

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, tablets, 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
 - I'm open to suggestion 😊
 - Hypothesis
 - LHDs are less likely to meet PHAB accreditation readiness criteria when there is a lower level of technology capacity within a LHD.

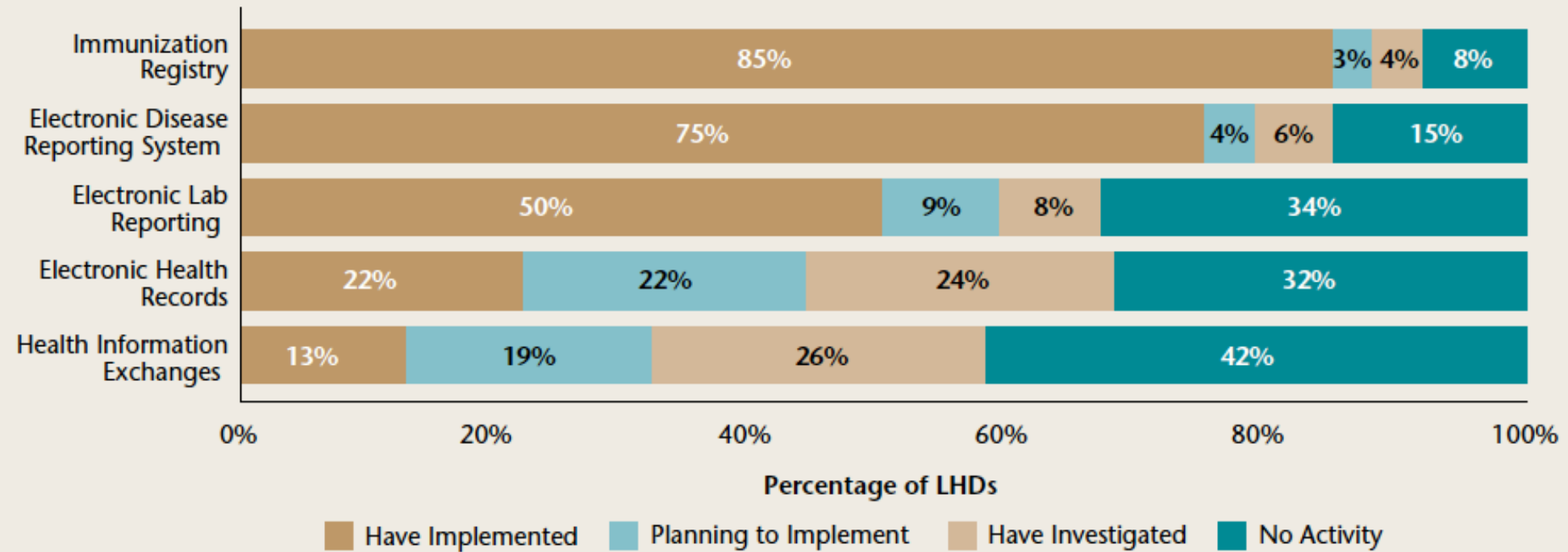
Questionnaire Design

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

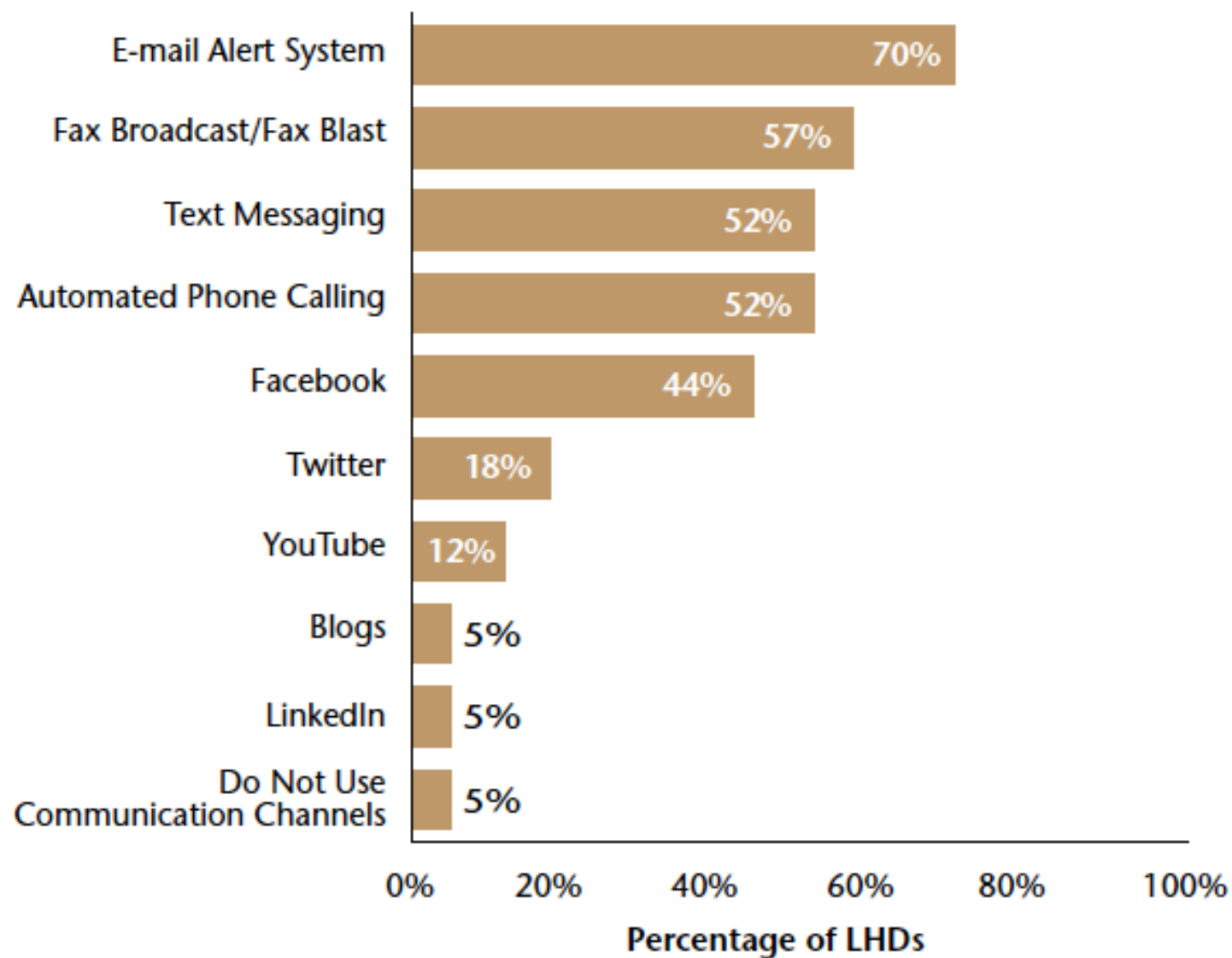


n=469

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

Communication Channels

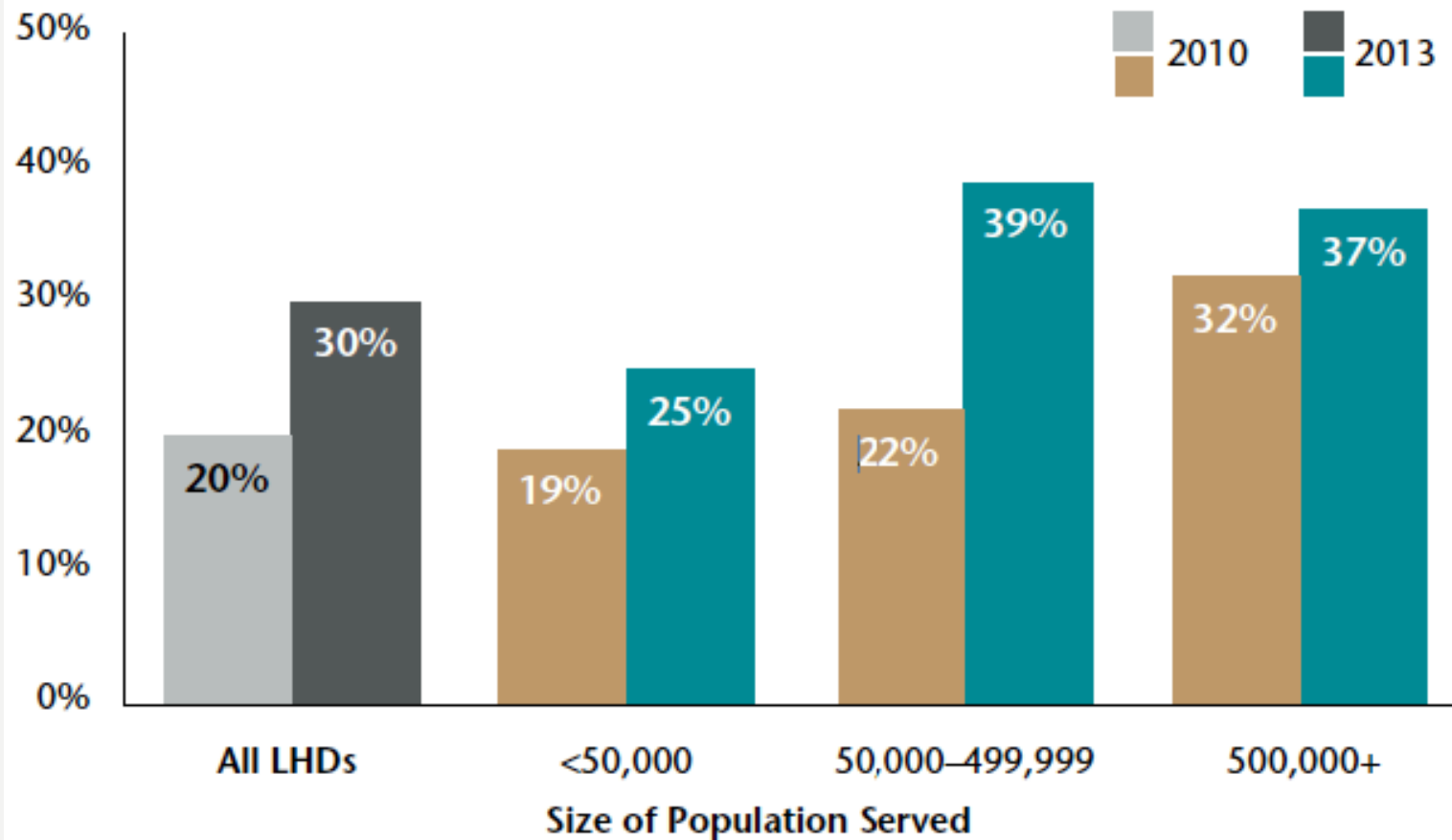
FIGURE 10.4 LHD Use of Communication Channels



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