

Periodic Review Assessment in the Communities Surrounding the Inglewood Oil Field

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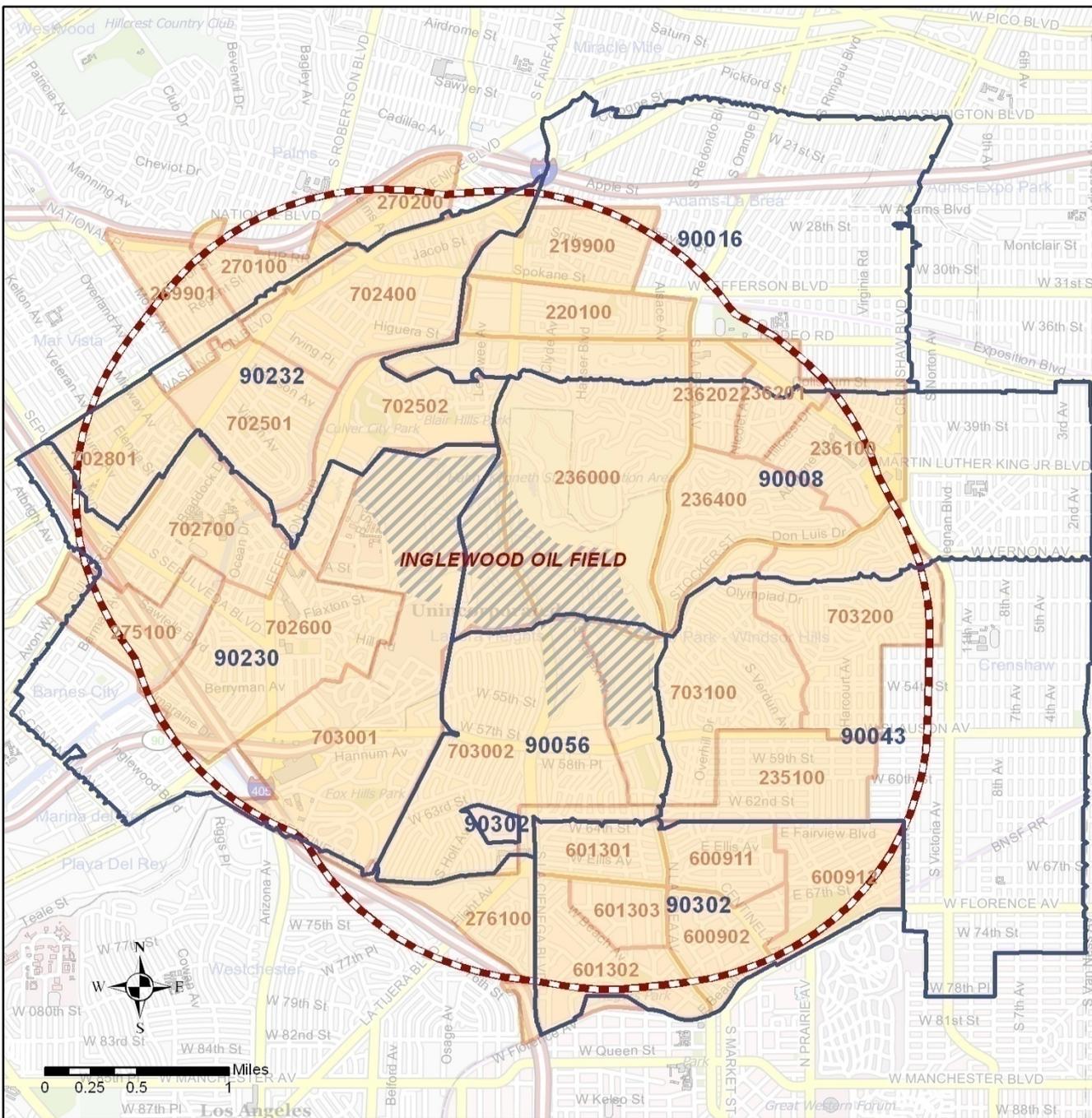


Background

- LA County Board of Supervisors requested community health assessment
- Phase 1: April 2011
 - Mortality (LA County Public Health)
 - Low-birth-weight births (LA County Public Health)
 - Birth defects (CA Birth Defects Monitoring Program)
 - Cancer incidence (USC Cancer Surveillance Program)
- Phase 2: April 2012
 - Community survey (LA County Public Health), postponed to allow better assessment of the effects of drilling on residents

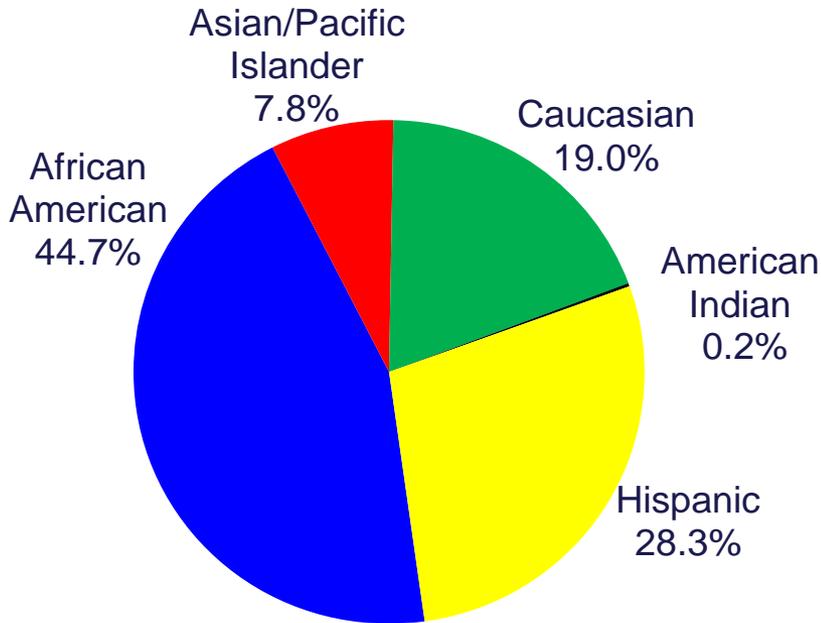


Census Tracts & Zip Codes Near the Inglewood Oil Field

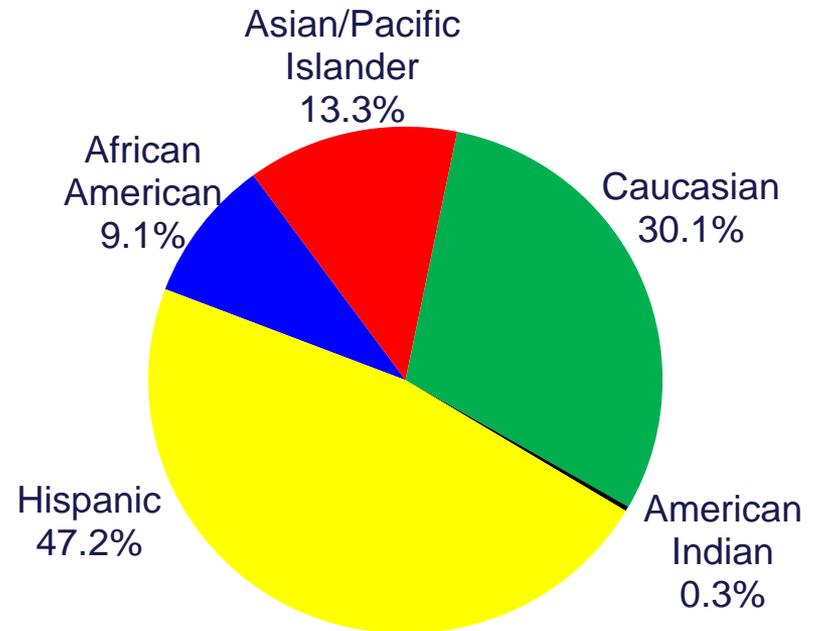


Race/Ethnicity of the Populations

Inglewood Oil Field Communities



Los Angeles County



Methods

- Mortality

- Compared rates for census tracts surrounding the oil field to LA County for overall mortality, top ten leading causes of death and premature death, plus asthma
- Death certificate data from 2000-2007, adjusted for race/ethnicity

- Low Birth Weight Births

- Compared rates of low-birth-weight births for census tracts surrounding the oil field to LA County
- Low birth weight defined as < 5.5 lbs (2500 g)
- Birth certificate data from 2000-2007, adjusted for race/ethnicity



Methods

- Birth Defects

- California Birth Defects Monitoring Program analyzed all birth defects occurring 1990-2002

- Cancer Incidence

- USC Cancer Surveillance Program analyzed 5 blood-related cancers (Some blood-related cancers have been linked to petroleum products)
- Analysis by race/ethnicity to examine potential disparities
- Time period divided into 1972-1999 and 2000-2005 to explore most recent trends



Methods

- Community Survey
 - Compared responses to LA County Health Survey (LACHS)
 - Telephone interview of 1,020 adults living near IOF
 - Survey conducted in English and Spanish
 - Snapshot of current health conditions and quality of life concerns identified in the health working group
 - Health conditions (asthma, respiratory illness, etc.)
 - Odors, noise, traffic, etc.



Limitations to These Analyses

- Cannot confirm whether oil drilling activities are associated with these health outcomes
- Do not take into account important determinants of health such as:
 - Behavioral risk factors (smoking, physical activity, etc.)
 - Social factors (education, income, access to care, etc.)
 - Environmental exposures (traffic-related pollution, etc.)
- Cannot establish causal relationships between emissions and specific health outcomes



Future Plans

- During periodic review consider analyzing health data that has been collected
- Respond to noise complaints concerning oil field operations
- Air emissions monitoring and odor complaints (AQMD)
- Air Quality Monitoring Study (consulting group)



Resources

Toxics Epidemiology Program

<http://publichealth.lacounty.gov/eh/TEA>

(213) 738-3220

LA County Department of Regional Planning

Baldwin Hills Community Standards District

Documents / Reports

<http://planning.lacounty.gov/baldwinhills/documents>

