

New Jersey Department of Health and Senior Services



Communicable Disease Service

Respiratory Virus Surveillance Report¹ Week ending December 31, 2011 (MMWR week 52)

SYNOPSIS

Influenza Activity Level ²						
State Activit	ty Week Ending 12/24:	Busines (Fair				
	LOW	Mary Ban				
Current v	veek last year: LOW	Hunter legt John Man				
Re	egional ³ Data	Course of				
Northwest	LOW	Control				
Northeast	LOW	Salerro				
Central West	LOW	Cumberland Capp				
Central East	LOW					
South	LOW					

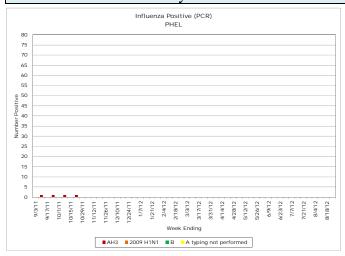
ILI Activity ⁴					
	P	Baselines			
	Current week (range by county)	Last week Current year	Current week Last year	Non-season ⁵ Season ⁶ (3 low, 3 high)	
Long Term Care Facilities	0.41 (0, 1.81)	0.48	0.43	0.64 (0.66, 0.89)	
Schools (absenteeism)	CLOSED	5.13	CLOSED	4.32 (4.86, 5.21)	
Emergency Departments	3.88 (0, 5.39)	3.51	4.36	2.68 (3.37, 3.89)	

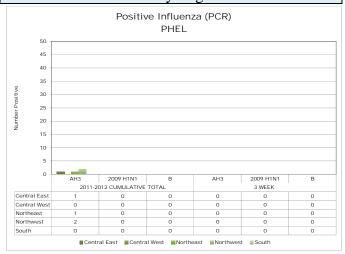
Viral Activity ⁷						
Current Past 3 Cumulative Week Weeks Total						
Influenza H1N1 (2009)	0	0	0			
Influenza H3N2	0	0	4			
Influenza B	0	0	1			
Respiratory Synctial Virus (RSV)	209	464	913			

Report also available at: http://nj.gov/health/flu/fluinfo.shtml

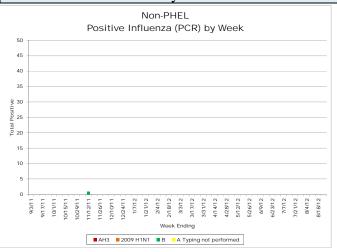
Virologic Surveillance⁷

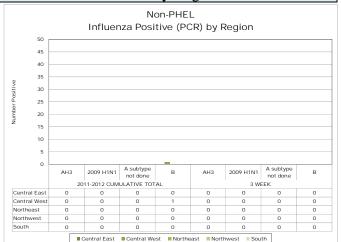
NJ Public Health and Environmental Laboratory (PHEL) Influenza Positive (PCR) Result by Week Result by Region³



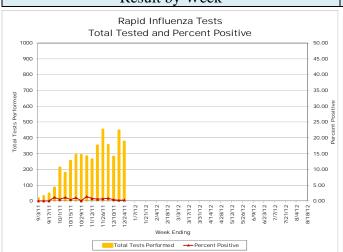


Influenza Positive (PCR) – Commercial/Acute Care Laboratories Result by Week Result by Region³

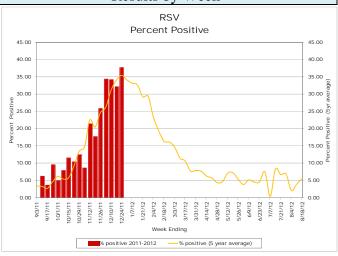




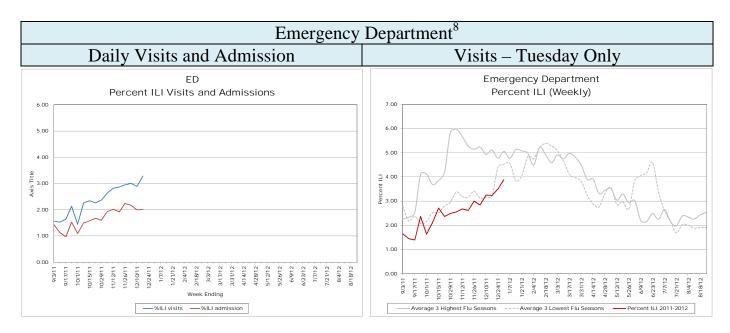
Influenza Rapid Antigen Result by Week

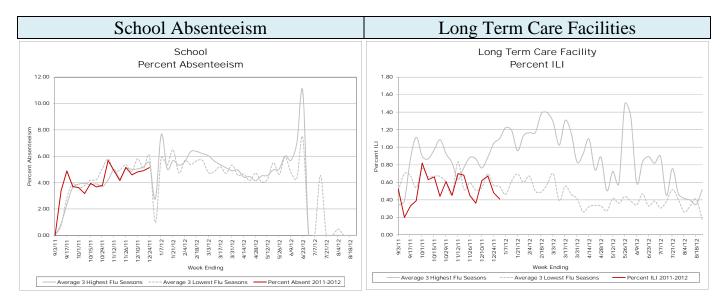


Respiratory Syncytial Virus (RSV) Results by Week



Influenza-like Illness Surveillance

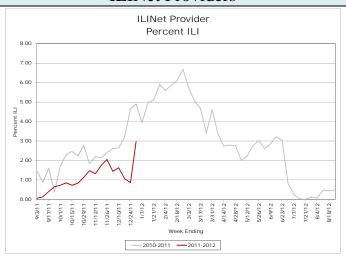




Respiratory Outbreaks in Long Term Care Facilities⁹

Cumulative outbreaks 2011-2012 season	2
No. outbreaks last 3 weeks	0
Regions with recent outbreaks	N/A

ILINet Providers



Additional Information

A second report containing information about age specific illness, hospitalization and deaths will be produced on a monthly basis or as needed when important information needs to be disseminated. For additional information regarding influenza surveillance please visit the following websites. http://nj.gov/health/flu/surveillance.shtml http://www.cdc.gov/flu/

Footnotes:

- 1. This report represents activity occurring in New Jersey related to influenza and RSV. In addition, reports of other circulating respiratory viruses will be included when available.
- 2. Activity levels for the state and region are defined in Table 1 and 2 at the end of this document.
- 3. The following is a breakdown of counties contained within each public health region: Northwest: Morris, Passaic, Sussex, Warren; Northeast: Bergen, Essex, Hudson; Central west: Hunterdon, Mercer, Somerset; Central East: Middlesex, Monmouth, Ocean, Union; South: Atlantic, Burlington, Camden, Cape May, Salem, Cumberland, Gloucester
- 4. Influenza-like illness (ILI) is defined as fever (> 100°F [37.8°C], oral or equivalent) and cough and/or sore throat (in the absence of a known cause other than influenza). For long term care facilities, fever is defined as 2° above baseline temperature.
- 5. Non-season baseline is calculated by taking the average of statewide percentages of ILI for a 6 year (2006, 2007, 2008, 2009, 2010, 2011) period during months when influenza is less likely to be circulating (May-August).
- 6. Three year seasonal averages are determined by calculating the average percent ILI/absenteeism for each influenza season (October to May). These averages are ranked and the three highest and lowest overall season averages were selected. The three highest and lowest numbers were then averaged to obtain a single high and single low value. The season which contribute to the high and low value vary by entity type and are as follows: LTCF (High: 05-06, 06-07, 07-08; Low: 08-09, 09-10, 10-11), ED (High: 05-06, 06-07, 09-10; Low: 07-08, 08-09, 10-11) and schools (High: 06-07, 07-08, 08-09; Low: 05-06, 09-10, 10-11). A week by week average was also calculated using the average of the seasons listed above for each entity type.
- 7. Viral activity: Real-time polymerase chain reaction (PCR) results are obtained from electronic laboratory transmission submitted by acute care, commercial and public health laboratories to CDRSS. Rapid influenza test data and respiratory syncytial virus data are acquired from facilities reporting rapid influenza tests via the National Respiratory and Enteric Virus Surveillance System (NREVSS) or CDRSS ILI module. Counts for cumulative totals begin with week ending October 8, 2011. Three week count data includes current week and two prior weeks. Data presented for RSV and rapid influenza testing represent information for the week prior to the current report week.
- 8. Daily visits and admission associated with ILI from emergency department data is collected via EpiCenter and Hippocrates. Prior to these systems, data on ILI visits were only recorded one day per week usually on Tuesday. This system is maintained as a large amount of historical data allows for better seasonal comparisons.
- 9. Only LTCF outbreaks reported to NJDHSS that received an outbreak number are recorded in this report.

<u>Table 1</u> Influenza Activity Level – Definitions for State Activity								
NJ Level	CSTE Level	Definition						
		ILI Activity/Outbreaks		Lab Activity				
	No Activity	ILI activity at or below baseline AND no detected outbreaks	AND	No lab confirmed cases				
Low	Sporadic	Low ILI activity detected OR one lab confirmed outbreaks anywhere in the state	AND	Sporadic isolation of laboratory confirmed influenza				
	Local	Increase in ILI activity OR two or more lab confirmed outbreaks in one public health region (Other regions not experiencing increased ILI activity)	AND	Recent (within 3 weeks) laboratory activity in the region with increased ILI				
Moderate	Regional	Increase in ILI activity OR two or more lab confirmed outbreaks in at least 2 public health regions (Other regions not experiencing increased ILI activity)	AND	Recent (within 3 weeks) laboratory activity in the region with increased ILI				
High	Widespread	Increase in ILI activity OR two or more lab confirmed outbreaks in > 2 public health regions	AND	Recent (within 3 weeks) laboratory activity in the region with increased ILI				

<u>Table 2</u> Influenza Activity Level – Definitions for Public Health Regions						
NI Level Definition						
NJ Level	ILI Activity/Outbreaks		Lab Activity			
Low	Low ILI activity detected OR one lab confirmed outbreaks anywhere in the region	AND	Sporadic isolation of laboratory confirmed influenza anywhere in the region			
Moderate	Increased ILI activity in less than half of the counties in the region OR two lab confirmed outbreaks in the public health region	AND	Recent (within 3 weeks) laboratory activity in same counties of the region with increased ILI			
High	Increased ILI activity in more than half of the counties in the region OR three or more lab confirmed outbreaks in the region	AND	Recent (within 3 weeks) laboratory activity in more than half of the counties in the region with increased ILI			

Notes:

ILI activity: Systems used to detect increases in ILI activity include: ILINet (i.e., sentinel providers), school absenteeism data, ED ILI visits and admission collected via Hippocrates and EpiCenter systems, LTCF ILI data, LTCF outbreak data, and information on influenza mortality (122 city, influenza associated death report).

Lab Activity: Virologic surveillance data from PHEL will be used as the primary data source for the above levels. However, rapid influenza test data and commercial laboratory data will also be considered when determining the appropriate activity levels.

Communicable Disease Reporting and Surveillance System

NJ ACTIVE INFLUENZA-LIKE ILLNESS SURVEILLANCE STATISTICS SURVEILLANCE DATE: 12/27/2011 to



1/3/2012 11:31:39AM

	Long Term Care			Schools			Hospital Emergency Department		
County	# Enrolled	# Reports Rec'd	% ILI	# Enrolled	# Reports Rec'd	% Absent	# Enrolled	# Reports Rec'd	% ILI
December, 27, 2011 12:00 AM MI	MRW WEEK 52								
ATLANTIC	3	1	1.81	13	0	0.00	5	4	0.21
BERGEN	6	5	0.13	38	0	0.00	5	5	5.39
BURLINGTON	6	0	0.00	115	0	0.00	3	3	3.89
CAMDEN	5	0	0.00	17	0	0.00	7	6	4.33
CAPE MAY	7	2	0.97	11	0	0.00	1	1	3.25
CUMBERLAND	2	0	0.00	11	0	0.00	3	3	3.95
ESSEX	25	2	0.00	47	0	0.00	11	8	4.23
GLOUCESTER	5	4	0.25	6	0	0.00	2	1	0.54
HUDSON	16	3	0.20	86	0	0.00	6	5	3.88
HUNTERDON	4	3	0.57	8	0	0.00	1	1	5.06
MERCER	11	0	0.00	26	0	0.00	6	5	7.72
MIDDLESEX	17	7	0.25	26	0	0.00	5	5	5.13
MONMOUTH	15	0	0.00	26	0	0.00	5	5	4.88
MORRIS	4	0	0.00	5	0	0.00	4	4	1.31
OCEAN	12	2	0.89	56	0	0.00	4	3	4.09
PASSAIC	9	3	0.46	31	0	0.00	3	2	3.79
SALEM	2	0	0.00	5	0	0.00	1	1	0.00
SOMERSET	6	2	1.09	87	0	0.00	2	1	3.82
SUSSEX	5	5	0.71	23	0	0.00	2	1	0.00
UNION	4	1	0.00	195	0	0.00	5	5	1.48
WARREN	4	3	0.00	25	0	0.00	2	1	0.00
NW Region	22	11	0.52	84	0	0.00	11	8	2.24
NE Region	47	10	0.13	171	0	0.00	22	18	4.49
CW Region	21	5	0.80	121	0	0.00	9	7	6.57
CE Region	48	10	0.33	303	0	0.00	19	18	4.11
South Region	30	7 43	0.78	178	0	0.00	22 83	19 70	2.99
State Total	168	43	0.41	857	0	0.00	83	/0	3.88

User Name: MCHUGH, LISA Page 1 of 1

NJ ACTIVE INFLUENZA-LIKE ILLNESS SURVEILLANCE STATISTICS SURVEILLANCE DATE: 12/27/2011



1/3/2012 8:59:55AM

Pin Tests						9 SENIOR SERVICES
December, 27, 2011 12:00 AM MIRW WERK 25		RSV Tests		Flu Tests		
December, 27, 2011 12:00 AM MIRW WERK 25						
December, 27, 2011 12:00 AM MIRW WERK 25						
ATLANTIC 8 21 0 16 BERGEN 38 139 0 40 BURLINGTON 21 32 0 44 CAMDEN 3 15 0 28 CAPE MAY 0 0 0 0 0 ESSEX 31 53 0 62 GLOUESTER 7 30 0 34 HUDSON 11 37 0 0 HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 0 CEAN 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	County	# Positive	Total Tests Performed	# Positive	Total Tests Performed	
ATLANTIC 8 21 0 16 BERGEN 38 139 0 40 BURLINGTON 21 32 0 44 CAMDEN 3 15 0 28 CAPE MAY 0 0 0 0 0 ESSEX 31 53 0 62 GLOUESTER 7 30 0 34 HUDSON 11 37 0 0 HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 0 CEAN 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 0 0 SALEM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	December, 27, 2011 12:00 AM M	MRW WEEK:	52			
BURLINGTON 21 32 0 44 CAMDEN 3 15 0 28 CAPE MAY 0 0 0 0 CUMBERLAND 0 0 0 0 ESSEX 31 53 0 62 GLOUCESTER 7 30 0 34 HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 0 0				0	16	
CAMDEN 3 15 0 28 CAPE MAY 0 0 0 0 CUMBERLAND 0 0 0 0 ESSEX 31 53 0 62 GLOUCESTER 7 30 0 34 HUNDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 1 WAREN 0 0 0 0 NW Region 1 11 0 <	BERGEN	38	139	0	40	
CAPE MAY 0 0 0 0 CUMBERLAND 0 0 0 0 ESSEX 31 53 0 62 GLOUCESTER 7 30 0 34 HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 WARREN 0 0 0 0 WB Region 80 229 0 102 CE Region 76 201 0 <td>BURLINGTON</td> <td>21</td> <td>32</td> <td>0</td> <td>44</td> <td></td>	BURLINGTON	21	32	0	44	
CUMBERLAND 0 0 0 0 ESSEX 31 53 0 62 GLOUCESTER 7 30 0 34 HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MORNIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 WAREN 0 0 0 0 WR Region 1 11 0 15 NW Region 13 22 1 36 CE Region 76 201 0	CAMDEN	3	15	0	28	
ESSEX 31 53 0 62 GLOUCESTER 7 30 0 34 HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 VW Region 13 22 1 36 CE Region 76 201 0	CAPE MAY	0	0	0	0	
GLOUCESTER 7 30 0 34	CUMBERLAND	0	0	0	0	
HUDSON 11 37 0 0 HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 1 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 76 201	ESSEX	31	53	0	62	
HUNTERDON 13 22 1 31 MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 1 0 0 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0<	GLOUCESTER	7	30	0	34	
MERCER 0 0 0 5 MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	HUDSON	11	37	0	0	
MIDDLESEX 57 140 0 76 MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 OW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	HUNTERDON	13	22	1	31	
MONMOUTH 19 50 0 23 MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 OW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	MERCER	0	0	0	5	
MORRIS 0 0 0 0 OCEAN 0 0 0 0 PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	MIDDLESEX	57	140	0	76	
OCEAN 0 0 0 PASSAIC 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	MONMOUTH	19	50	0	23	
PASSAIC 0 0 0 0 SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	MORRIS	0	0	0	0	
SALEM 0 0 0 0 SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	OCEAN	0	0	0	0	
SOMERSET 0 0 0 0 SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	PASSAIC	0	0	0	0	
SUSSEX 1 11 0 15 UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	SALEM	0	0	0	0	
UNION 0 11 0 1 WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	SOMERSET	0	0	0	0	
WARREN 0 0 0 0 NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	SUSSEX	1	11	0	15	
NW Region 1 11 0 15 NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	UNION	0	11	0	1	
NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	WARREN	0	0	0	0	
NE Region 80 229 0 102 CW Region 13 22 1 36 CE Region 76 201 0 100 South Region 39 98 0 122	NW Region	1	11	0	15	
CE Region 76 201 0 100 South Region 39 98 0 122	NE Region		229	0	102	
South Region 39 98 0 122				I		
				I		
	Zinio z vini					