

Texas Laboratory Response Network (LRN)
Seasonal Influenza Surveillance
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Laboratory Response Network (LRN)

- The LRN was established in 1999 by the Department of Health and Human Services Centers for Disease Control and Prevention (CDC), in response to Presidential Decision Directive 39.
- National network of local and state public health, federal, military, and international laboratories that provide laboratory diagnostics and maintain the capacity to respond to biological and chemical threats and other public health emergencies.
- The LRN-B laboratories are categorized as either national, reference or sentinel laboratories based on their respective testing capabilities.

Laboratory Response Network (LRN)

Definitive characterization of the most dangerous infectious agents

Confirmatory testing for most select agents

Rule-out testing and referral of specimens

Texas LRN Locations

Texas LRNs and Flu Surveillance

- Texas LRN laboratories participated in flu pilot project for 2008-2009 season
- Played integral role in 2009 H1N1 surge response
- Continued participation in the DSHS influenza surveillance program during the 2009-2010 and 2010-2011 flu seasons
- LRNs provide (free) local access to state-of-the-art molecular testing of specimens (i.e., real time RT-PCR assay)
 - Virus typing and subtyping
 - 2-5 business day turnaround

Texas LRNs and Flu Surveillance, 2010-2011

Local submitters

Regional DSHS epidemiologists

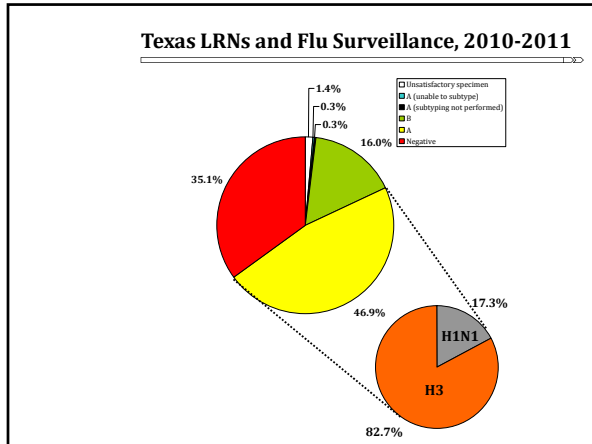
LRN

3 positive specimens

TEXAS Department of State Health Services

Additional testing

- Viral culture
- Antiviral resistance testing via pyrosequencing
- Multiplex PCR testing



Texas LRN Contact Information

LRN
PARTNERS IN PREPAREDNESS

Texas LRNs and Flu Surveillance, 2010-2011

Questions?

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