DEPARTMENT OF HEALTH SERVICES
DIVISION OF PUBLIC HEALTH

Weekly Surveillance Report
For the Week Ending August 21, 2010 (week 10-33)

AT A GLANCE

1. **Predominant respiratory viruses in Wisconsin:**
   This week One (1) case of rhino was identified

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

	Current Week 10-33	Previous Week 10-32
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 10-33	Baseline
United States		
Wisconsin	0.4%	1.6%
Region V (WI, MN, IL, MI, OH)	0.4%	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

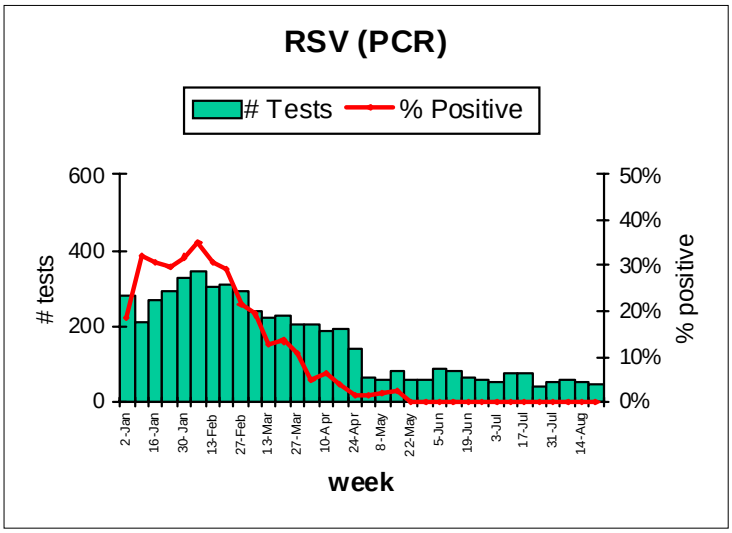
8. **Pneumonia and influenza mortality (P&I), United States**,

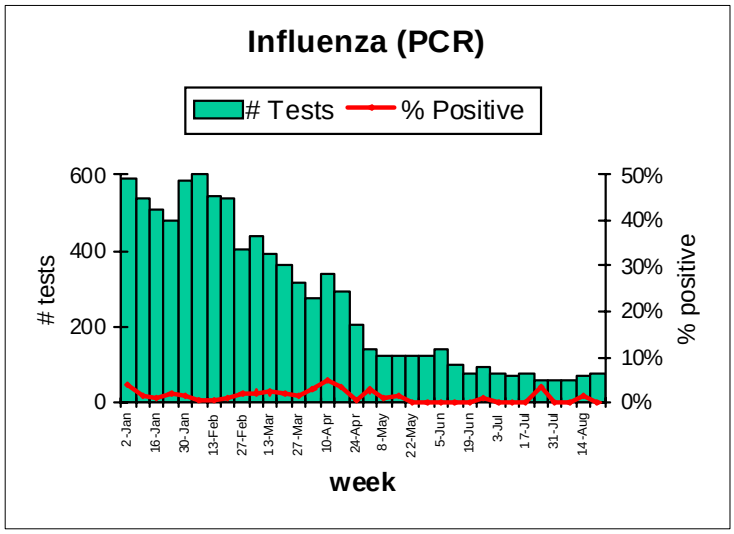
	Current Week 10-33	Previous Week 10-32
P&I %	6.0%	6.0%
National P&I threshold %		

WISCONSIN LABORATORY SURVEILLANCE
For Influenza and other Respiratory Viruses (week 10-33)

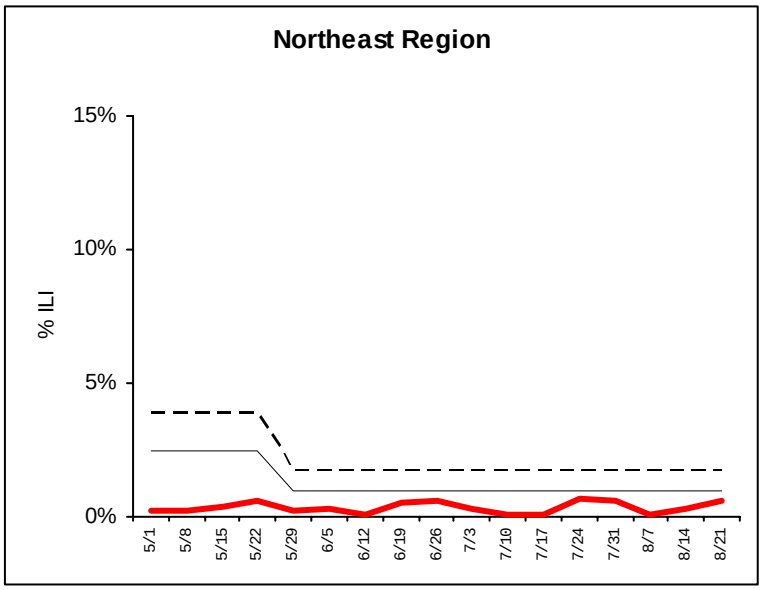
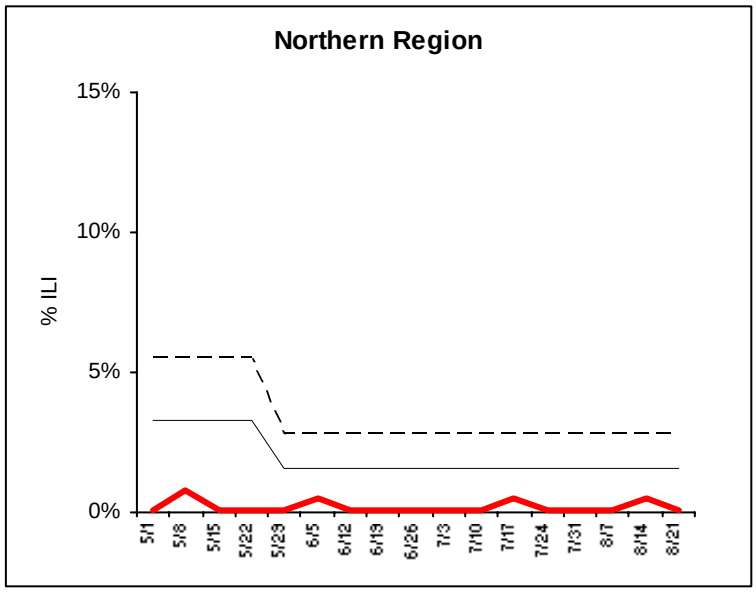
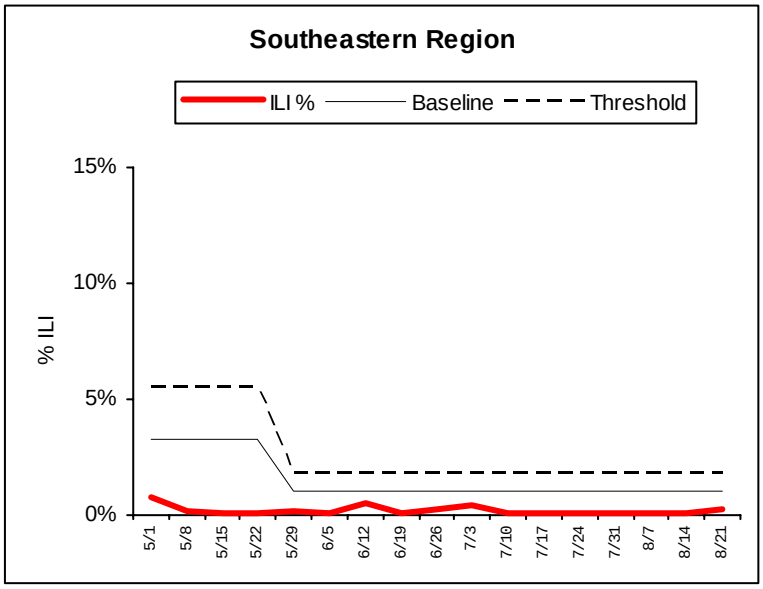
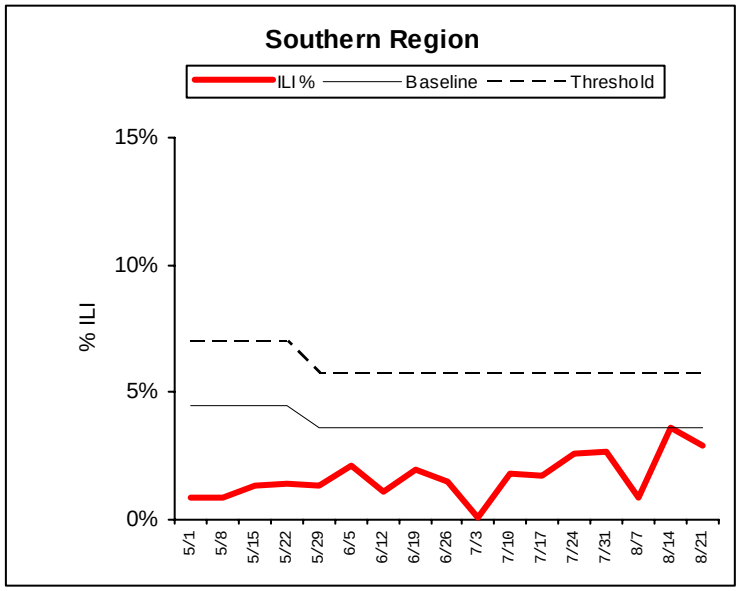
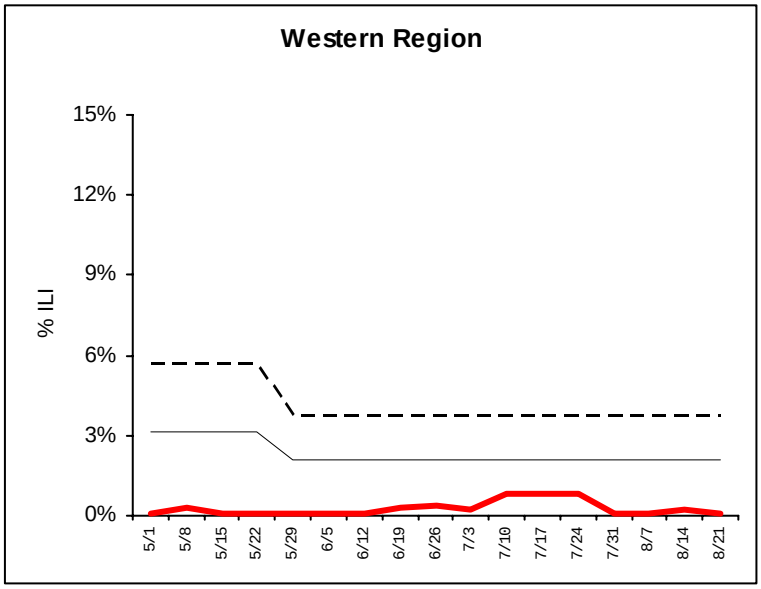
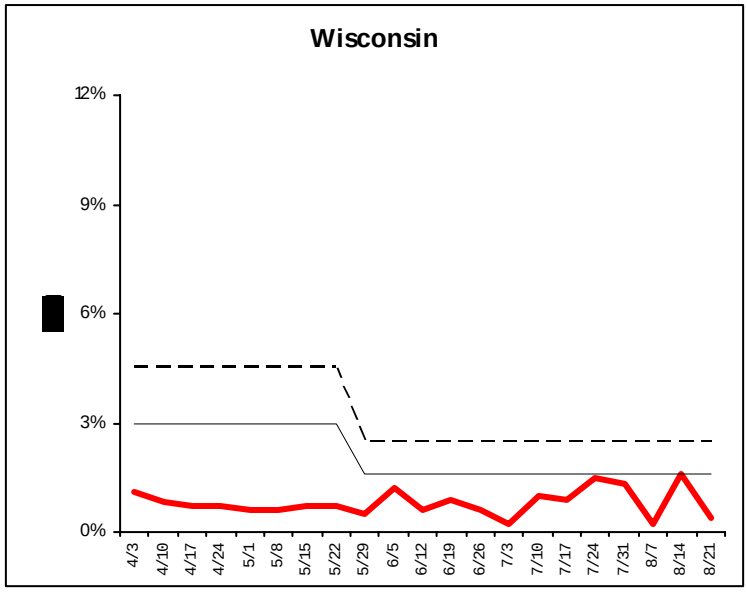
VIRUS CULTURE Based on 38 tests		RAPID TESTS			SELECT PCR TESTS	
Test Type	% Positive	Virus	# Tests	% Positive	Test Type	Positive/ total number
Total % Positive	0.0%					
Influenza (Tot.)	0.0%	Influenza (Tot)	30	0.0%	Influenza A & B	0/74
Influenza A	0.0%				Influenza A	0/1
Influenza B	0.0%	Influenza A		0.0%	# A/H1	0
					2009 A/H1	0
hMPV	0.0%	Influenza B		0.0%	# A/H3	0
					# A/not subtyped	0
		Influenza Unk.*		0.0%	# B	2
RSV	0.0%	RSV	13	0.0.%	RSV	0/48
Adenovirus	0.0%	Adenovirus	1	0.0%	Adenovirus	0/4
Parainfluenza	0.0%				Parainfluenza	0/36
					Corona OC43	0/4
Rhinovirus	0.0%	*Influenza unknown (Unk) are positive influenza test results that cannot be distinguished between Type A and B			Corona NL63	0/4
					Corona HUK1	0/4
Enterovirus	0.0%				Corona 229 E	0/4
					Rhinovirus/entero	1/4
hMPV	0.0%				hMPV	0/8

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 %