



Summer Update

What's Anticipated for the
2013-2014 Influenza Season

Lesley Brannan
State Influenza Surveillance Coordinator
Texas Department of State Health Services



Learning Objectives

- Explain the rationale and requirements for reporting during the “off-season”
- Describe changes to surveillance procedures for 2013-2014

Outline

- Summer Reporting
 - Purpose
 - Requirements
 - Procedure
- Flu Surveillance for 2013-2014
 - Changes
 - Reminders
 - Laboratory flowcharts
 - Activities and timeline
- Other updates



Summer Reporting: Purpose

- Maintain situational awareness
- Maintain communication with reporters
- Maintain reporting and testing structure in case of unexpected event



Summer Reporting: Reporting Requirements

- Maintain at least 3-4 reporters per Region
- ILINet providers may continue to report
- Each Region reports weekly to EAIDB
- State flu reports posted weekly on Fridays

Summer Reporting: Procedures

- For Regions:
 - Final reports due each Thursday by noon to flutexas@dshs.state.tx.us
 - No preliminary reports
- Local HDs
 - Consult Regions



Summer Reporting: Specimens

- Specimen testing continues year-round!
- Please submit specimens from patients with flu symptoms, especially:
 - Travelers
 - Fair attendees with animal contact
 - Persons with severe illness
 - Other specimens of interest

Flu Surveillance 2013-14: Anticipated Changes

- Epidemiology: No major changes
- Laboratory
 - DSHS Austin: No major changes
 - LRNs: None



Flu Surveillance 2013-14: Reminders

- Check expiration dates on media
- Send specimens year-round
- Obtain copies of your HD's G-2A

WANTED

FOR THREATENING THE PUBLIC'S HEALTH

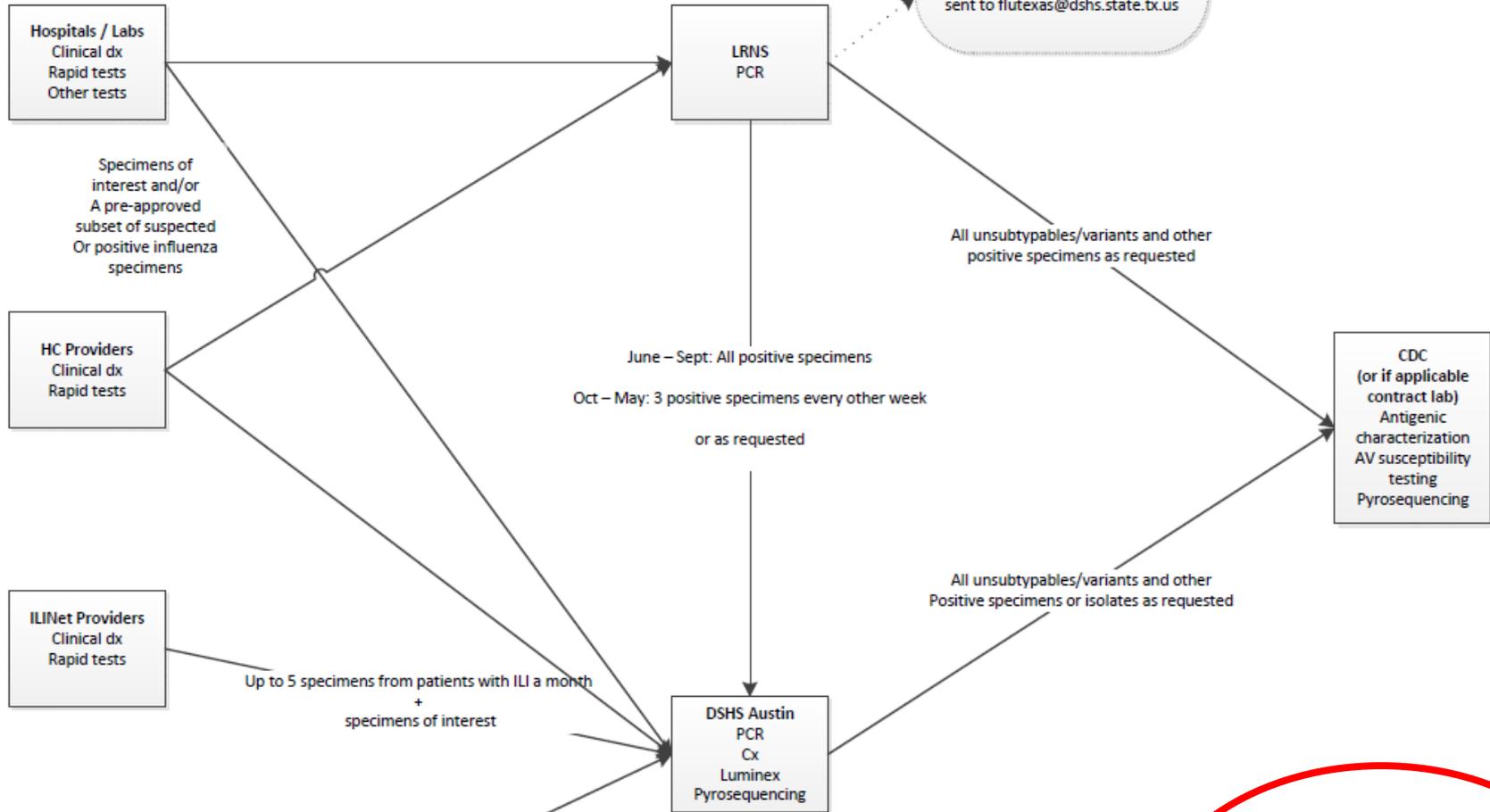


INFLUENZA AND ILI

**SEND:
OUTBREAK SPECIMENS
OUTBREAK REPORTS**

REWARD

Virologic (Lab) Surveillance 2013-2014



Weekly aggregate report of all flu tests sent to flutexas@dshs.state.tx.us

CDC
(or if applicable contract lab)
Antigenic characterization
AV susceptibility testing
Pyrosequencing

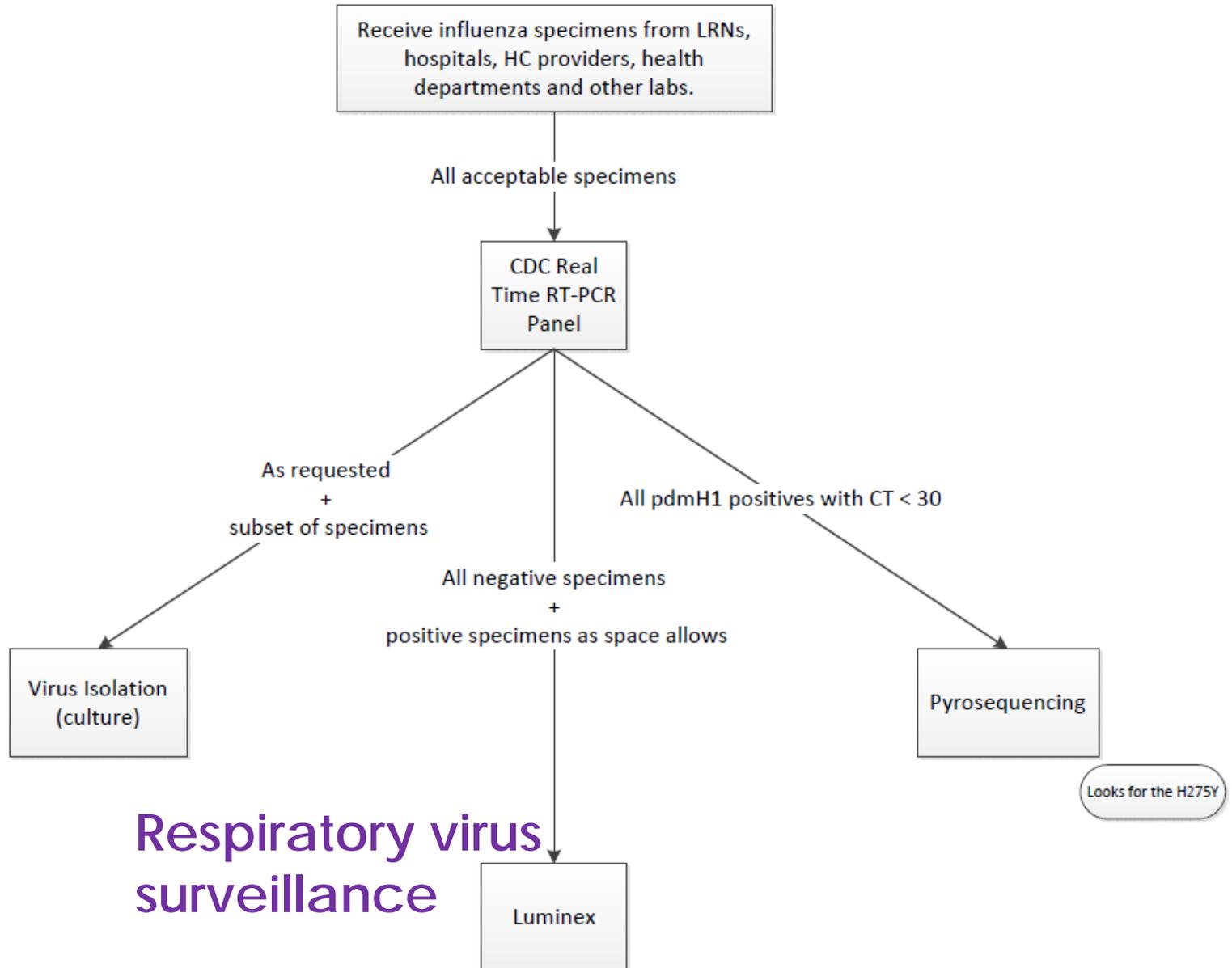
DSHS Austin
PCR
Cx
Luminex
Pyrosequencing

- Specimens of interest:**
- Extremely severe or unusual presentation
 - Not responding to AV treatment
 - History of animal contact (avian/swine)
 - History of international travel
- Other priority specimens:**
- Early and late season specimens
 - Outbreaks
 - Pediatric deaths
 - Unsubtypables

Priority specimens

- Specimens of interest:
 - Extremely severe or unusual presentation
 - Not responding to AV treatment
 - History of animal contact (avian/swine)
 - History of international travel
- Other priority specimens
 - Early and late season specimens
 - Outbreaks
 - Pediatric deaths
 - Unsubtypeables

DSHS Laboratory Testing Algorithm 2013-2014



DSHS Laboratory Respiratory Virus Outbreak Specimen Testing Algorithm 2013-2014

Receive respiratory virus specimens designated by DSHS or health departments as outbreak associated.

All acceptable specimens

CDC Real Time RT-PCR
Panel for influenza testing

Minimum of 5 NP specimens submitted
&
influenza negative

Enterovirus or Adenovirus
highly suspected
Or
Only non-NP specimens submitted

Test on Luminex as soon
as feasible (usually within
7 business days)

Viral Isolation
(Culture)

Less than 5 NP specimens submitted
or
influenza positive

Results reported
as usual

If <50% of specimens are positive then aggregate reporting of results will be provided to health department (e.g. 3 out of 10 specimens are positive for parainfluenza)

If 50% or more of the specimens are positive then detailed aggregate results will not be provided (e.g. report as "multiple specimens are positive for parainfluenza")

Included on next
scheduled Luminex run

Results may or may
not be provided

Note: Patient level results
can not be shared until
Luminex is fully validated.

Flu Surveillance 2013-14: Activities and Timeline

- Recruiting – Reporters and specimen submitters
- Ordering
- Shipping
- Surveillance
 - National flu season runs from September 29, 2013 – May 17, 2014

Timeline: Ordering Supplies

August 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23 [†]	24
25	26	27	28	29	30 [‡]	31

[†]Suggested deadline for LHD and provider orders to RHDs

[‡]Deadline for Regional HDs to send orders to DSHS Austin

Timeline: Shipping supplies

September 2013						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16*	17	18	19	20	21
22	23*	24	25**	26	27	28
29	30					



*Shipping day

**Backup shipping day

Other Updates: Vaccine

- New for this season:
 - Recombinant trivalent vaccine
 - Quadrivalent vaccine
 - 1 live, attenuated quadrivalent vaccine
 - 2 inactivated quadrivalent vaccines
- No longer available:
 - Live, attenuated trivalent vaccine
- Still available:
 - Inactivated trivalent
 - Inactivated trivalent high-dose

Other Updates: Flu Handbook

- Flu Handbook
 - Will be updated by August 31
 - Changes posted to DSHS IDCU website
 - Anticipated changes to include:
 - Information on quadrivalent vaccines
 - Updating pediatric flu and variant/novel flu guidance from VPD/IRID guidelines
 - Adding information about Right Size

Other Updates: Contracts

- Contracts
 - LRNs
 - Renewing contracts for next season
 - May request line listing of specimens
 - IISP
 - IISP discontinued
 - Contracts will not be renewed
 - IISP-like program will continue

Other Updates: Special project

- Survey of hospital IPs
- EAIDB graduate student intern project
 - Staff vaccination policy in response to SB 7 (2011-1) → Texas Health and Safety Code, Title 4, Subtitle A, Chapter 224
 - Requires health care facilities to develop and implement policies to vaccinate their workers to protect patients from vaccine-preventable diseases
 - hospitals
 - birthing centers
 - abortion facilities
 - special care facilities
 - free-standing emergency medical care facilities
 - nursing homes & assisted living facilities
 - ESRD facilities
 - ambulatory surgical centers
 - Plans required to be in place by September 1, 2012

Future Efforts

- Collect denominator data
- Implement Right Size components
- Syndromic surveillance
- Severity component