

Public Health Surveillance 2010 Deepwater Horizon Response

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Initial Response

- April 30: Contacted affected states to offer technical assistance
 - States expressed interest in enhanced surveillance
- Developed and disseminated draft enhanced surveillance plan and tool to the states
 - One state adapted CDC surveillance form
 - Three states implemented enhanced surveillance using existing systems
 - Health effects under surveillance: respiratory, cardiovascular, ocular, dermal, GI symptoms

CDC Surveillance Plan

- Coordinate state-based surveillance
 - Collect daily state surveillance data
 - Provide timely reports back to states
- Conduct national surveillance
 - BioSense: monitoring 21 ED chief complaint and final diagnosis syndromes in 86 facilities
 - National Poison Data System: Tracking calls for 60 PCC related to oil spill exposure, seafood contamination, and dispersant exposure
- Provide epidemiologic and surveillance technical support when requested
- Publish summarized data on CDC's website

CDC Surveillance Data

CDC Home



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Emergency Preparedness and Response

Emergency Preparedness & Response

Specific Hazards

Gulf Oil Spill 2010

Preparedness for All Hazards

What CDC Is Doing

What You Can Do

What's New

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Health Surveillance

Please note: Following this report, new reports will be released less often. Beginning with the next report, new reports will provide two weeks of data.

UPDATE: This information is current as of September 29, 2010, 1:00 PM ET

The Gulf Coast Oil Spill has the potential to affect human health in addition to the effects already seen on animal and marine life. CDC, along with the affected Gulf Coast states, has developed a plan to track the potential short-term health effects related to the oil spill in the affected communities. Surveillance systems track changes in the number and severity of illnesses and injuries in a population, alerting public health officials to trends that require further investigation.

Environmental Surveillance

CDC has reviewed the results of EPA's sampling efforts in response to the oil spill in the Gulf of Mexico. In our review, CDC has used information on the health effects associated with the chemicals detected in the EPA's samples. CDC's review is designed to determine whether these pollutants in your community may cause health problems.

[Read more...](#)

National Surveillance

Surveillance System	Description	Reporting Periods
BioSense	<ul style="list-style-type: none"> -Monitoring 21 ED chief complaint and final diagnosis syndromes in 86 facilities in affected states (VA, DoD, civilian) -Pilot to assess 5 Mental Health syndromes in BioSense -Providing state-specific reports to each state. 	Initially daily, then weekly
National Poison Data System (NPDS)	<ul style="list-style-type: none"> -Tracking calls for 60 PCC in affected states related to: <ul style="list-style-type: none"> 1) oil spill exposure AND 2) seafood contamination and dispersant exposure related to oil spill -PCC calls come from: <ul style="list-style-type: none"> - private citizens - paramedics - healthcare providers etc -Providing state-specific call reports to AL, MS. 	Initially daily, then weekly

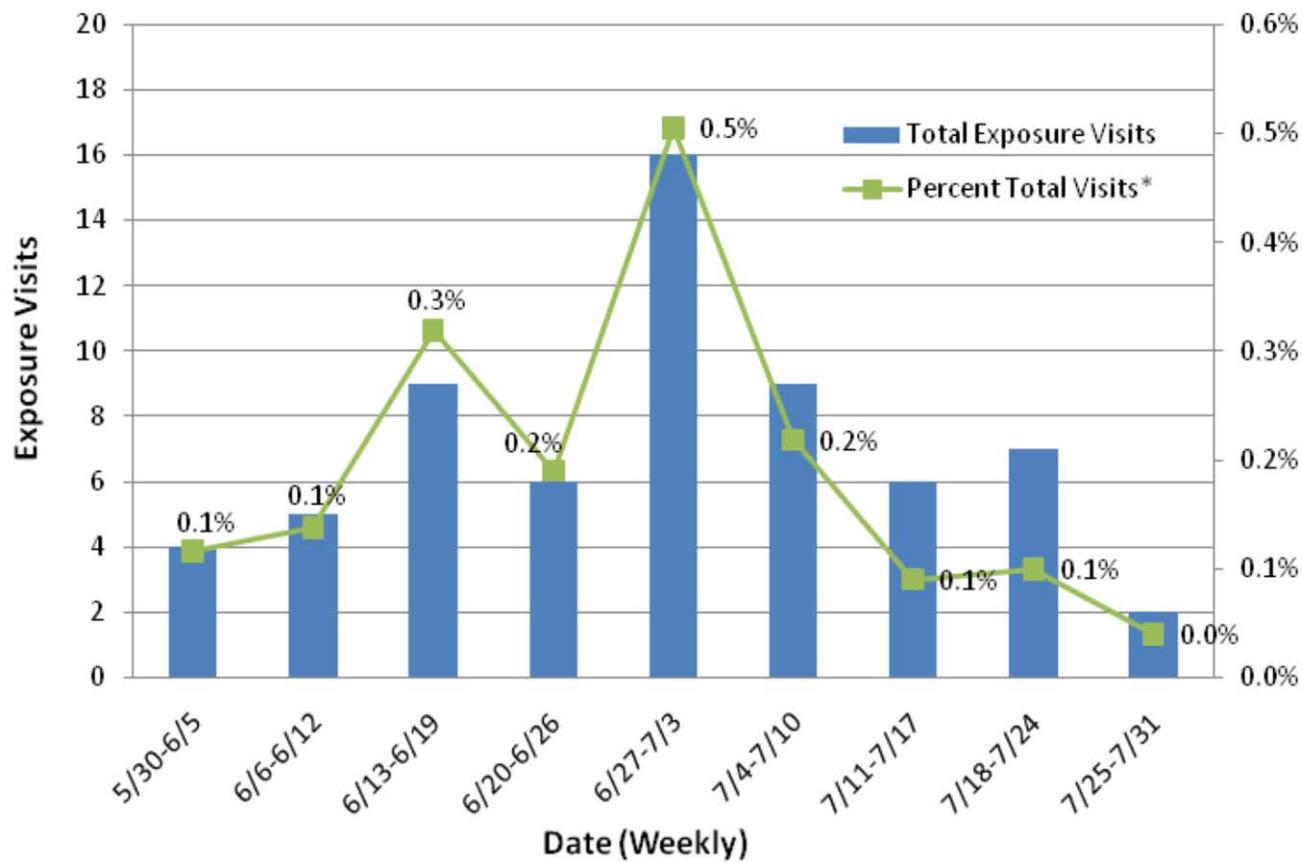
State-based Surveillance

State	Surveillance Activity	Description	Reporting
LA	Line list and questionnaire, EARS (syndromic surveillance) , PCC, and SEET hotline	<ul style="list-style-type: none"> -Conducting surveillance on patients who indicate oil exposure; follow-up with questionnaire -Querying EARS for “oil” -Began May 3, 2010 -State link to weekly surveillance summary available 	Weekly
MS	Drop-in, sentinel surveillance	<ul style="list-style-type: none"> -Collecting data in 5 coastal EDs using a modified ILI tool -Began May 9, 2010 - Began June 11, 2010 collecting specific data on oil-related visits from coastal EDs 	Weekly

State-based Surveillance

State	Surveillance Activity	Description	Reporting
FL	<p>ESSENCE (syndromic surveillance)</p> <p>FL Poison Information Center Network (FPICN)</p>	<p>-Monitoring in 6 ED's in coastal counties for symptoms</p> <p>Querying ESSENCE for "oil"</p> <p>-Began May 1</p>	<p>Weekly beginning July 11 (previously daily)</p> <p>FPICN data also aggregated in the National PCC data</p>
AL	<p>Drop-in ED surveillance using CDC form</p>	<p>-Collecting data in coastal EDs and urgent care facilities among patients indicating oil exposure</p> <p>-Began May 18</p>	<p>Weekly</p>

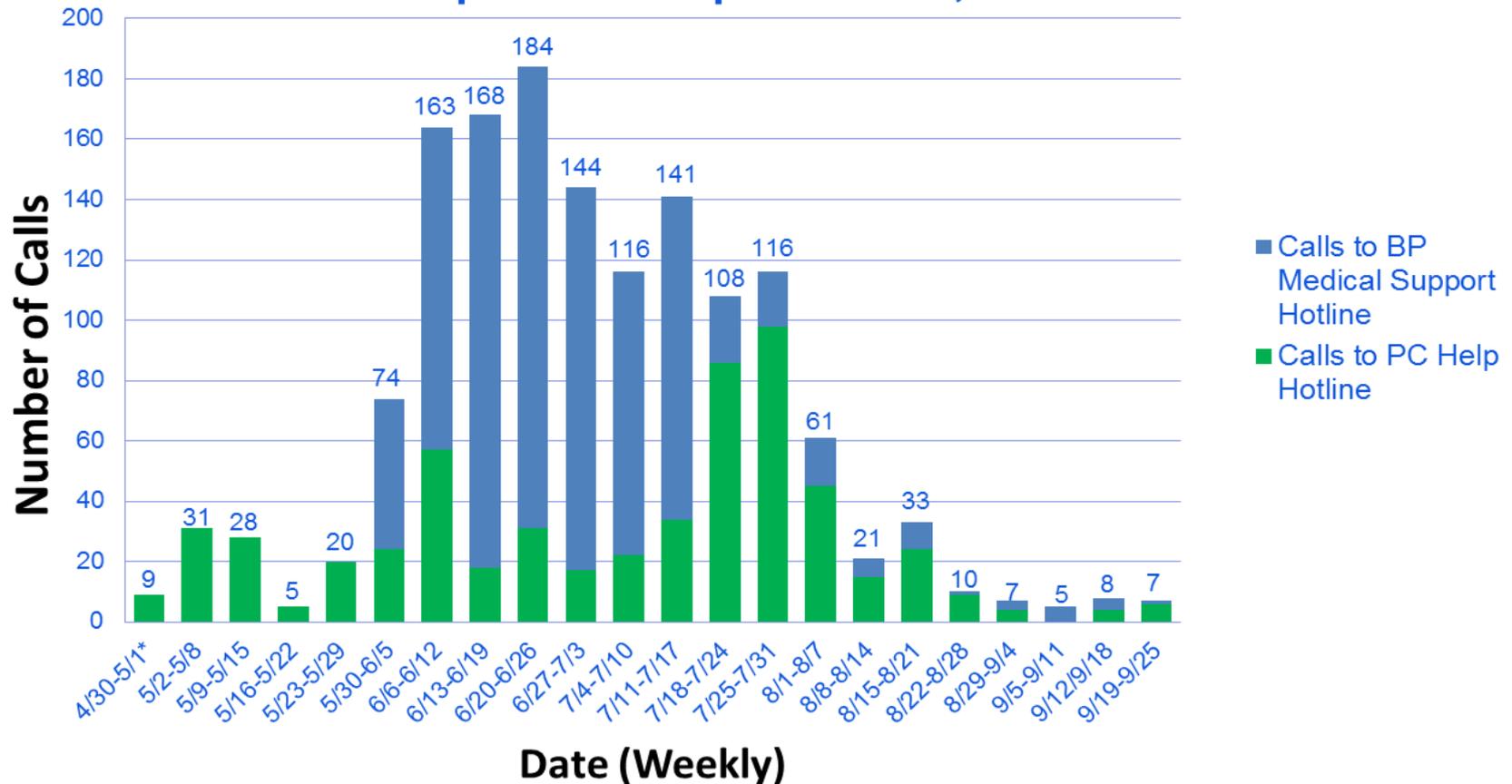
Total Exposure Visits in Alabama, May 30 to July 31, 2010



*Percentage of visits that were related to the oil spill compared to total visits

Calls to Poison Control Centers and BP Medical Support Hotline

**Total Oil Spill Calls to the Gulf States
April 30 to September 25, 2010**



*Gulf Oil Spill call surveillance started on April 30, so the first bar represents data only for April 30 to May 1

Surveillance Data Characteristics and Update

- ❑ **States sent CDC aggregate data**
 - CDC does not have “line listed” data
- ❑ **States stopped collecting DWH-specific data in October**

**Gulf States Population Survey:
Behavioral Health Surveillance
using
BRFSS Methods**

Proposed Objective & Specific Aims

- Objective: Conduct behavioral health surveillance that meets needs of:
 - States (public health & mental health)
 - Federal agencies (CDC, SAMHSA, ACF, DHHS/ASPR)
- Specific aims:
 - Identify need for and use of behavioral health services
 - Rapidly transmit data, findings, & recommendations to state and Federal stakeholders and others as appropriate
 - Consult with stakeholders regarding use and utility of the information
 - Identify longer-term information needs

Behavioral Risk Factor Surveillance System (BRFSS)

- Largest, on-going telephone health survey system
- Tracks health conditions and risk behaviors
- Conducted by the 50 state health departments, District of Columbia, Puerto Rico, Guam, and the U.S. Virgin Islands
- Provides state-specific information about many health issues

Planning Assumptions

- States
 - Active participants in planning
 - Receive data files for their areas
- Leverage BRFSS infrastructure: states & CDC
- Standardized questionnaire across the 4 states
- Development facilitated by use of pre-tested “off-the-shelf” questions
 - BRFSS modules
 - Others

Survey Questionnaire

82 Questions

- 2009 BRFSS core questions
- Modified versions of 2009 BRFSS core questions
- Optional BRFSS Social Context Module
 - 2009 AL, LA
- Optional BRFSS Anxiety & Depression Module
 - 2008 MS, LA; 2006 AL, FL, MS, LA
- Optional BRFSS Intimate Partner Violence Module
 - 2006 LA
- Optional BRFSS Mental Illness/Stigma Module
 - 2007 LA, MS; 2009 MS
- 2010 DWH CASPER Survey (Alabama)
- New questions

GPS Survey Timeline

Date	Action
16 Aug 2010	BP announces support for BH; \$3M to CDC for GPS
6 Oct 2010	Solicitation posted for GPS data collection
7 Oct 2010	Received OMB clearance for survey instrument
28 Oct 2010	Contract bids and proposals received
29 Oct 2010	BRFSS technical panel review
29 Nov 2010	Contract award issued
14 Dec 2010	Survey interviews start
8 Apr 2011	Initial data & tabulations shared with SAMHSA
5 Aug 2011	Quarterly reporting to include first 6 months of data

Questions?

For more information please contact CDC Emergency Operations Center

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

