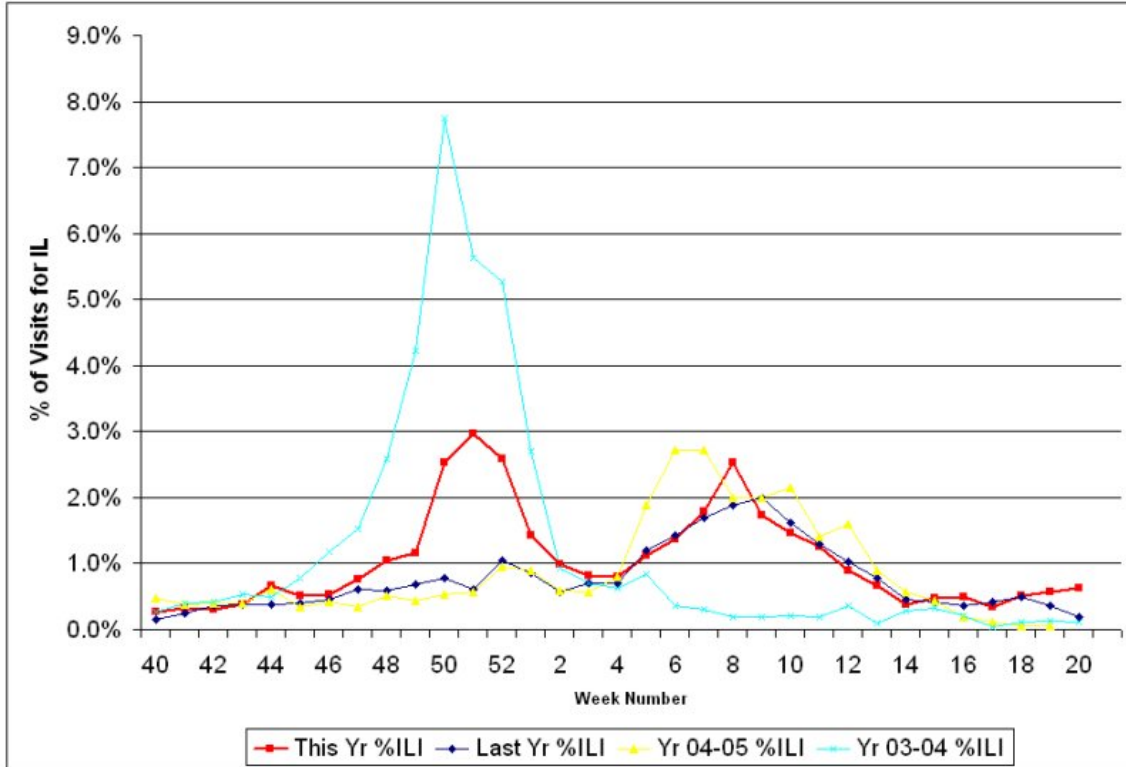


**North Carolina Influenza Update**  
**Final Weekly Statistical Report for 2006-2007 Flu Season**  
**May 24, 2007**

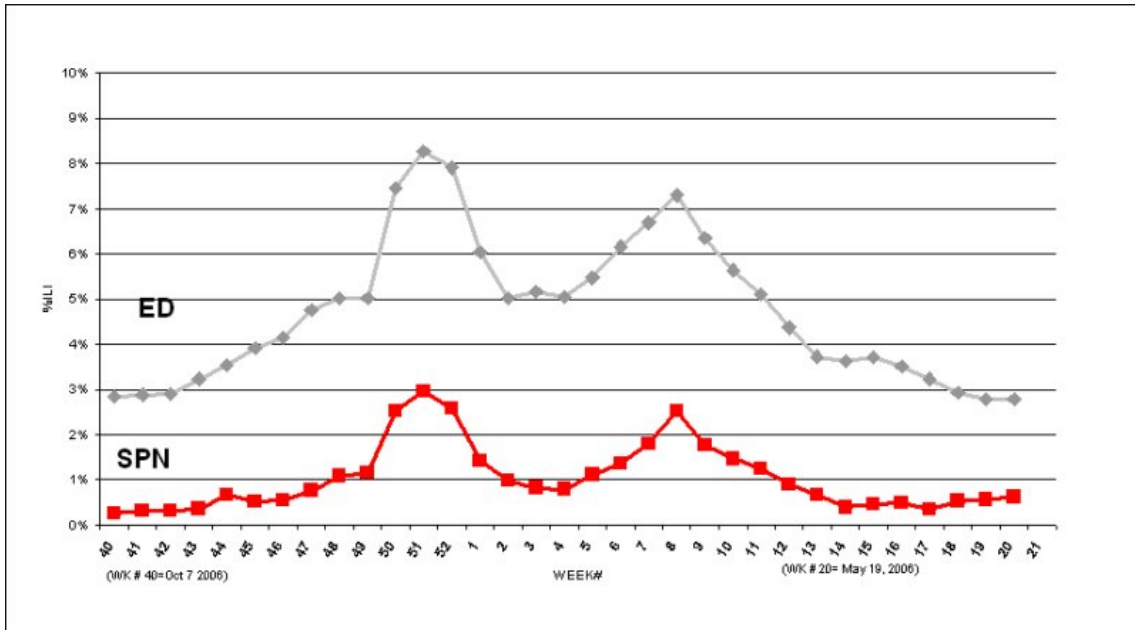
**I. Influenza-Like Illnesses Reported by N.C. Sentinel Sites**

<b>Week Number</b>	<b>Ending</b>	<b>Number ILI</b>	<b>Patient Visits</b>	<b>Percent ILI</b>
40	10/7/2006	49	18,344	0.26%
41	10/14/2006	63	19,460	0.32%
42	10/21/2006	61	19,584	0.31%
43	10/28/2006	87	22,865	0.38%
44	11/4/2006	172	25,913	0.66%
45	11/11/2006	129	24,976	0.51%
46	11/18/2006	109	20,182	0.54%
47	11/25/2006	135	17,624	0.76%
48	12/2/2006	280	26,940	1.03%
49	12/9/2006	277	23,680	1.16%
50	12/16/2006	556	21,899	2.53%
51	12/23/2006	530	17,907	2.95%
52	12/30/2006	367	14,155	2.59%
01	1/6/2007	261	18,205	1.43%
02	1/13/2007	229	22,937	0.99%
03	1/20/2007	188	22,822	0.82%
04	1/27/2007	199	25,063	0.79%
05	2/3/2007	264	23,639	1.11%
06	2/10/2007	355	26,047	1.36%
07	2/17/2007	547	30,533	1.79%
08	2/24/2007	604	23,865	2.53%
09	3/3/2007	411	23,814	1.72%
10	3/10/2007	326	22,171	1.47%
11	3/17/2007	246	19,637	1.25%
12	3/24/2007	179	20,061	0.89%
13	3/31/2007	121	18,060	0.66%
14	4/07/2007	65	16,675	0.38%
15	4/14/2007	74	15,579	0.47%
16	4/21/2007	83	16,713	0.49%
17	4/28/2007	55	16,283	0.33%
18	5/5/2007	67	12,954	0.51%
19	5/12/2007	53	9,236	0.57%
20	05/19/2007	50	7,965	0.62%

Percentage of Visits for Influenza-like Illness Reported by Sentinel Providers  
 North Carolina, 2006-2007 (Red Line)  
 With Comparative 2005-2006 Data (Blue Line)  
 With Comparative 2004-2005 Data (Yellow Line)  
 and Comparative 2003-2004 Data (Light Blue Line)



**Influenza-Like Illness Surveillance in North Carolina, 2006-2007**  
**Comparative trend between two surveillance systems:**  
**Sentinel Provider Network (SPN) and Hospital Emergency Department (ED)**



**SPN:** 74 volunteer practitioners report weekly their patient workload; using ILI case definition: "fever and cough or sore throat."

**ED:** As of 5/19/2007, 103 hospitals report daily ED visits electronically through the NC DETECT System, using ILI case definition: "ILI cases must include any case with the term "flu" or "influenza" or have at least one fever term and one influenza-related symptom."

**II. Influenza Virus Isolates Identified by the State Laboratory of Public Health  
During the 2006-2007 Influenza Season**

<b>Week Number</b>	<b>Ending</b>	<b>Total Confirmed</b>	<b>County</b>	<b>Virus Type</b>	<b>No. Isolates of Same Virus</b>
40	10/7/2006	00	N/A	N/A	0
41	10/14/2006	00	N/A	N/A	0
42	10/21/2006	00	N/A	N/A	0
43	10/28/2006	00	N/A	N/A	0
44	11/04/2006	14	Nash	B	3
			Pitt	B	1
			Union	B	1
			Watauga	B	1
			Yancey	B	8
45	11/11/2006	12	Mitchell	B	6
			Pitt	B	1
			Yancey	B	5
46	11/18/2006	05	Alleghany	A/H1	1
			Buncombe	B	1
			Cabarrus	A/H1	1
			Rowan	A/H1	1
			Wake	A/H1	1
47	11/25/2006	03	Avery	B	1
			Wake	B	2
48	12/2/2006	10	Buncombe	B	2
			Cabarrus	A/H1	1
			Pitt	B	1
			Union	A/H1	2
			Wake	A/H1	2
			Wake	B	1
			Watauga	B	1
49	12/9/2006	08	Jones	A/H1	1
			Haywood	A/H1	2
			Haywood	B	1
			Johnston	A/H1	1
			Wake	A/H1	2
			Wilkes	A/H1	1
50	12/16/2006	18	Buncombe	B	2
			Cabarrus	A/H1	3
			Caldwell	A/H1	1
			Durham	A/H1	2
			Orange	A/H1	1
			Pitt	A/H1	1
			Pitt	B	1

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<b>Week Number</b>	<b>Ending</b>	<b>Total Confirmed</b>	<b>County</b>	<b>Virus Type</b>	<b>No. Isolates of Same Virus</b>
			Union	A/H1	6
			Wake	A/H1	1
51	12/23/2006	36	Buncombe	A/H1	1
			Cabarrus	A/H1	8
			Cabarrus	B	2
			Caldwell	A/H1	2
			Caldwell	B	1
			Henderson	B	1
			Jackson	A/H1	1
			Mecklenburg	A/H1	1
			Pitt	B	3
			Union	A/H1	2
			Union	B	1
			Wake	A/H1	8
			Wake	B	1
			Watauga	A/H1	1
			Wilkes	A/H1	2
			Yancey	B	2
52	12/30/2006	36	Buncombe	A/H1	4
			Buncombe	B	6
			Cabarrus	A/H1	1
			Cumberland	A/H1	1
			Granville	A/H1	1
			Jackson	A/H1	1
			Jackson	B	1
			Mecklenburg	A/H1	13
			Pitt	A/H1	1
			Stanley	A/H1	3
			Stanley	B	1
			Union	A/H1	3
01	1/6/2007	13	Buncombe	A/H1	1
			Buncombe	B	1
			Forsyth	A/H1	1
			Jackson	A/H1	2
			Mecklenburg	A/H1	4
			Pitt	A/H1	3
			Rockingham	A/H1	1
02	1/13/2007	07	Buncombe	A/H1	1
			Cabarrus	A/H1	1
			Cumberland	A/H1	3
			Hertford	A/H1	1

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<b>Week Number</b>	<b>Ending</b>	<b>Total Confirmed</b>	<b>County</b>	<b>Virus Type</b>	<b>No. Isolates of Same Virus</b>
			Rockingham	A/H1	1
03	1/20/2007	07	Alleghany	B	1
			Cumberland	A/H1	1
			Franklin	B	2
			Orange	B	1
			Wake	A/H1	1
			Yancey	A/H1	1
04	1/27/2007	15	Buncombe	B	1
			Catawba	B	1
			Cumberland	A/H1	1
			Durham	A/H1	1
			Forsyth	B	1
			Mecklenburg	A/H1	4
			Mecklenburg	B	1
			Orange	A/H3	1
			Vance	A/H1	2
			Wake	A/H3	2
05	2/3/2007	08	Anson	B	1
			Buncombe	A/H3	1
			Durham	A/H1	2
			Robeson	A/H1	1
			Vance	A/H1	1
			Wake	A/H3	1
			Watauga	B	1
06	2/10/2007	15	Buncombe	A/H1	1
			Buncombe	B	1
			Durham	A/H1	2
			Granville	B	1
			Guilford	B	3
			Jones	A/H3	1
			Orange	A/H3	1
			Orange	B	1
			Pender	A/H1	2
			Wake	A/H1	1
			Wake	A/H3	1
07	2/17/2007	23	Anson	B	1
			Buncombe	B	1
			Cabarrus	B	1
			Cumberland	A/H1	1
			Durham	A/H3	1
			Durham	B	1

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<b>Week Number</b>	<b>Ending</b>	<b>Total Confirmed</b>	<b>County</b>	<b>Virus Type</b>	<b>No. Isolates of Same Virus</b>
			Graham	B	1
			Henderson	B	1
			Northampton	B	2
			Orange	A/H1	1
			Orange	A/H3	2
			Wake	A/H1	1
			Watauga	A/H1	3
			Watauga	B	6
08	2/24/2007	26	Buncombe	B	3
			Cabarrus	B	3
			Durham	A/H3	1
			Durham	B	3
			Lee	B	1
			Northampton	B	1
			Pitt	B	1
			Wake	B	1
			Watauga	B	12
09	3/3/2007	22	Cabarrus	B	3
			Caldwell	B	1
			Cumberland	A/H1	1
			Durham	A/H3	1
			Edgecombe	B	1
			Henderson	B	2
			Hertford	B	1
			Montgomery	B	1
			Pitt	A/H1	5
			Rockingham	B	1
			Rowan	B	1
			Union	B	2
			Wake	B	1
			Watauga	B	1
10	3/10/2007	04	Hyde	B	1
			Cabarrus	B	2
			Montgomery	B	1
11	3/17/2007	05	Buncombe	B	1
			Forsyth	B	1
			Hertford	B	1
			Jackson	A/H3	1
			Montgomery	B	1
12	3/24/2007	07	Buncombe	A/H3	1
			Caldwell	B	1

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<b>Week Number</b>	<b>Ending</b>	<b>Total Confirmed</b>	<b>County</b>	<b>Virus Type</b>	<b>No. Isolates of Same Virus</b>
			Durham	A/H3	1
			Durham	B	1
			Jackson	B	1
			Lee	B	1
			Onslow	B	1
13	3/31/2007	00	N/A	N/A	N/A
14	4/7/2007	00	N/A	N/A	N/A
15	4/14/2007	00	N/A	N/A	N/A
16	4/21/2007	02	Caldwell	B	1
			Hertford	B	1
17	4/28/2007	01	Watauga	B	1
18	5/5/2007	00	N/A	N/A	N/A
19	5/12/2007	00	N/A	N/A	N/A
20	5/19/2007	00	N/A	N/A	N/A
<b>TOTAL ISOLATES IDENTIFIED TO DATE</b>				A/H1	137
				A/H3	17
				B	145
				<b>Total</b>	<b>299</b>