

Surveillance of Workers' Health BP Oil Spill – Louisiana, 2010

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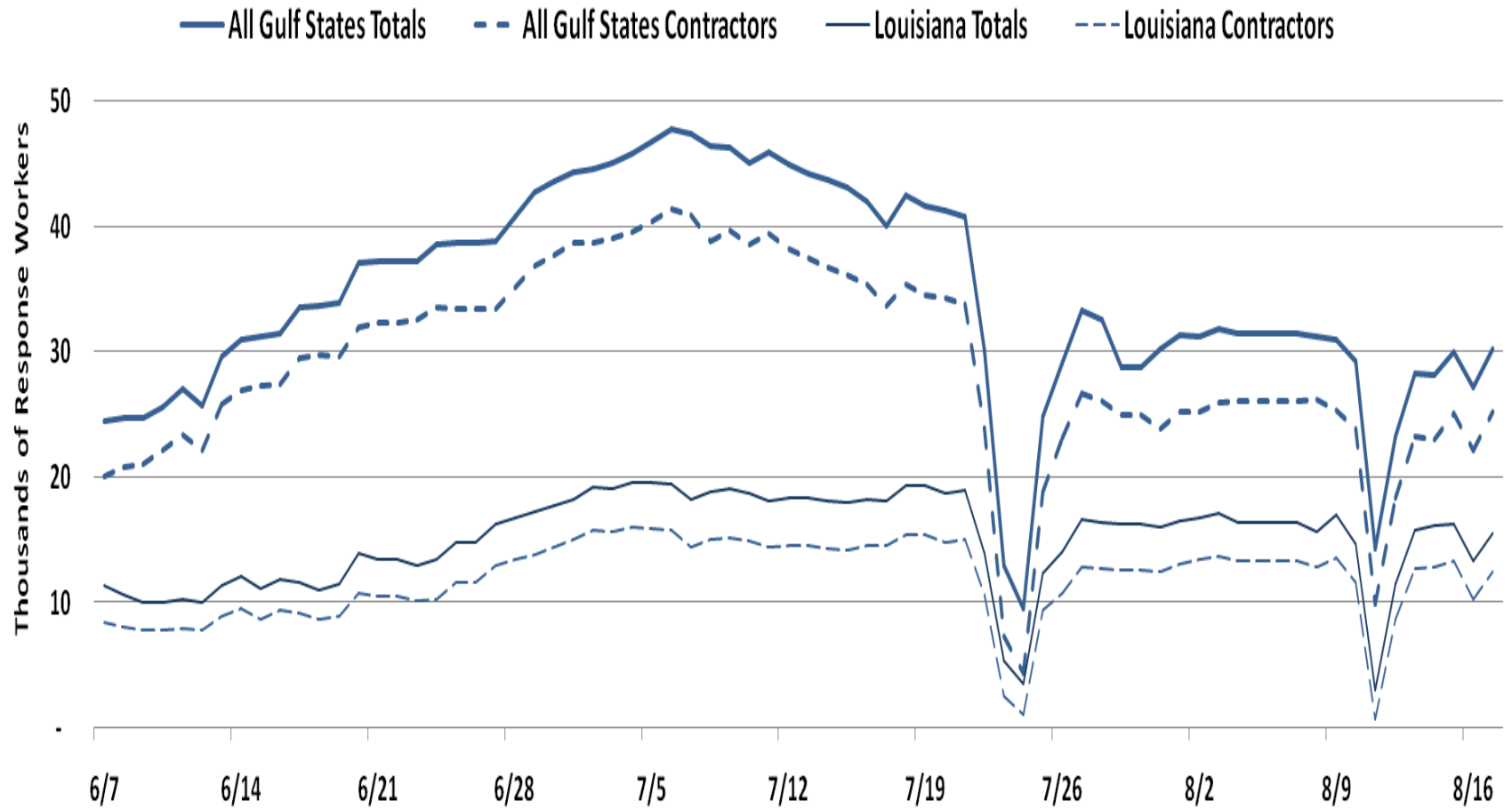
Louisiana Department of Health & Hospitals

Section of Environmental Epidemiology & Toxicology

Occupational Health Surveillance Program



Worker Counts – BP Oil Spill



Deepwater Horizon Oil Spill Hospitals and Staging Areas

Map produced May 25, 2010, by the Louisiana Department of Health and Hospitals (LDHH), Office of Public Health (OPH), Center for Environmental Health Services, Section of Environmental Epidemiology & Toxicology (SEET). LDHH SEET cannot guarantee the accuracy of the information contained on this map and expressly disclaims liability for errors and omissions in its contents.

0 5 10 20 30 40 Miles

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Legend

 Unified Area Command (UAC) Robert, LA	Hospitals, SEET 2008	OPH Regions		
 Incident Command Post (ICP) Houma, LA	 Emergency Room	 1	 3	 9
 Staging Areas	 Non-ER Hospitals*	 2	 4	
 Oil Spill Site	Boundaries	Major Roads, Streetmap 2009		
 Projected oil extent, May 24, 2010. NGA	 Louisiana Parishes	 Interstates and Freeways		
	 Mississippi Counties	 US Highway		
	 Waterbodies, LSU Atlas	 State Highway		

*Psychiatric, Rehabilitation and Long-Term Acute Care Hospitals have been excluded.

Louisiana's Oil Spill Sentinel Surveillance System

To track and evaluate acute health effects related to the BP Oil Spill

- Exposure to odors/fumes
- Skin contact with contaminated water or objects
- Heat stress
- Injuries from cleanup or containment activities

Louisiana's Oil Spill Surveillance System

Process:

- Cases received via telephone or fax
 - All case data entered into networked database
- Follow-up investigation
 - demographics, work activity/location, exposure history, health effects, treatment
- Classify case
- Produce weekly report

Louisiana's Oil Spill Surveillance System

Approx 1100 Reports

Source

ED/Hospitals – 38%

Worksite clinic- 45%

Physicians' offices/clinics - 12%

Louisiana Poison Center- 5%

Classification

Exposure – 32%

Injury – 33%

Not a case – 29%

Unknown – 7%

Surveillance Process

- Cases received 24-hours/day
- Networked ACCESS database between Baton Rouge & New Orleans offices
- Case information immediately entered into database
- Initial → follow-up → classified
- Weekly report: *all exposure cases*

Weekly Surveillance Report

- 7 pages
- Contents:
 - Summary: Reporting system (phone/fax number, what to report, etc)
- Limitations
 - Cannot confirm symptoms or exposures
 - Dynamic system
- Results

Weekly Surveillance Report

- Results: simple analysis, counts, graphs

Demographics

Details about exposure

Illness & health care utilization

Clusters

- Syndromic surveillance
- Air surveillance data
- *Posted every Monday*

Surveillance Summary

- Importance of routine report release
- Provided timely & critical information
- Public Report - widely distributed/cited
- Clear message

Data collected, managed, evaluated, & summarized in a manner that influenced the response