

Welcome

U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

Robert (Bob) Russin
ILINet Coordinator
DSHS - Austin



ILINet

1. The ILINet at the National Level



2. The ILINet in Texas

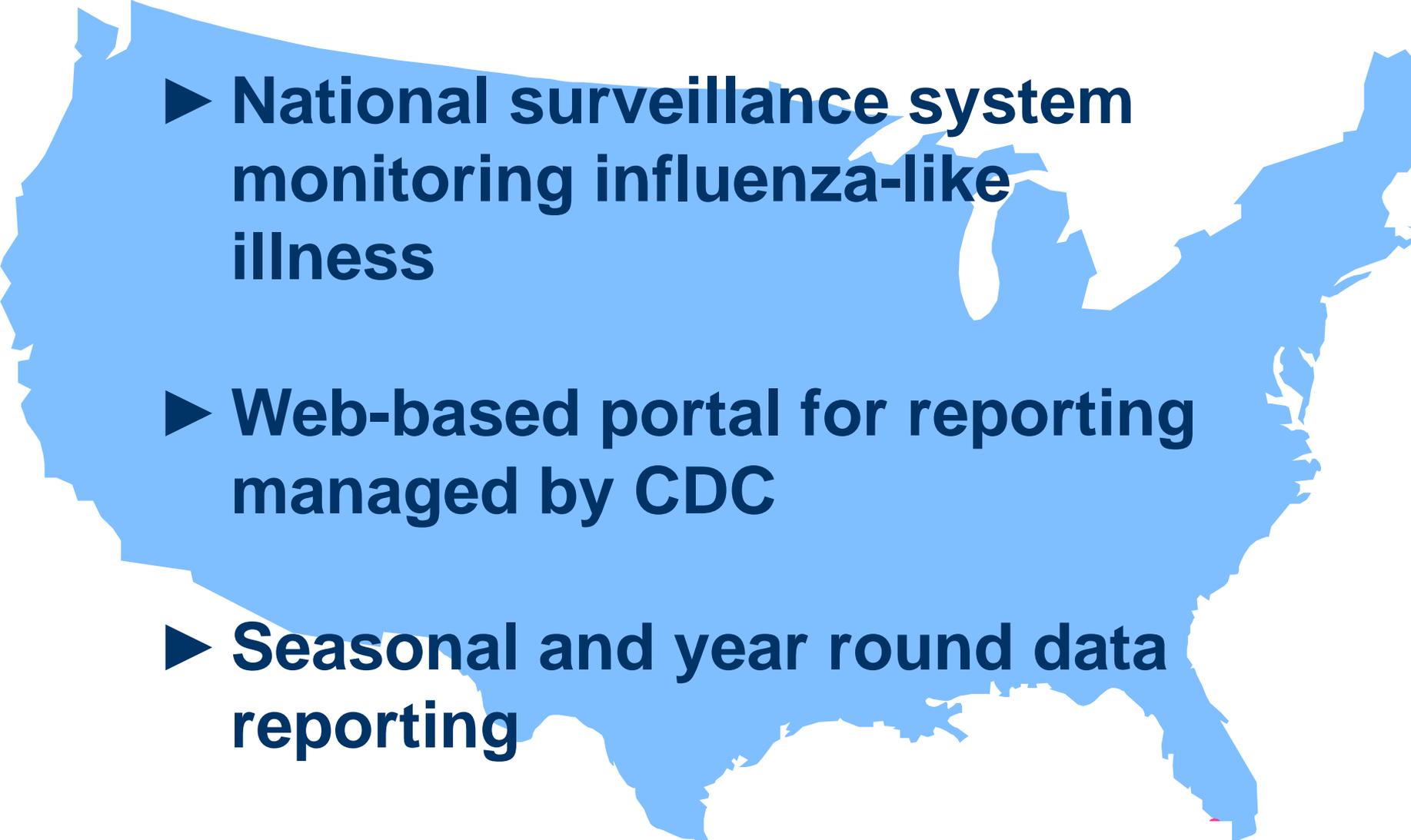


What does the acronym ILINet represent?



United States
Outpatient
Influenza-Like
Illness
Surveillance
Network

What is the U.S. ILINet?

- 
- ▶ **National surveillance system monitoring influenza-like illness**
 - ▶ **Web-based portal for reporting managed by CDC**
 - ▶ **Seasonal and year round data reporting**

Reporting Weekly ILINet data to the CDC



ILINet Internet Reporting System

Data Input Page

1. Provider ID Code:	<input type="text" value="48350"/>
2. Week Ending Date:	<input type="text" value="▼"/>
3. ILI* AGE 0-4:	<input type="text" value="0"/>
4. ILI* AGE 5-24:	<input type="text" value="0"/>
5. ILI* AGE 25-49:	<input type="text" value="0"/>
6. ILI* AGE 50-64:	<input type="text" value="0"/>
7. ILI* AGE OVER 64:	<input type="text" value="0"/>
8. Total Patients Seen:	<input type="text" value="0"/>
9. Is this a revision of data reported at an earlier date?:	No <input type="checkbox"/> Yes <input type="checkbox"/>

*** Influenza-like illness (ILI):**

Fever ($\geq 100^{\circ}$ F [37.8° C]), oral or equivalent) AND cough and /or sore throat (in the absence of a KNOWN cause other than influenza)

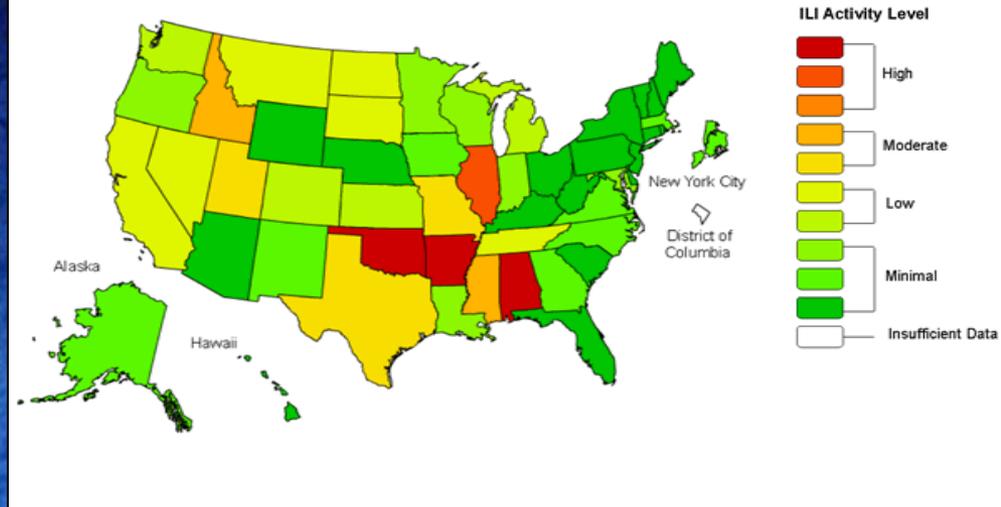
Why use ILINet



- ▶ Contributes to state and national ILI picture
- ▶ Data are comparable across sites.
Numerator and denominator data available
- ▶ In Texas, data correlate to hospitalizations and deaths.
- ▶ Funding allows data providers to submit 5 specimens per month for free Influenza testing.
- ▶ Specimens, if submitted, help with vaccine recommendations.
- ▶ State & Local HDs have the opportunity to build partnerships with private Healthcare Professionals and their staff.

CDC FluView graphs and ILI intensity map

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2011-12 Influenza Season Week 11 ending Mar 17, 2012



FLUVIEW A WEEKLY INFLUENZA SURVEILLANCE REPORT PREPARED BY THE INFLUENZA DIVISION

Season: 2011-12 40 50 1 10 20 26 weeks

National HHS Regions Census Divisions

Map
Influenza Positive Tests Reported to CDC, and ILI Activity, National Summary, 2011-12 Season, week ending Jun 29, 2012
Reported by U.S. WHOINREVSS Collaborating Laboratories and ILINet
[More Info](#) | [Download Image](#)

Piechart Legend
(Piechart includes data from most recent 2 weeks of season)

- A (H1)
- A (Unable to Subtype)
- A (H3)
- 2009 H5N1
- A (Subtyping not Performed)
- B
- No Data

Map Legend

- ILI Elevated
- ILI Normal
- No Data

Line Chart ILI
Percentage of visits for ILI, National Summary, 2011-12 Season through Jun 29, 2012
Reported by U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
[More Info](#) | [Download Image](#) | [Download Data](#)

Percent Weighted ILI National Baseline

Pie Chart WHO/INREVSS
Influenza Positive Tests Reported to CDC, National Summary, 2011-12 Season through Jun 09, 2012 - Jun 29, 2012
Reported by U.S. WHOINREVSS Collaborating Laboratories
[More Info](#) | [Download Image](#)

Number of Influenza Positive Tests

- A (H1) - 0
- A (Unable to Subtype) - 0
- A (H3) - 99
- 2009 H5N1 - 21
- A (Subtyping not Performed) - 94
- B - 340
- No Data

Stacked Column Chart WHO/INREVSS
Influenza Positive Tests Reported to CDC, National Summary, 2011-12 Season through Jun 29, 2012
Reported by U.S. WHOINREVSS Collaborating Laboratories
[More Info](#) | [Download Image](#) | [Download Data](#)

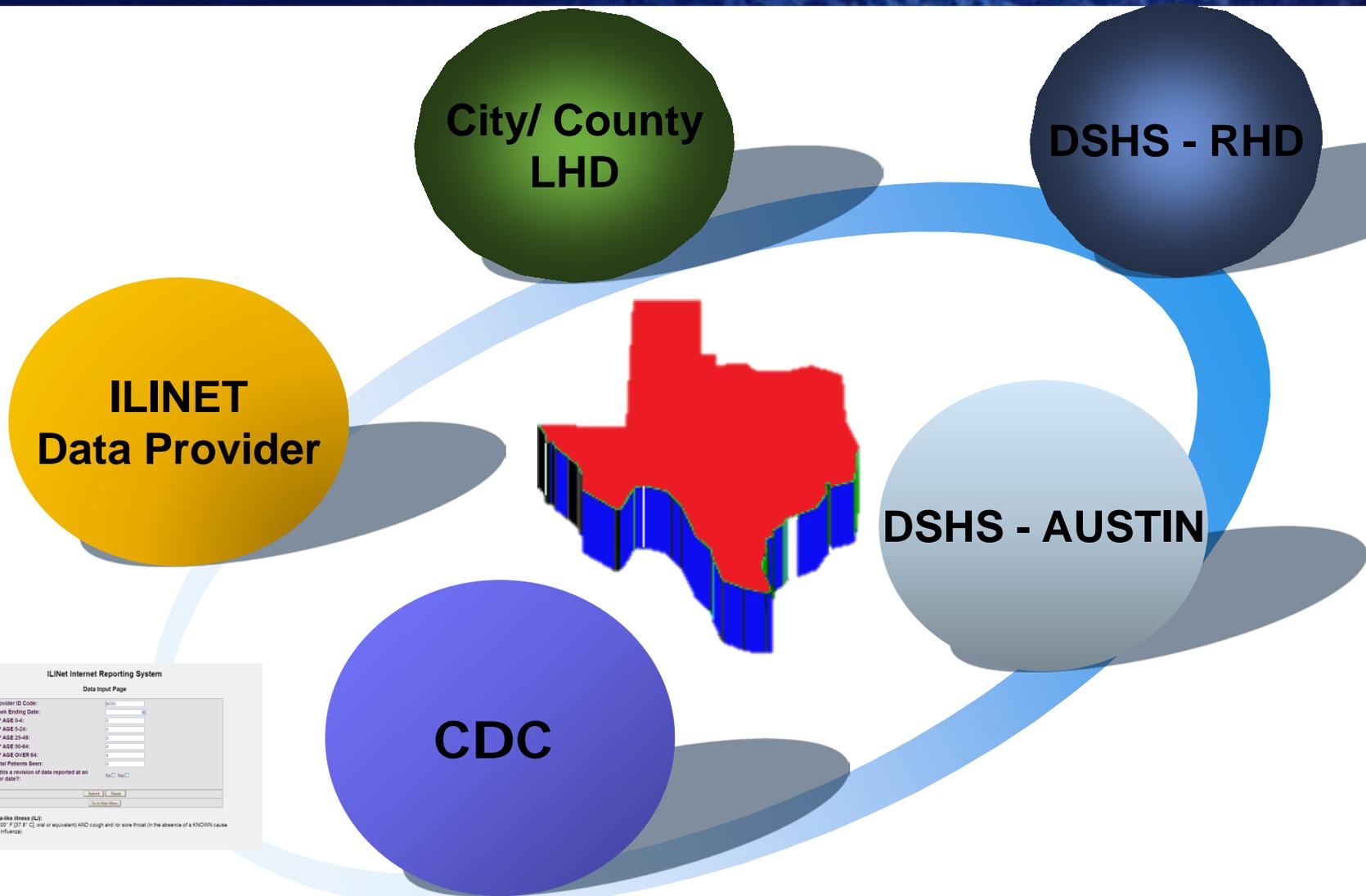
Check All Percent Positive

- A (H1)
- A (Unable to Subtype)
- A (H3)
- 2009 H5N1
- A (Subtyping not Performed)
- B

**ILINet
in
Texas**



The ILINet Partnership in Texas



ILINet Internet Reporting System
Data Input Page

1. Provider ID Code:	<input type="text"/>
2. Week Ending Date:	<input type="text"/>
3. I/F AGE 0-4:	<input type="text"/>
4. I/F AGE 5-24:	<input type="text"/>
5. I/F AGE 25-49:	<input type="text"/>
6. I/F AGE 50-64:	<input type="text"/>
7. I/F AGE OVER 64:	<input type="text"/>
8. Total Patients Seen:	<input type="text"/>
9. Is this a revision of data reported at an earlier date? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="button" value="Submit"/> <input type="button" value="Cancel"/> <input type="button" value="Go Back"/>	

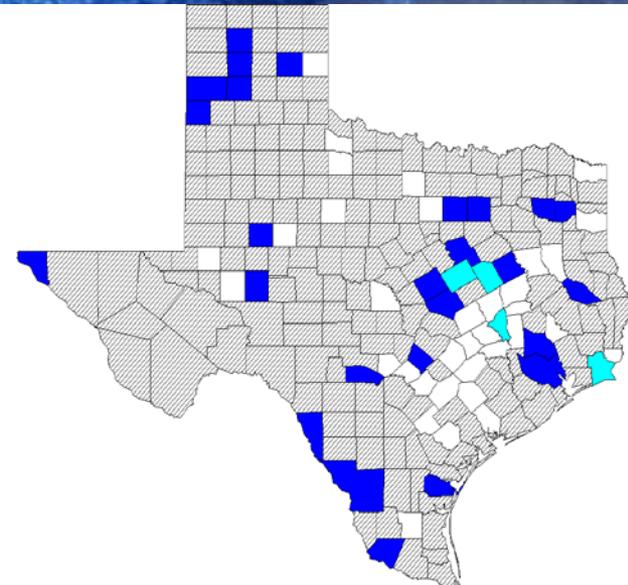
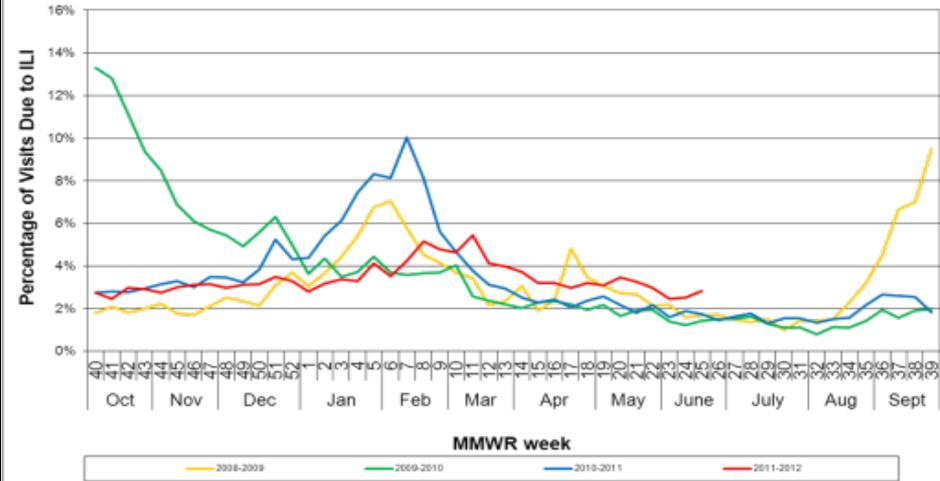
* Influenza-like illness (ILI):
Fever (≥ 100° F [37.7° C]), oral or equivalent (AND) cough and/or sore throat (in the absence of a KNOWN cause other than influenza)

Texas Weekly Flu Surveillance

Percentage of Visits for Influenza-like Illness reported by the US Outpatient Influenza-like Illness Surveillance Network (ILINet) in Texas (07/03/2013 10:30 AM)

Week	# Reporting	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65 and older	Total ILI	Total Patients	% ILI
201240	61	224	334	179	34	7	778	27892	2.79%
201241	59	246	411	185	64	23	929	27730	3.35%
201242	62	214	365	113	31	13	736	27556	2.67%
201243	61	296	392	167	44	26	925	26703	3.46%
201244	62	295	454	204	43	21	1017	26740	3.80%
201245	64	337	583	223	60	21	1224	28140	4.35%
201246	60	337	563	196	52	13	1161	26929	4.31%
201247	62	364	665	346	122	32	1529	21612	7.07%
201248	62	350	651	379	111	40	1531	29325	5.22%
201249	64	449	987	468	120	45	2069	29342	7.05%
201250	63	479	1142	457	133	58	2269	28952	7.84%
201251	59	545	1390	755	226	78	2994	28799	10.40%
201252	60	512	1048	792	284	100	2736	22981	11.91%
201301	63	588	878	926	347	131	2870	26986	10.64%
201302	63	640	1167	1017	258	97	3179	32565	9.76%
201303	64	684	1478	701	180	93	3136	31520	9.95%
201304	62	586	1262	804	283	76	3011	30294	9.94%
201305	62	453	938	529	171	77	2168	27993	7.74%
201306	63	330	736	425	112	51	1654	26808	6.17%
201307	62	313	599	349	102	30	1393	25968	5.36%
201308	59	211	485	327	89	34	1146	25836	4.44%
201309	61	254	501	321	73	42	1191	26085	4.57%
201310	59	286	527	313	79	32	1237	26963	4.59%
201311	56	271	311	270	65	56	973	23086	4.21%
201312	57	267	348	271	79	30	995	25934	3.84%
201313	56	229	356	226	53	26	890	23749	3.75%
201314	53	209	332	173	45	24	783	20930	3.74%
201315	53	230	311	175	60	27	803	23700	3.39%
201316	54	218	343	191	57	27	836	24753	3.38%

Percentage of Visits Due to Influenza-like Illness Reported by Texas Participants in ILINet, 2008-2012 Seasons



How are data providers selected



How are data providers selected



- 1. LHD/RHD or state ILINet coordinator identifies a provider and gives the provider info on ILINet.**
- 2. DSHS EAIDB flu team coordinates with CDC to register the provider and set up ILINet access.**
- 3. A work folder and ILINet login info is mailed to the provider**

Who is Eligible to Participate



Participation is open to the following healthcare practice types

- ▶ **Family practice**
- ▶ **Infectious disease**
- ▶ **Pediatricians**
- ▶ **Urgent care**
- ▶ **Internal medicine**
- ▶ **Community clinics**
- ▶ **Student health**
- ▶ **Emergency departments**

ILINet Recruiting

Techniques: Traditional Broadcast Direct Mailing

Lessons: Produces very few providers ,
is very costly, and time consuming.

Opportunities: Effective when the letter originates internally
from the CMO or CEO of their Network.

ILINet Recruiting

Opportunities: 90 – 95 % of Healthcare Professionals obtain information via a mobile device: tablet, smart phone.

Lesson:

Provider appreciate the benefits of electronic communication and engage in Social Media Networking to enhance their business connectivity.

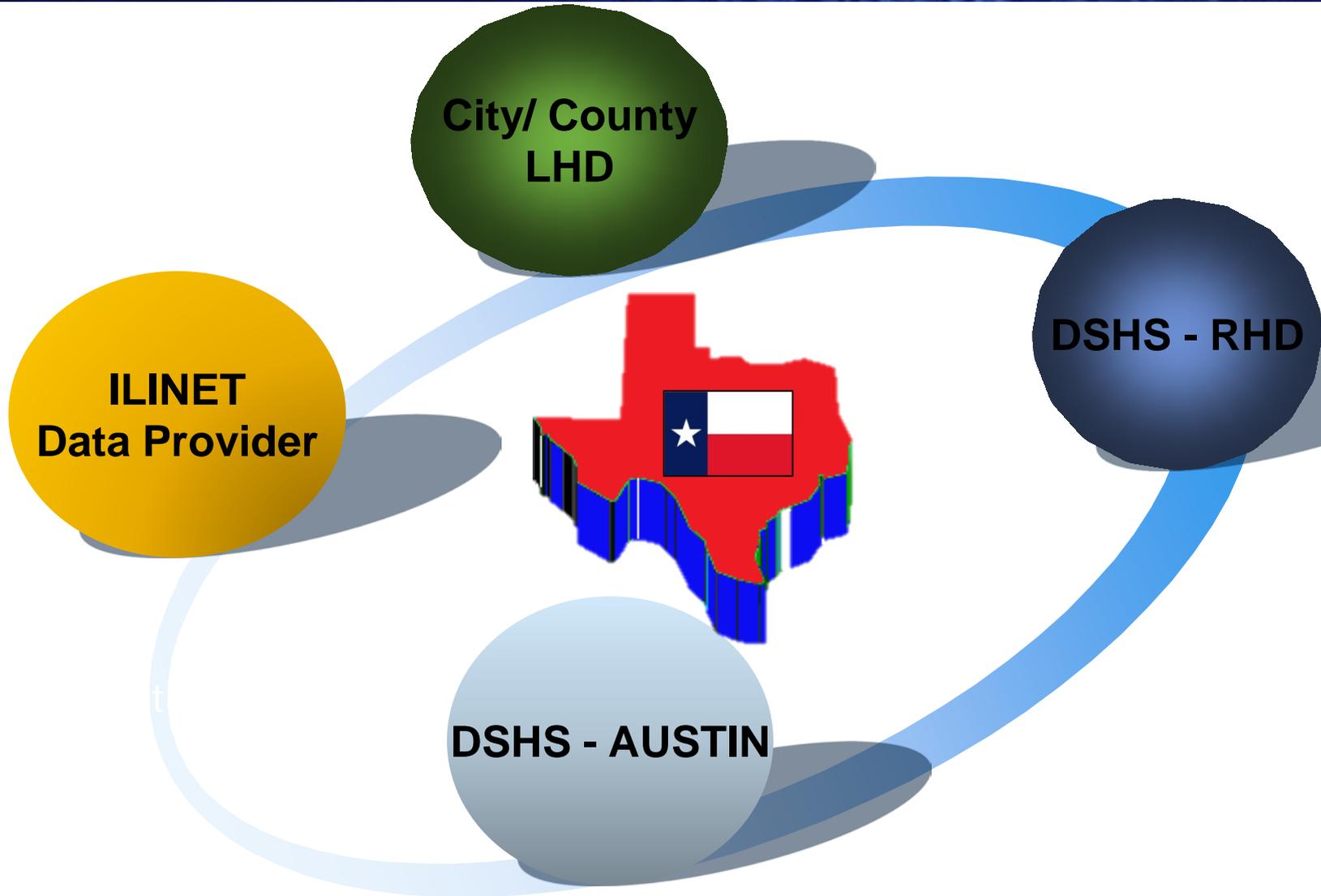
ILINet Recruiting

Techniques: Personal contact by RHD or LHD

Lessons: Person to person contact is highly effective .
Personal contact builds credibility and adds quality
to the request to join the ILINet.

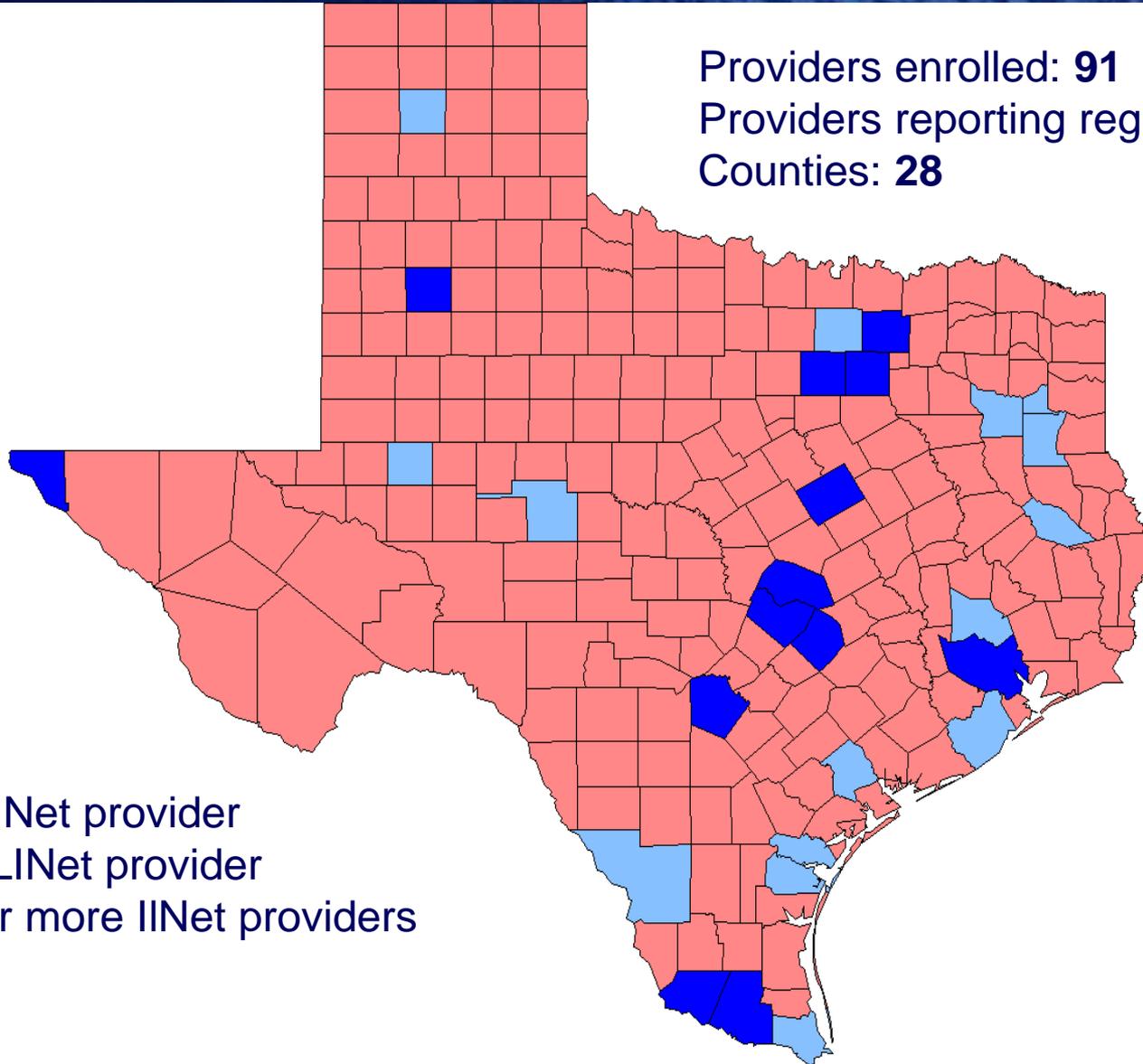
Opportunities: Professional association and contact.

Role of the LHDs and RHDs in recruiting ILINet Data provider

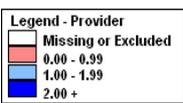


Where are the 2012-13 Providers are located?

Providers enrolled: **91**
Providers reporting regularly: **60**
Counties: **28**



Salmon: no ILINet provider
Light Blue: 1 ILINet provider
Dark Blue: 2 or more ILINet providers



2013 Recruiting Priorities by County

Top 4 Counties by Population w/ out ILINet provider

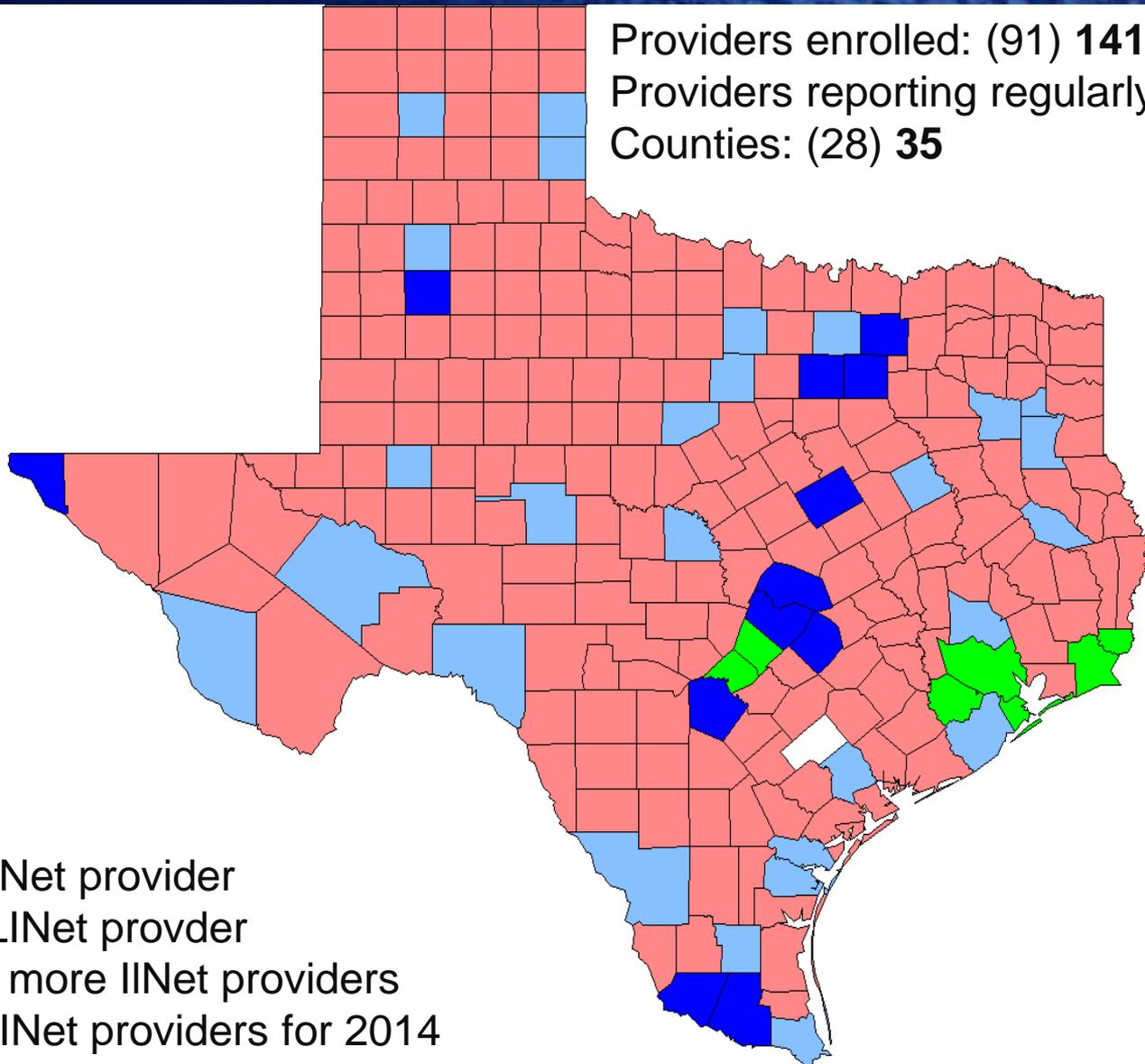
<u>County</u>	<u>HSR</u>	<u>Population</u>	<u>City</u>
Fort Bend	6/5S	606,953	Sugarland
Bell	7	315,196	Killeen
Galveston	6/5S	295,747	Galveston
Jefferson	6/5S	252,802	Beaumont

2014 Recruiting Priorities by County

Top 5 Counties by Population w/ out ILINet provider

<u>County</u>	<u>HSR</u>	<u>Population</u>	<u>City</u>
Fort Bend	6/5S	606,953	Sugarland
Bell	7	315,196	Killeen
Galveston	6/5S	295,747	Galveston
Jefferson	6/5S	252,802	Beaumont

Where 2014 Providers are located?



Providers enrolled: (91) **141**
Providers reporting regularly: (60) **108**
Counties: (28) **35**

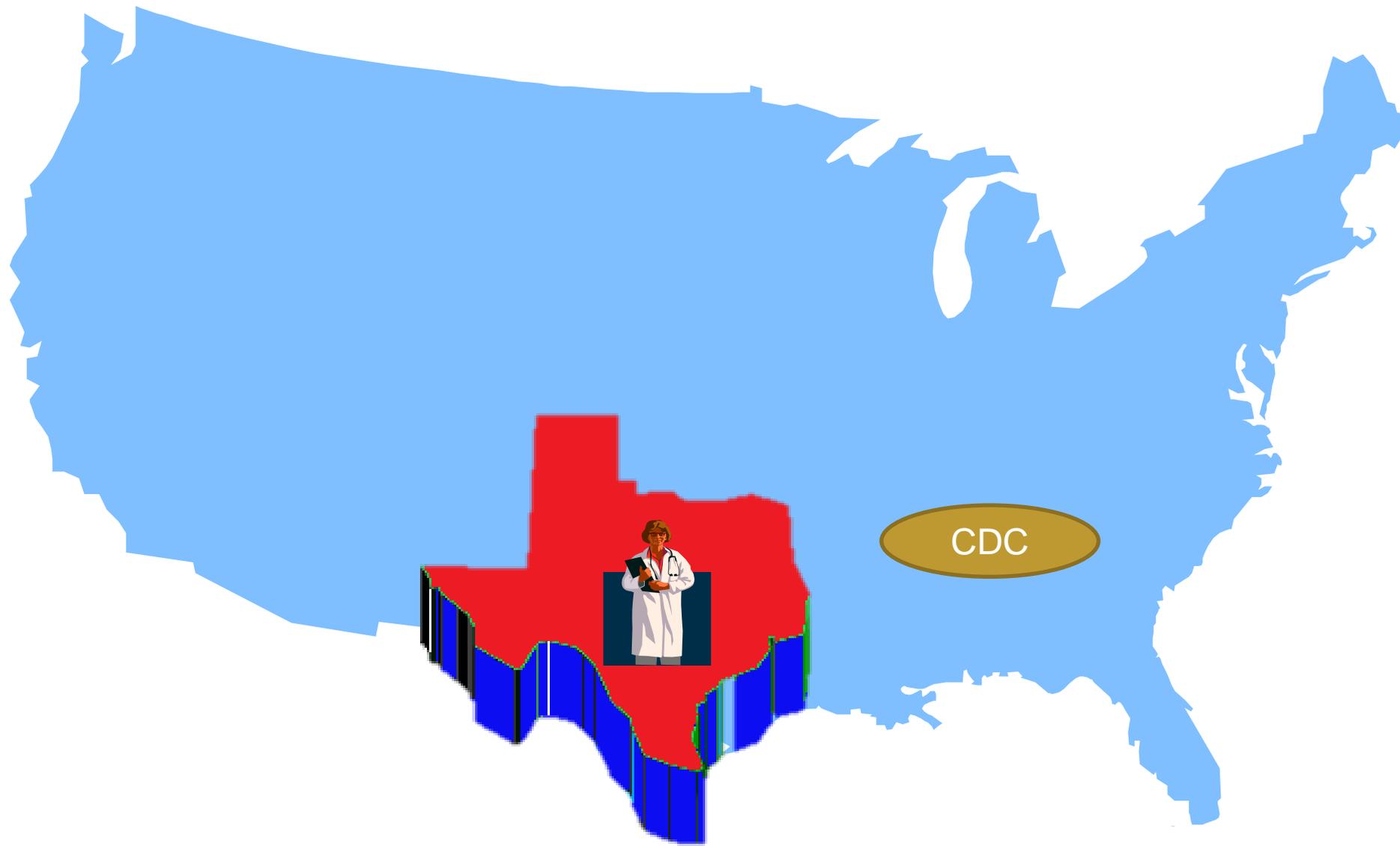
Salmon: no ILINet provider
Light Blue: 1 ILINet provder
Dark Blue: 2 or more IINet providers
Green: New ILINet providers for 2014

2014 Recruiting Priorities by County

Top 5 Counties by Population w/ out ILINet provider

<u>County</u>	<u>HSR</u>	<u>Population</u>	<u>City</u>
Bell	7	315,196	Killeen
Galveston	6/5S	295,747	Galveston
Brazos	7	197,632	College Station
Ellis	2/3	152,753	Mansfield
Johnson	2/3	152,734	Cleburne

How much does the ILINet depend Texas data?



Questions:

**Thank you for time
and your support.**

**Please contact with your ideas and
feedback at
FluTexas@Dshs.state.tx.us**