

FINAL PROJECT

PART I

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PROJECT IDEA

- Using NACCHO 2013 National Profile of Local Health Departments
 - Idea 1:
 - Problem: Determine the association between technology capacity and accreditation readiness among US local health departments. Using the cross-sectional secondary data from the NACCHO 2013 National profile of Local health departments and accreditation readiness criteria as specified by PHAB (Public Health Accreditation Board). PHAB prerequisites are completion of a community health assessment (CHA), community health improvement plan(CHIP), and agency-wide strategic plan (SP) within the past five years.
 - We will test if reported technology capacity such as IT area (EHR, HIE, eRegistry, Disease Reporting system, eLab Reporting systems), communication channels (social media, mobile, email marketing usage), and mobile technology tools (smartphones, tables, other) are associated with accreditation readiness (i.e. have completed the PHAB prerequisites.
 - Possible Idea 2:
 - Determine what other factors may be associated with accreditation readiness
 - Hypothesis
 - LHDs are less likely to meet PHAB accreditation readiness criteria when there is a lower level of technology capacity within a LHD.

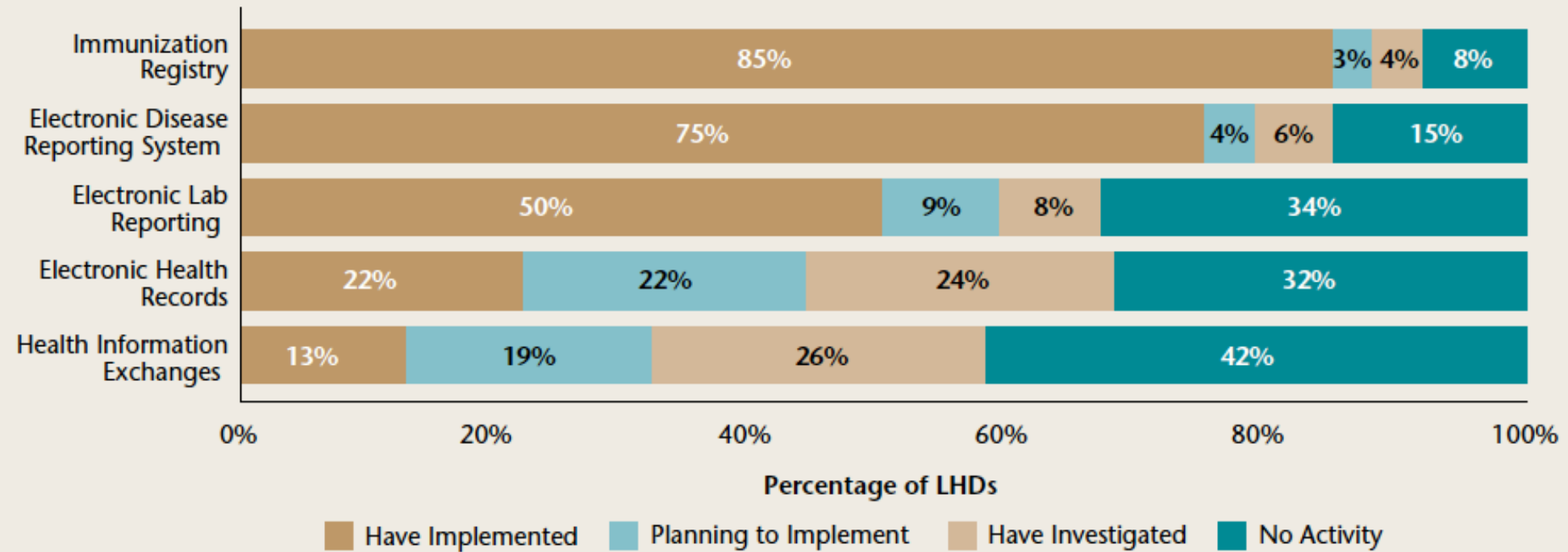
Questionnaire Design

FIGURE 1.1 Questionnaire Topics 2013 Profile Study

Core (Core Only Response Rate = 78%)	Module 1 (Core + Module 1 Response Rate = 79%)	Module 2 (Core + Module 2 Response Rate = 82%)
Jurisdiction & Governance	Quality Improvement	Emergency Preparedness
Funding	Accreditation	Public Health Informatics
LHD Top Executive	Cross-Jurisdictional Sharing of Services	Access to Healthcare Services
Workforce	Human Resources Issues	Health Disparities
Activities	Partnerships and Collaboration	
Community Health Assessment and Planning	Practice-Based Research	
Guide to Community Preventive Services	Health Impact Assessments	
Policy-Making and Advocacy	County Health Rankings Report	
	Public Health Institute	
	Evaluation of Profile	

Information Technology Systems

FIGURE 10.1 LHD Level of Activity in Information Technology Areas

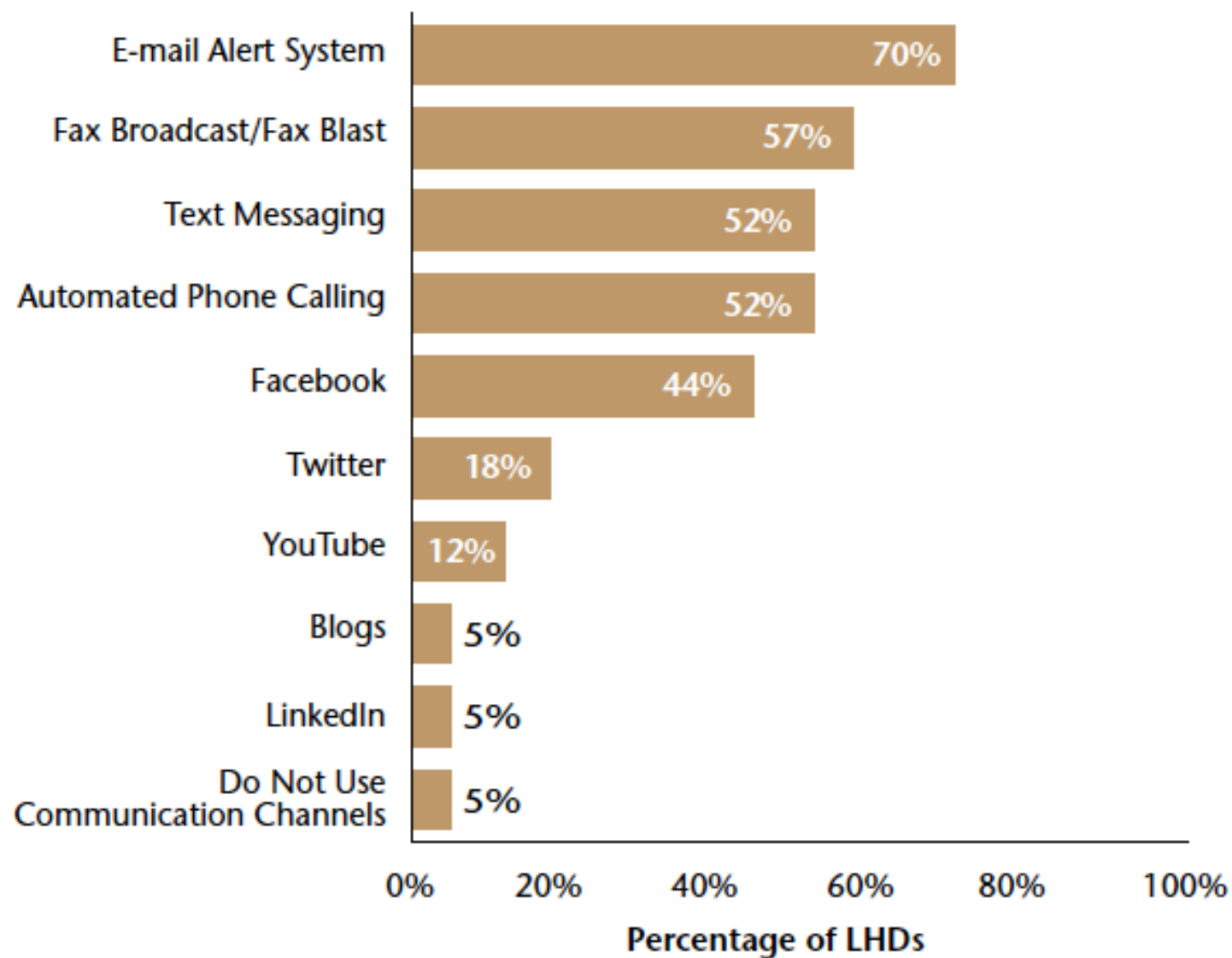


n=469

Note: Due to rounding, percentages do not add to 100 percent.

Communication Channels

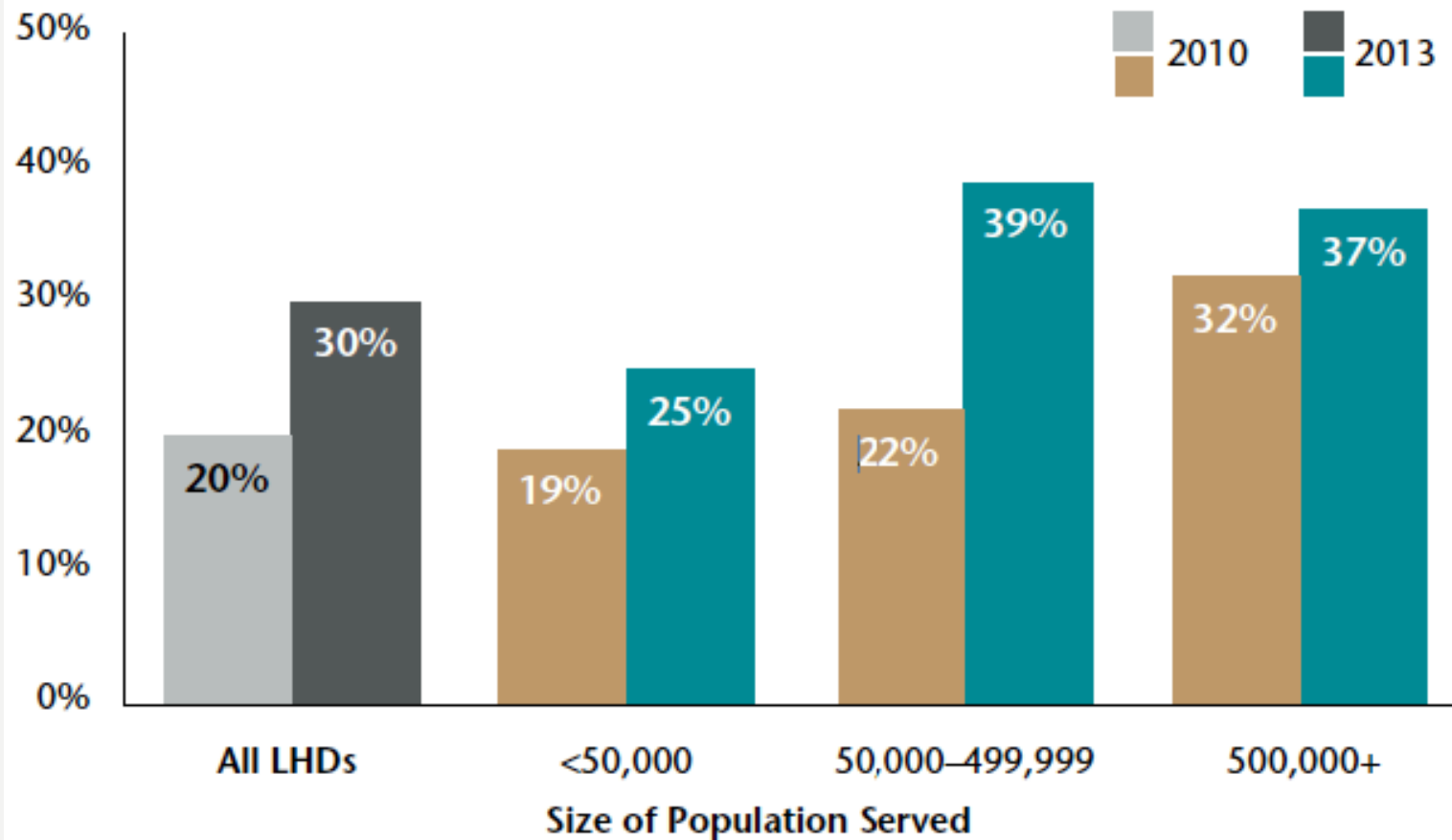
FIGURE 10.4 LHD Use of Communication Channels



n=475

LHD Accreditation by Public Health Accreditation Board

FIGURE 8.3 LHDs that Completed Three PHAB Prerequisites
(by Profile Study Year and Population Served)*



n(2010)=519

n(2013)=1,939

*PHAB prerequisites are completion of a community health assessment (CHA), community health improvement plan (CHIP), and agency-wide strategic plan (SP) within the past five years.

- The Data
 - National Survey data from 2013, self-reported by LHDs
- Analysis
 - Basic descriptive statistics on technology and accreditation related variables
 - Correlation matrix
- Challenges
 - Multiple variables to analyze
 - Missing data