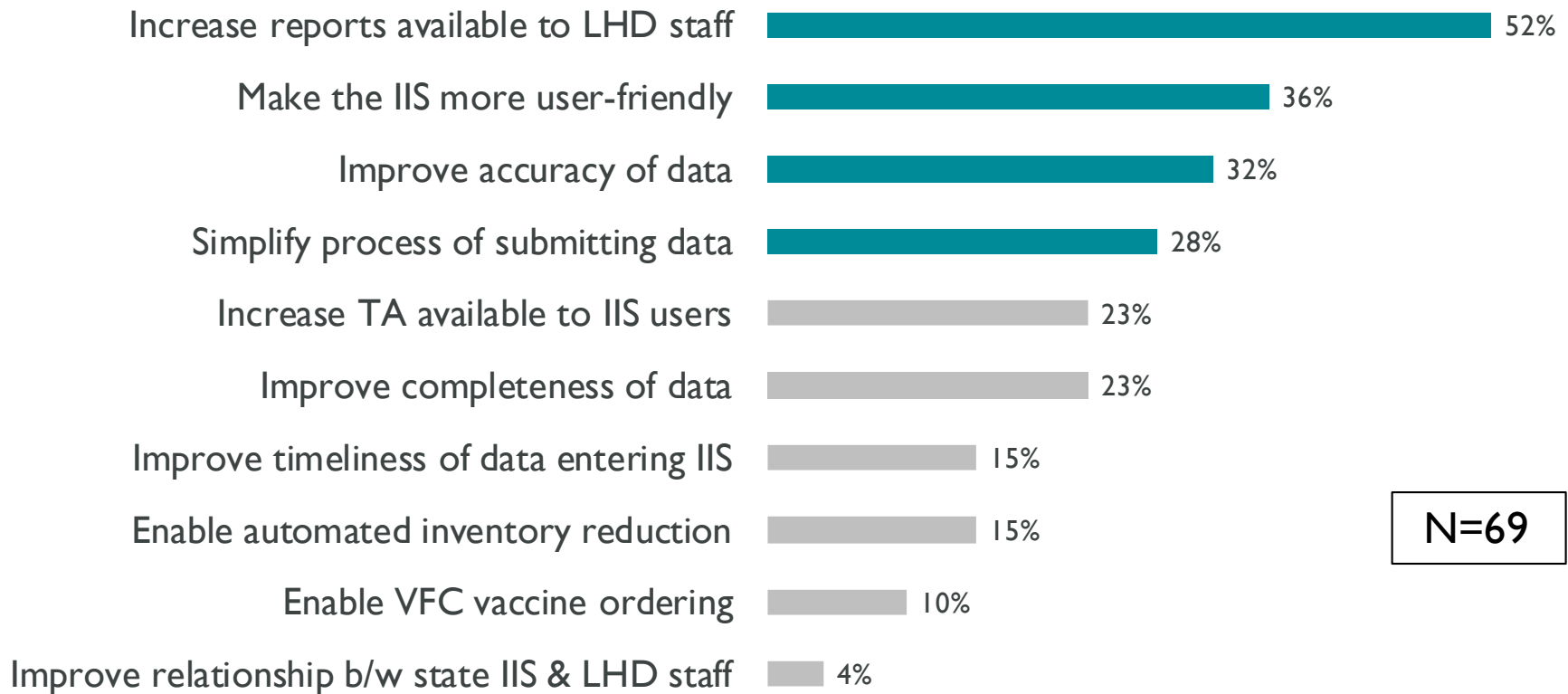
Special Data Requests by LHDs

- Only 22% of LHDs made special data requests for IIS data in the past 6 months.
- Data requests:



The Wish List: IIS Improvements

- 60% of LHDs indicated improvements could be made to the IIS.



Key Points from Open Responses

- Many LHDs find their IIS useful.
- While most LHDs use state IISs, many have duplicative “registry” systems within their LHD.
- Increasing provider reporting to IISs is a priority.
- Data quality/available functions vary widely between systems.
 - Report functionality and usability (coverage rate assessments, doses administered, reminder/recall) are important features.

Key Points from Open Responses

- Duplication/data cleaning remains an issue.
- Data sharing and bi-directional flow of information is important to LHDs→ improve IIS compatibility with EHRs.
- LHDs want access to high-quality, timely data to help inform their programmatic work.
- Facilitating school use of IIS and capitalizing on immunization data from schools is important.

Next Steps

- Dissemination of results
- Continuation of member engagement through NACCHO immunization workgroup
- Promotion of benefits of IIS to LHDs

Questions?

Lisa McKeown, MPH

LMcKeown@naccho.org

Kate Drezner, MPH

Kdrezner@naccho.org