Injury Prevention Delivery Systems: The role of public health and primary care in reducing injury-related infant mortality among vulnerable populations



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Background

- Unintentional injuries are a major public health problem in the United States (US)
- Unintentional injury is the 5th leading cause of infant mortality in the US.
- The US unintentional injuries mortality rate for infants was 3.1 per 1,000 live births in 2010.
- The most common cause of injuryrelated infant mortality include suffocation, motor vehicle crashes, · Network analysis density and drowning, fire/burns, and poisoning.
- By working together and creating an integrated delivery system, public health and primary care (PHPC), that leverages their strengths, these agencies can conserve resources by reducing duplication and sharing expenses, fostering cooperation between diverse sectors of society, and achieving the capacity to deliver superior services to care for our communities and the nation.

Research Objective

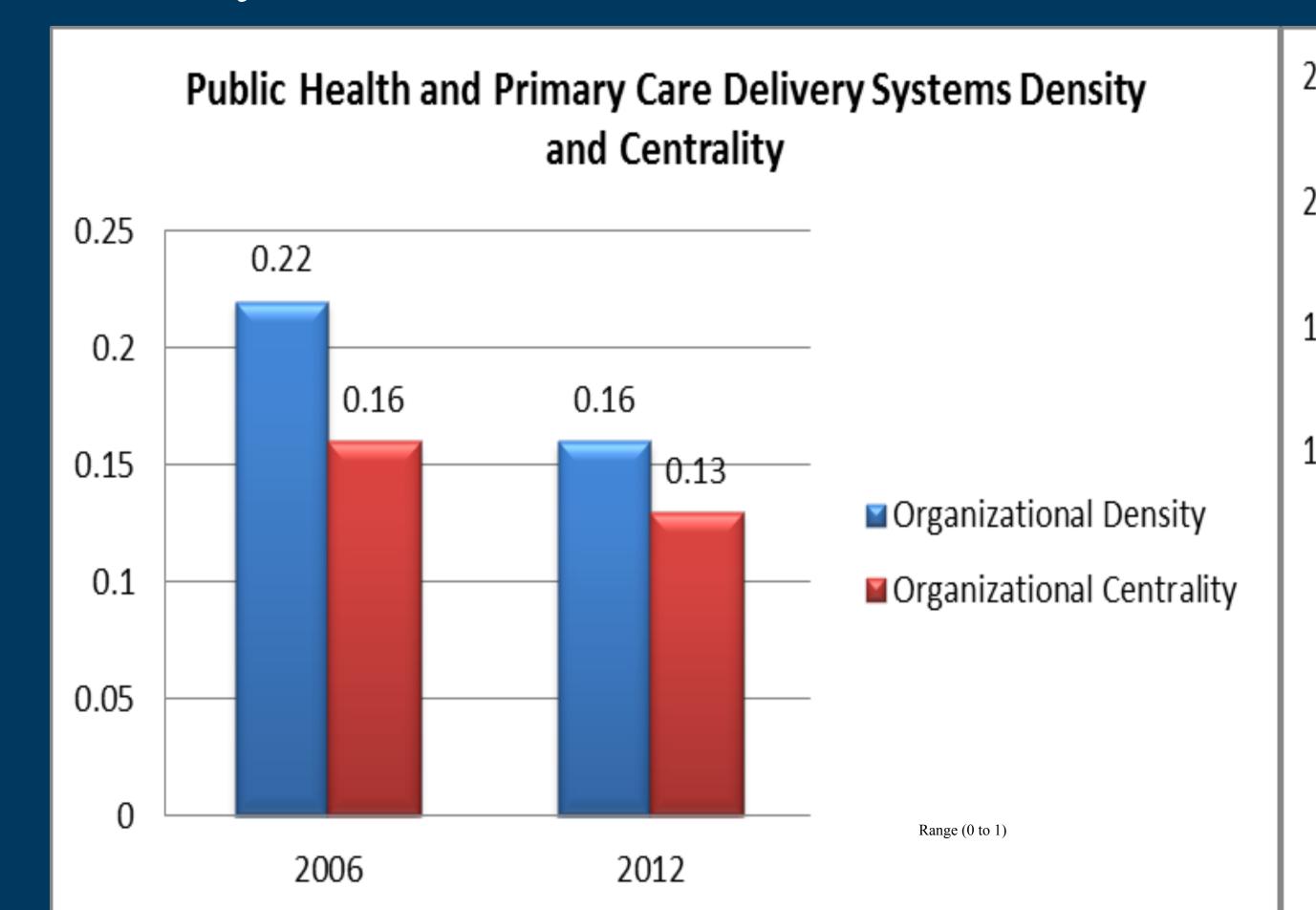
- association of the • To examine the density and centralization of PHPC systems and injury-related infant Conclusions mortality.
- To examine the variation in density and centralization of the PHPC delivery systems.

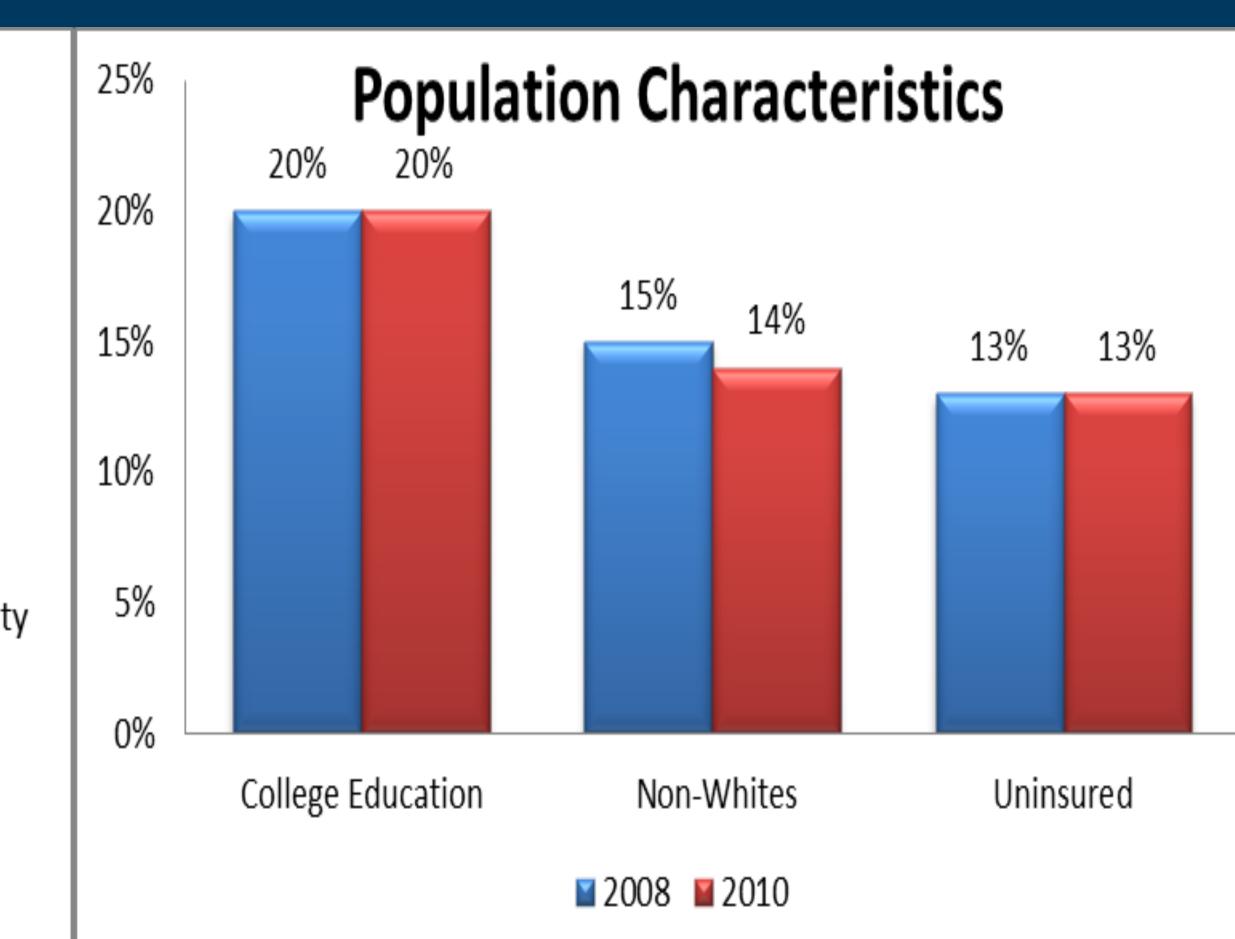
Data and Methods

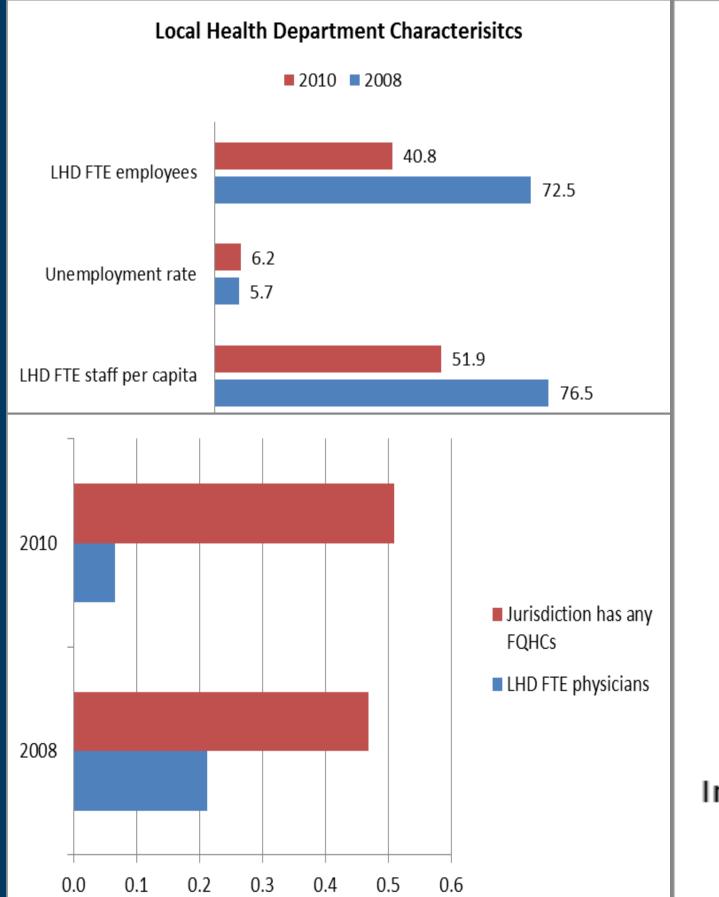
- 2012 National Longitudinal Study of Public Health Agencies and 2008 and 2010 National Profile Study linked with contemporaneous information on the population demographics, socioeconomic characteristics and health resources.
- centrality measures were constructed and descriptive analysis were used to examine variation in PHPC delivery systems and injury related infant mortality.

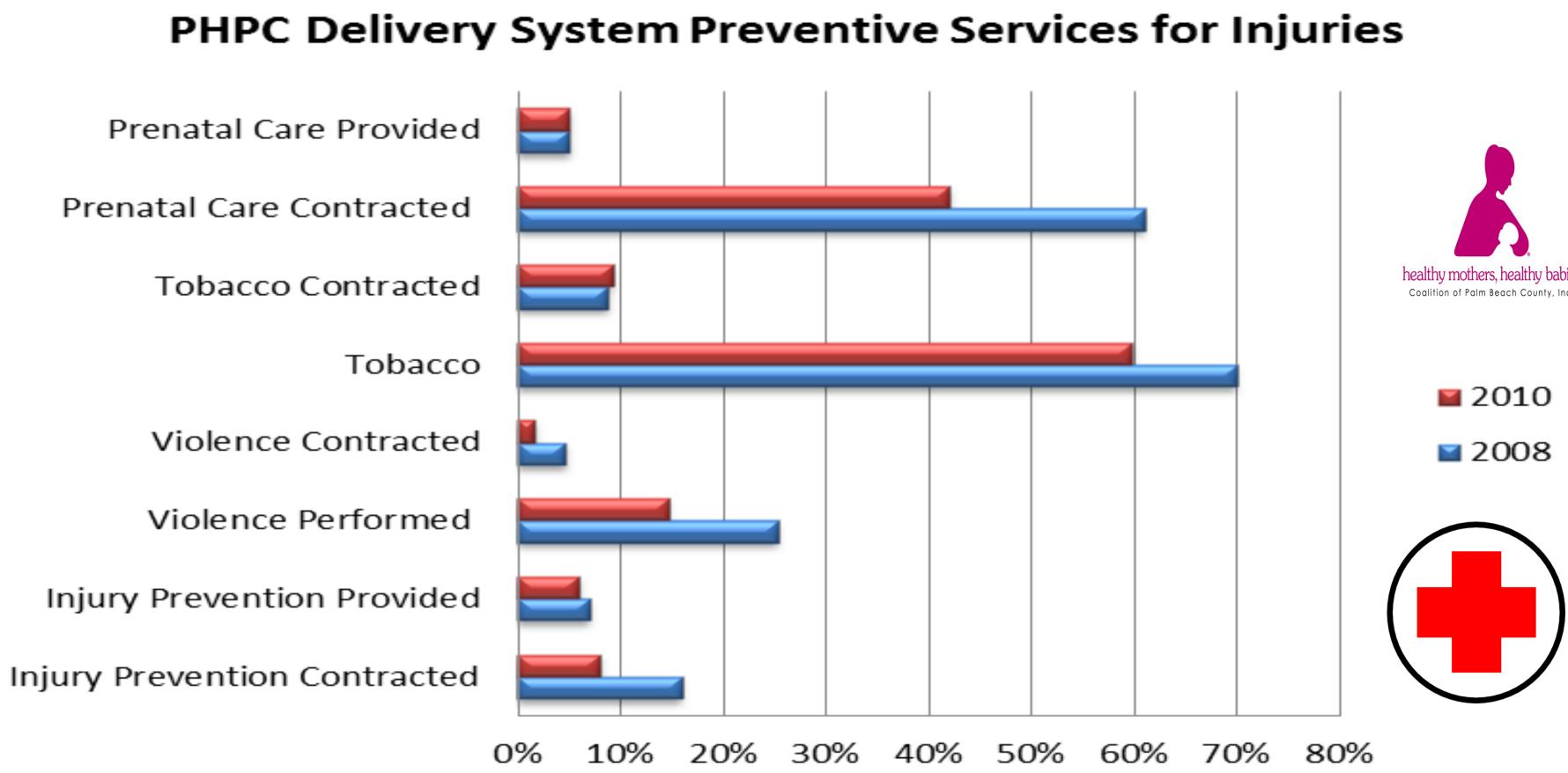
Preliminary Results

•We used data from the 2006 and • Public health and primary care delivery systems are the wide array of state and local public health agencies, community health clinics, hospitals, and physician agencies that collaborate to address public health problems such as injury-related infant mortality.









- LHDs provide a limit number of prenatal and injury prevention services. These findings highlight the importance of working together with other agencies to reduce the injury-related infant mortality rate.
- Prevention programs that take into account the vulnerability of children and use a multidisciplinary approach have been shown to be the most effective for reducing child mortality as a result of injury.