DEPARTMENT OF HEALTH SERVICES
DIVISION OF PUBLIC HEALTH

Weekly Surveillance Report
For the Week Ending May 29, 2010 (week 10-21)

AT A GLANCE

1. **Predominant respiratory viruses in Wisconsin:**
   Sporadic cases of Parainfluenza and Rhinovirus were identified this week.

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

	Current Week 10-21	Previous Week 10-20
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 10-21	Baseline
United States	0.1%	2.3%
Wisconsin	0.1%	3.1%
Region V (WI, MN, IL, MI, OH)	1.0%	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**

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)**

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

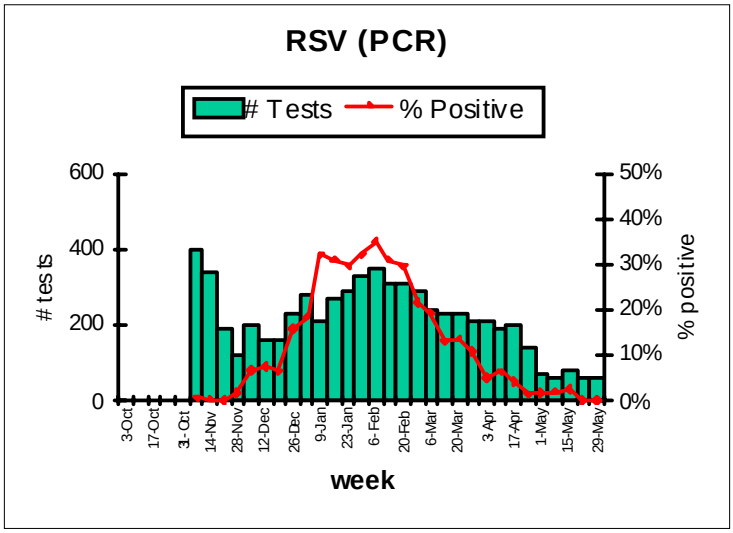
8. **Pneumonia and influenza mortality (P&I), United States**

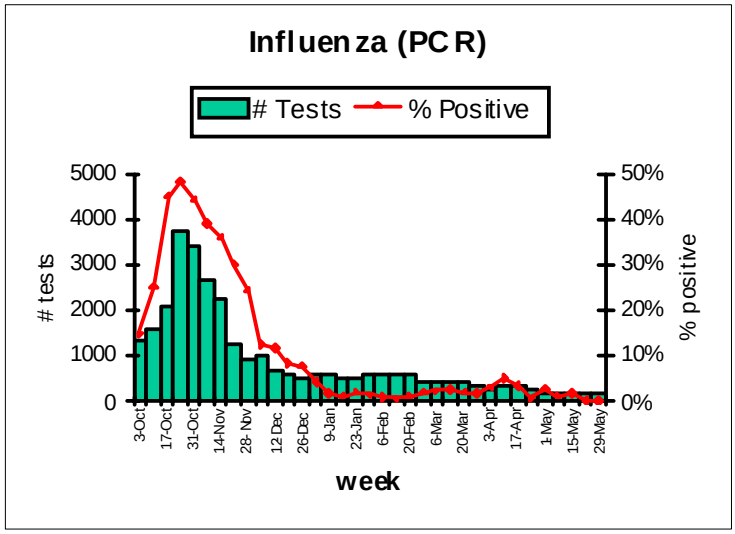
	Current Week 10-19	Previous Week 10-18
P&I %	7.1%	6.8%
National P&I threshold %	7.3%	7.4%

WISCONSIN LABORATORY SURVEILLANCE
For Influenza and other Respiratory Viruses (week 10-21)

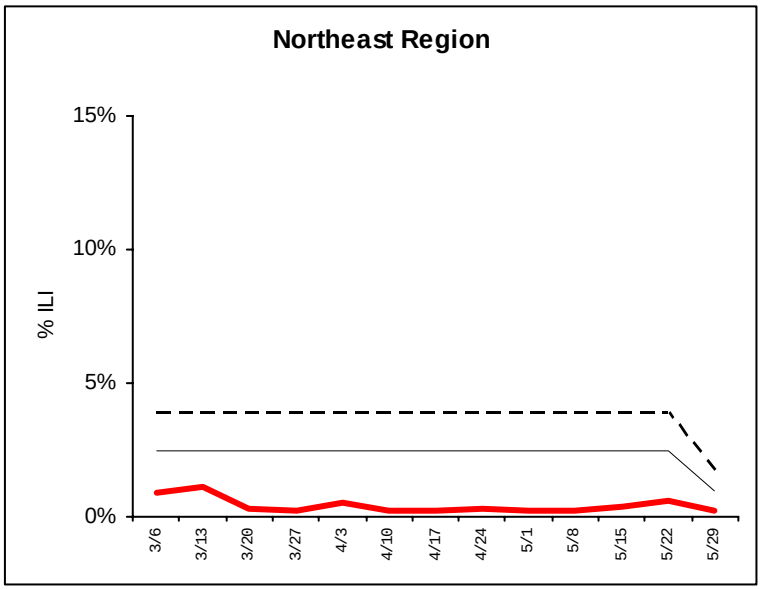
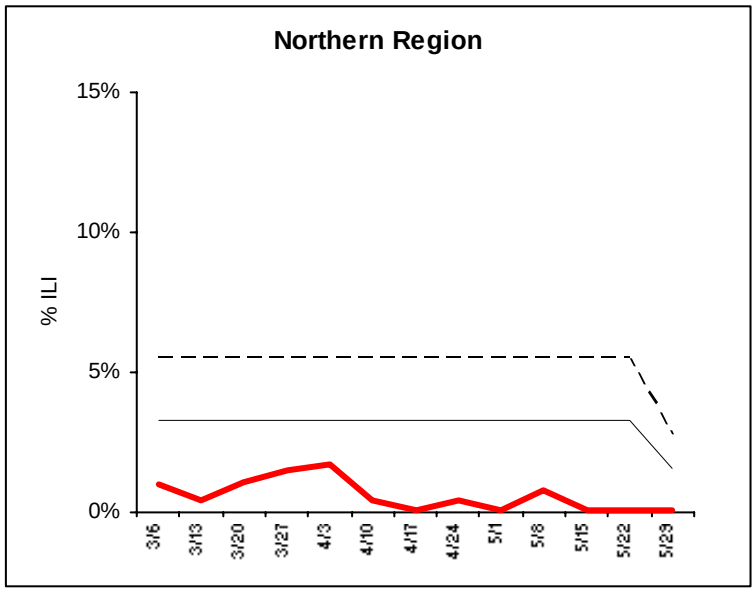
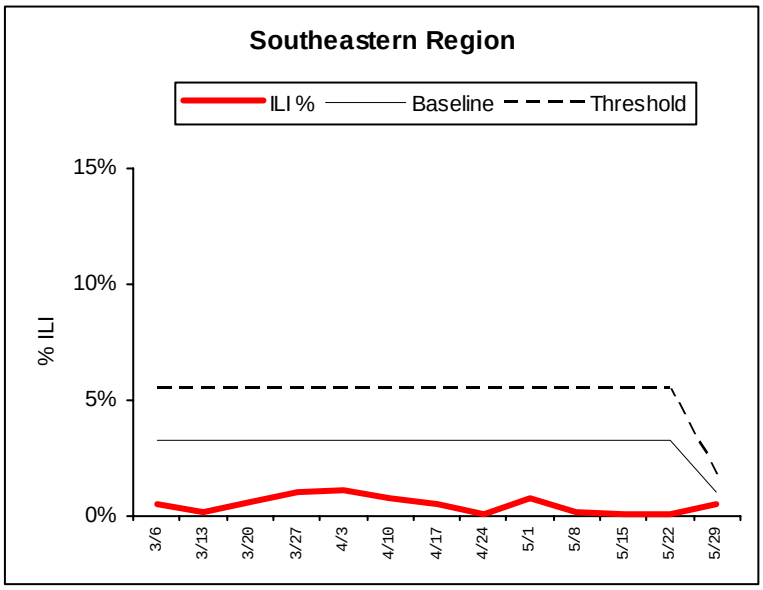
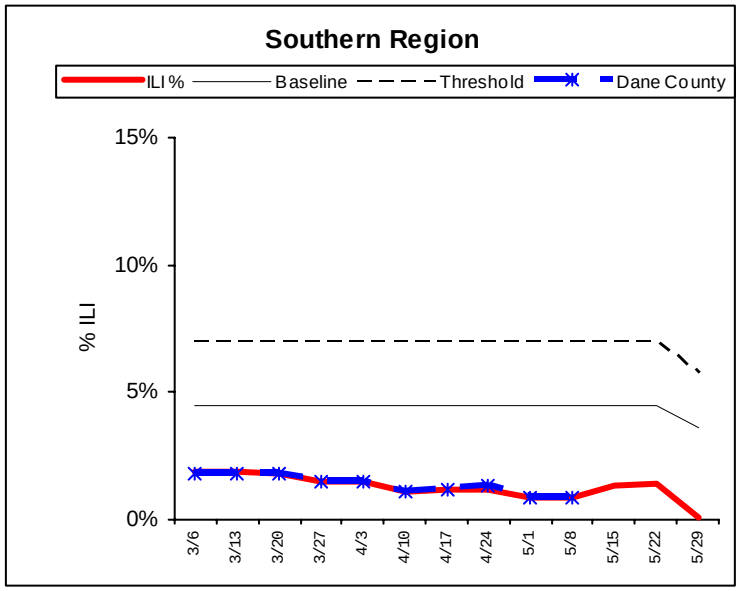
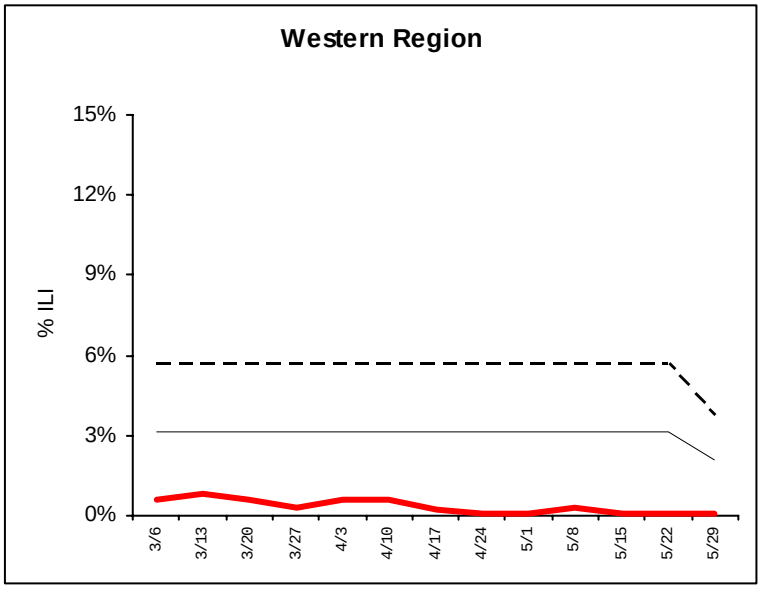
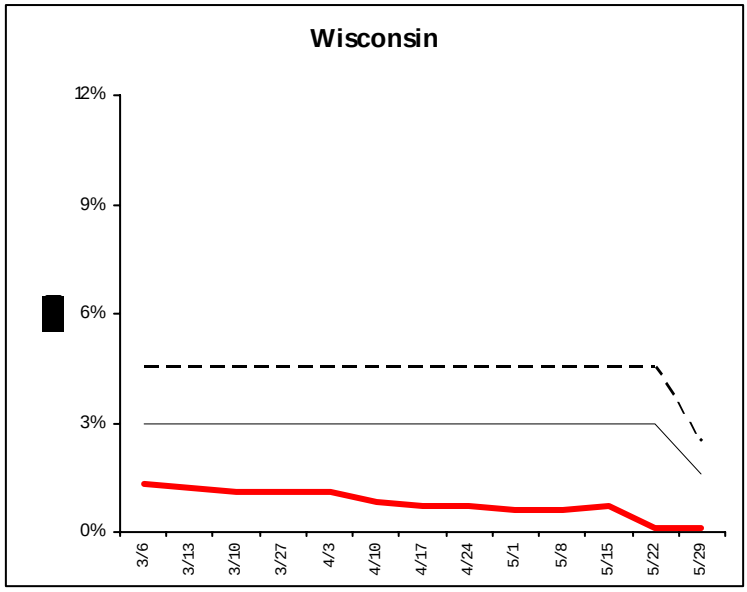
VIRUS CULTURE Based on 50 tests		RAPID TESTS			SELECT PCR TESTS	
Test Type	% Positive	Virus	# Tests	% Positive	Test Type	Positive/ total number
Total % Positive	0.0%					
Influenza (Tot.)	0.0%	Influenza (Tot)	53	0.0%	Influenza A & B	0/121
Influenza A	0.0%				Influenza A	0/2
Influenza B	0.0%	Influenza A		0.0%	# A/H1	0
					2009 A/H1	0
hMPV	0.0%	Influenza B		0.0%	# A/H3	0
					# A/not subtyped	2
		Influenza Unk.*		0.0%	# B	0
RSV	0.0%	RSV	33	3.0.%	RSV	0/58
Adenovirus	0.0%	Adenovirus	8	0.0%	Adenovirus	0/20
Parainfluenza	0.0%				Parainfluenza	4/50
					Corona OC43	0/19
Rhinovirus	0.0%	*Influenza unknown (Unk) are positive influenza test results that cannot be distinguished between Type A and B			Corona NL63	0/19
					Corona HUK1	0/19
Enterovirus	0.0%				Corona 229 E	0/19
					Rhinovirus/entero	5/20
hMPV	0.0%				hMPV	0/20

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 %