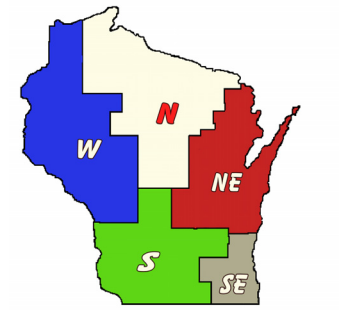


DEPARTMENT OF HEALTH SERVICES
DIVISION OF PUBLIC HEALTH

Weekly Surveillance Report
For the Week Ending July 10, 2010 (week 10-27)

AT A GLANCE

1. Predominant respiratory viruses in Wisconsin:
Parainfluenza and sporadic cases of Adenovirus, Rhinovirus and Enterovirus were identified this week.

2. Influenza-like illness activity in Wisconsin and five public health regions:

	Current Week 10-27	Previous Week 10-26
Wisconsin	Low	Low
Northeastern Region	Low	Low
Northern Region	Low	Low
Southeastern Region	Low	Low
Southern Region	Low	Low
Western Region	Low	Low

3. Influenza-like illness percentage:

	Current week 10-27	Baseline
United States		
Wisconsin	1.0%	1.6%
Region V (WI, MN, IL, MI, OH)	0.7%	1.7%

4. The Predictive Value Positive (PVP) for rapid influenza tests is: Low
(PVP is the probability of disease in a patient with a positive test result)

5. The Predictive Value Negative (PVN) for rapid influenza tests is: High
(PVN is the probability of not having disease when the test result is negative)

Use of the influenza rapid test to diagnose 2009 H1N1 is discouraged

6. CDC (Not updated during the summer)

Antiviral Resistance Testing Results on Samples Collected Since September 1, 2009.

	Viruses tested (n)	Resistant Viruses, Number (%) Oseltamivir	Viruses tested (n)	Resistant Viruses, Number (%) Zanamivir	Isolates tested (n)	Resistant Viruses, Number (%) Adamantanes
Seasonal Influenza A (H1N1)	1	1 (100.0)	0	0 (0)	1	0 (0)
Influenza A (H3N2)	13	0 (0)	0	0 (0)	14	14 (100.0)
Influenza B	23	0 (0)	0	0 (0)	N/A*	N/A*
2009 Influenza A (H1N1)	4,733	54†‡ (1.1)	1,819	0 (0)	1,830	1,826 (99.8)

7. Influenza-associated pediatric deaths (August 31, 2009-present) (Not updated during the summer)

	Current Week 10-19	2009-10 Season Total	Due to 2009 H1N1
United States	0	273	222
Wisconsin	0	4	4

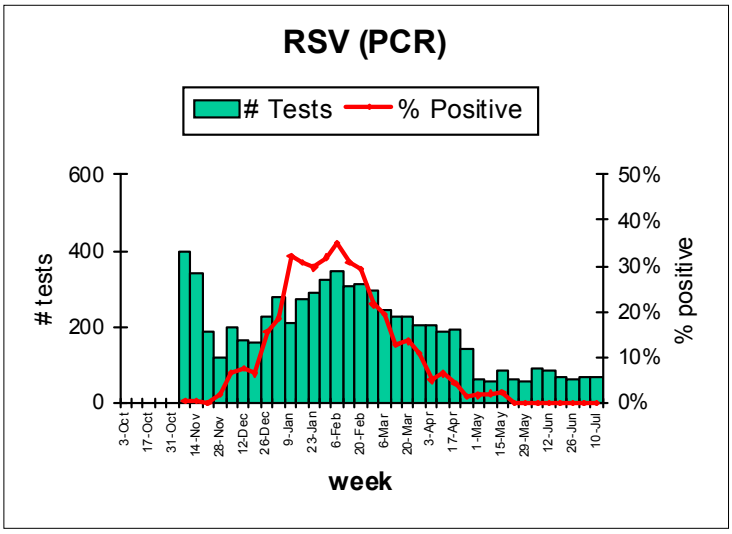
8. Pneumonia and influenza mortality (P&I), United States,

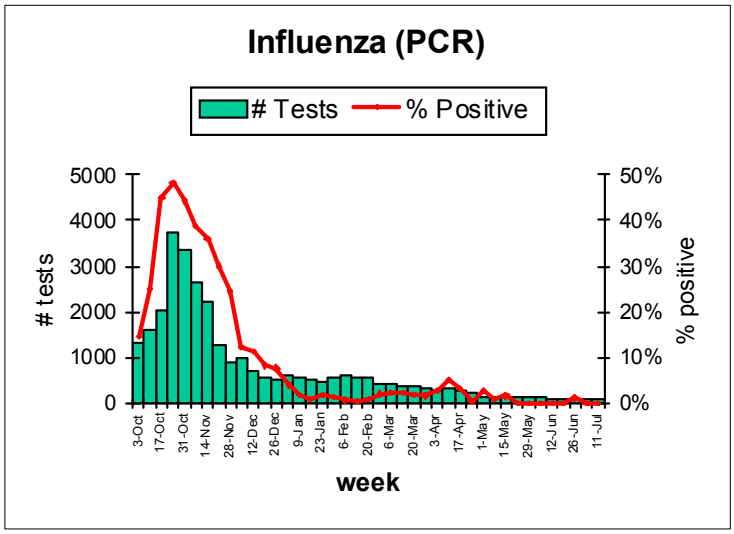
	Current Week 10-25	Previous Week 10-24
P&I %	6.2%	6.5%
National P&I threshold %		

WISCONSIN LABORATORY SURVEILLANCE
For Influenza and other Respiratory Viruses (week 10-27)

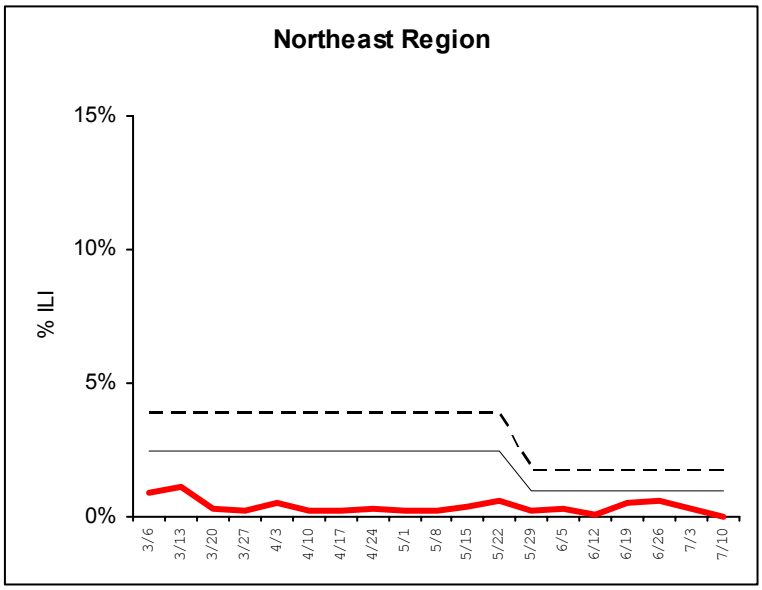
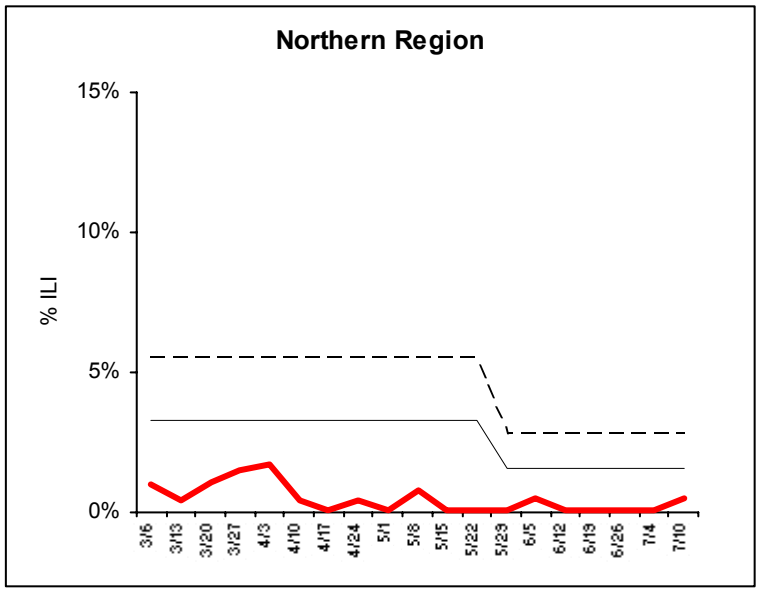
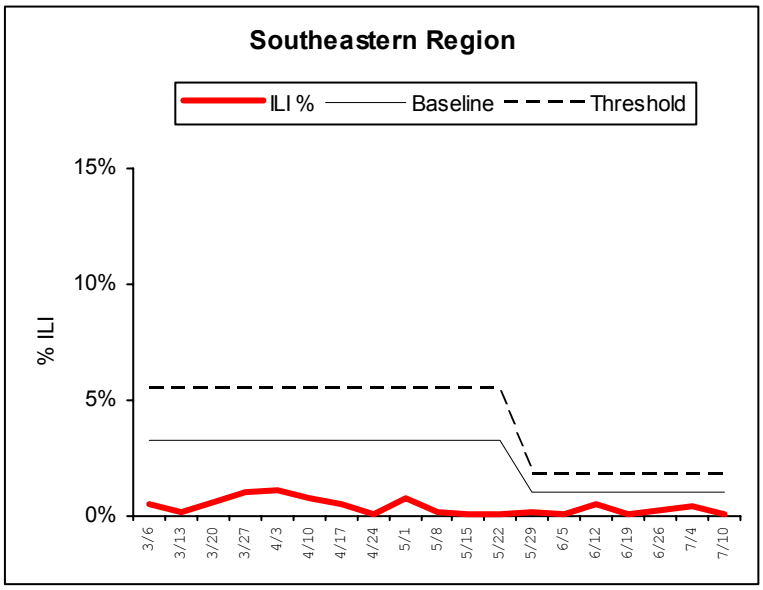
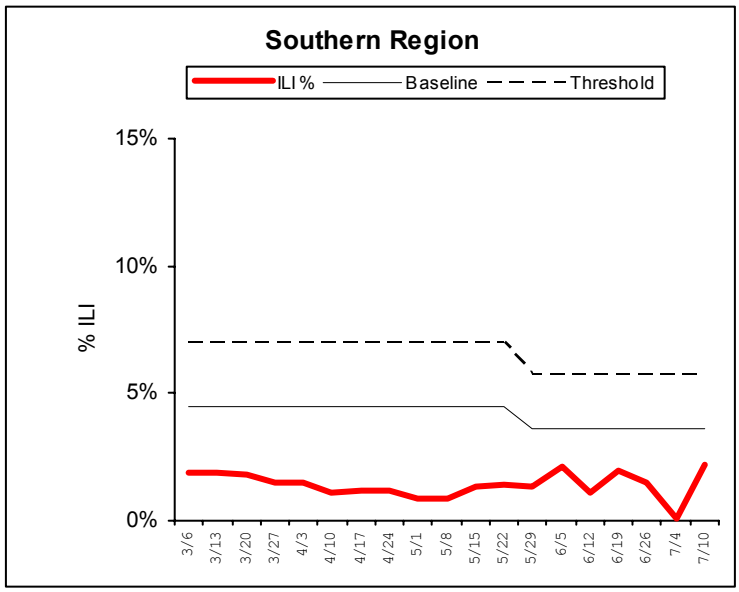
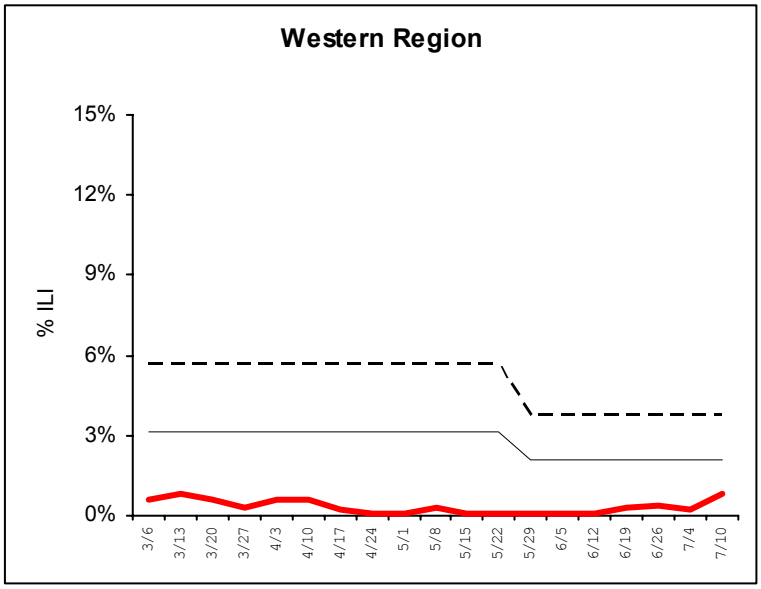
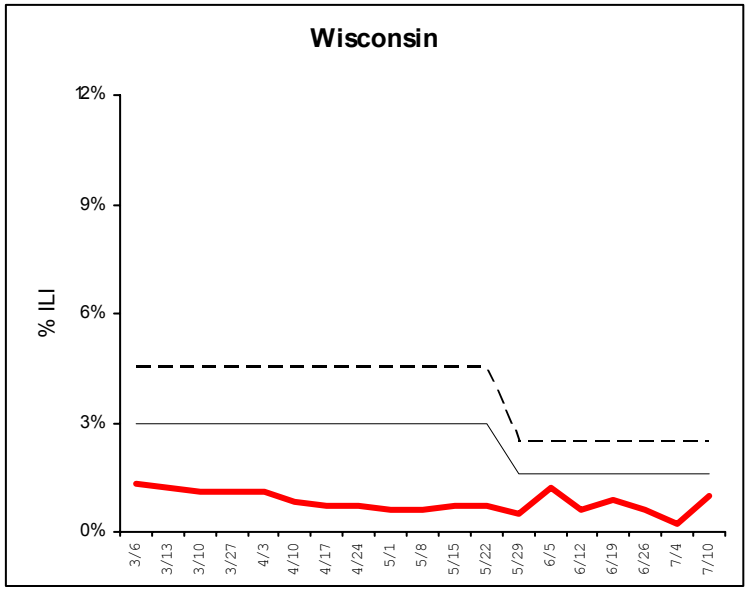
VIRUS CULTURE Based on 35 tests		RAPID TESTS			SELECT PCR TESTS	
Test Type	% Positive	Virus	# Tests	% Positive	Test Type	Positive/ total number
Total % Positive	2.9%					
Influenza (Tot.)	0.0%	Influenza (Tot)	33	0.0%	Influenza A & B	0/79
Influenza A	0.0%				Influenza A	0/0
Influenza B	0.0%	Influenza A		0.0%	# A/H1	0
					2009 A/H1	0
hMPV	0.0%	Influenza B		0.0%	# A/H3	1
					# A/not subtyped	0
		Influenza Unk.*		0.0%	# B	0
RSV	0.0%	RSV	15	6.6.%	RSV	0/68
Adenovirus	0.0%	Adenovirus	3	0.0%	Adenovirus	2/34
Parainfluenza	2.9%				Parainfluenza	3/58
					Corona OC43	0/32
Rhinovirus	0.0%	*Influenza unknown (Unk) are positive influenza test results that cannot be distinguished between Type A and B			Corona NL63	0/32
					Corona HUK1	0/32
Enterovirus	0.0%				Corona 229 E	0/32
					Rhinovirus/entero	3/34
hMPV	0.0%				hMPV	0/34

WISCONSIN TREND, RSV AND INFLUENZA PCR POSITIVE TESTS





INFLUENZA-LIKE ILLNESS DATA (CHART) BY REGION

Source: US Outpatient Influenza-like Illness Surveillance Network (ILINet)

ILI % — Baseline % — Threshold %