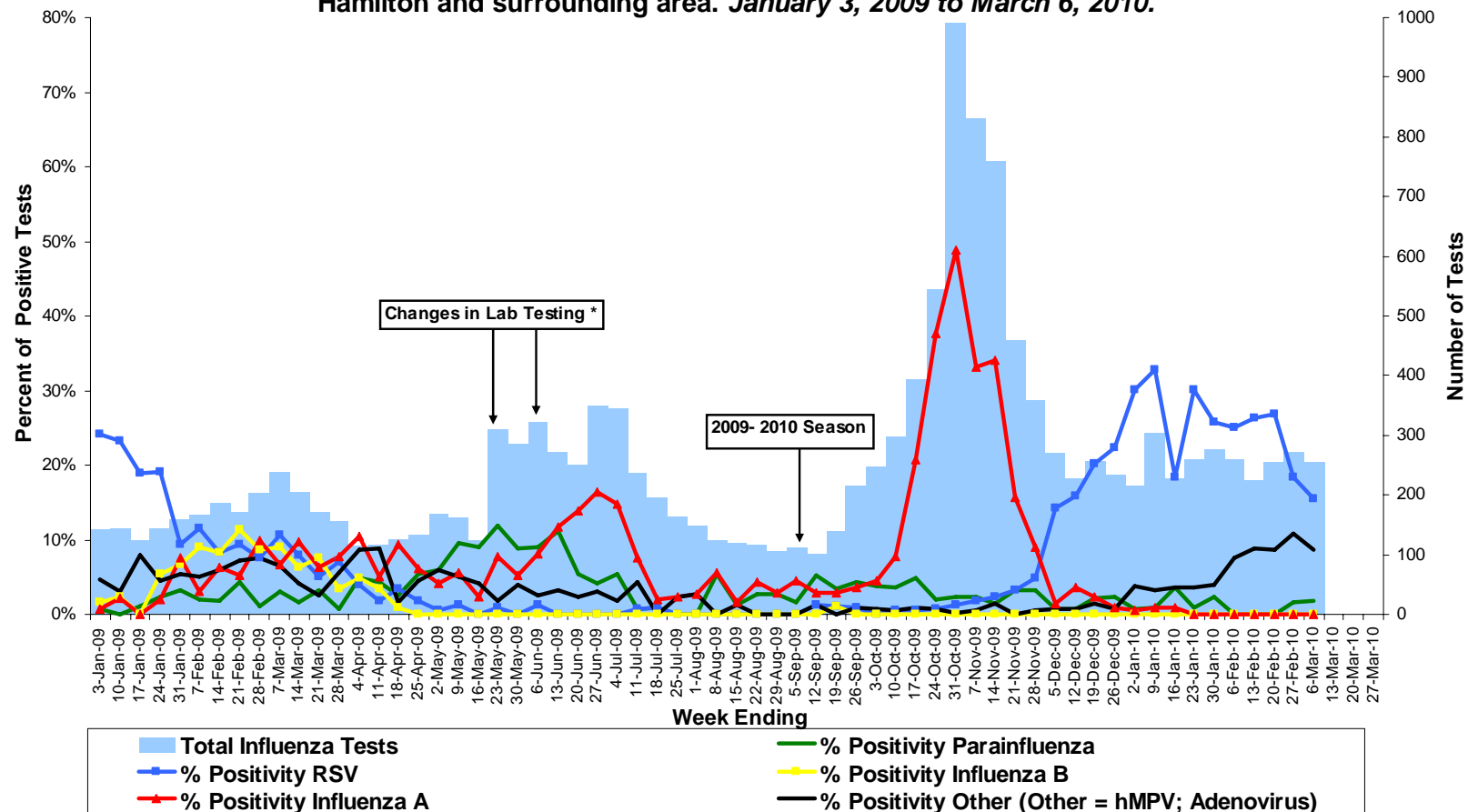


Laboratory Surveillance Report: Week of Feb 28 – March 6, 2010

Weekly influenza tests performed and percent positivity for selected respiratory pathogens, Hamilton and surrounding area. January 3, 2009 to March 6, 2010.



Percent positive is number of positive results for pathogen / number of tests performed for pathogen, reported as %.

Data Source: Ontario Agency for Health Protection and Promotion (OAHPP) – Hamilton Public Health Laboratory (HPHL) [influenza A only] and McMaster University Regional Virology Laboratory (MURVL) respiratory database. Prepared by Hamilton Public Health Services. * **Note:** Effective May 17, 2009, HPHL initiated molecular testing on both outbreak and community respiratory specimens submitted by: City of Hamilton, Haldimand-Norfolk, Halton and Niagara as well as specimens from the London and Windsor Public Health Laboratories. On June 4, 2009, the Ontario Ministry of Health and Long Term Care directed health care providers to only submit lab specimens in cases with influenza-like illness (ILI) among hospitalized individuals or where patients are at high risk for complications from influenza. Public health laboratories are only testing samples from high-risk patients.

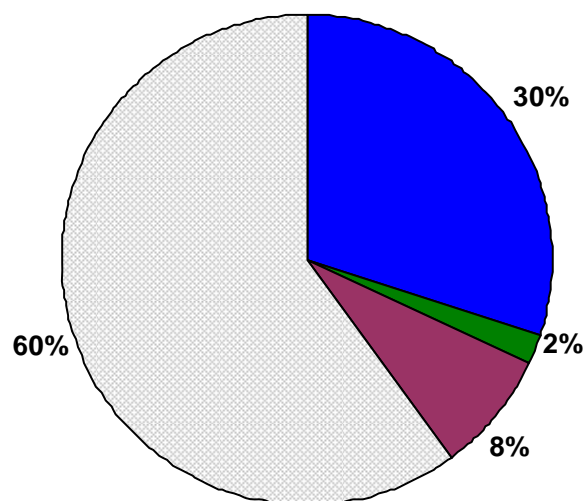
Note: As per a Nov 6, 2009 provincial communique, the OAHPP has changed the testing algorithm for Influenza A subtyping conducted by the Public Health Laboratories (PHL). OAHPP has indicated that the percentage of influenza A positive samples testing positive for pH1N1 continues to be almost 100%.

Proportion of nasopharyngeal swabs submitted from an acute care setting that are positive for select respiratory viral pathogens, Hamilton and surrounding area.

Week of February 28 - March 6, 2010

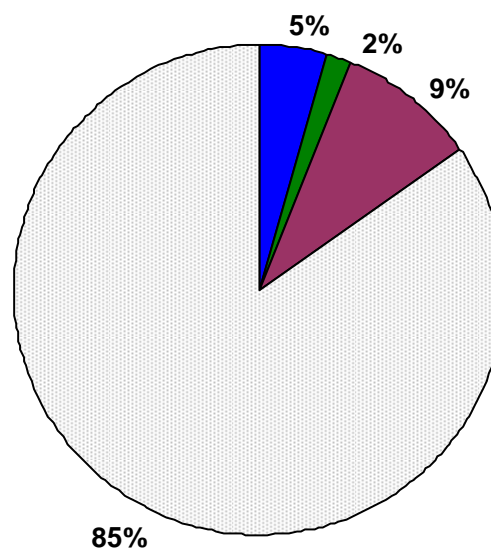
Ages 0 to 4 years

Total tests = 50



Children (> 4 years), adults, seniors

Total tests = 66



- Influenza A
- Influenza B
- RSV
- Parainfluenza
- Adenovirus
- hMPV
- Negative NP Swabs

Interpretation: Of all children aged 0-4 years presenting to acute care hospital ERs with appropriate symptoms and who provided a NPS sample, **0%** tested positive for Influenza; among children 5 years and older, adults and seniors, **0%** tested positive for Influenza.

Notes: Negative swabs are 'negative' only for the select viral pathogens in the testing panel. This does not necessarily mean it is a bacterial infection. Among the 0 to 4 year old age group, the percentage positivity for RSV decreases dramatically as age increases.

Data Source: McMaster University Regional Virology Laboratory. **Prepared by:** Hamilton Public Health Services. **Data Extracted:** March 10, 2010

Respiratory Viral Testing														
Week Ending	Virology Laboratory (VL)	Public Health Laboratory (PHL)		Total Influenza Tests	No Virus Isolated	INFLUENZA A		INFLUENZA B	RSV		PARA INFLUENZA	ADENOVIRUS	hMPV	INFLUENZA A
		Influenza A	RSV			VL	PHL	VL	VL	PHL	VL	VL	VL	Overall % Positivity
6-Mar-10	116	138	7	254	223	0	0	0	18	1	2	0	10	0
27-Feb-10	120	152	4	272	234	0	0	0	22	1	2	0	13	0
20-Feb-10	93	162	19	255	217	0	0	0	25	5	0	0	8	0
13-Feb-10	80	145	18	225	193	0	0	0	21	4	0	0	7	0
6-Feb-10	132	128	15	260	217	0	0	0	33	0	0	2	8	0
30-Jan-10	128	148	22	276	227	0	0	0	33	8	3	1	4	0
23-Jan-10	113	147	43	260	211	0	0	0	34	10	1	0	4	0
16-Jan-10	109	119	20	228	192	1	1	0	20	6	4	2	2	1
9-Jan-10	122	182	28	304	246	0	3	0	40	10	1	0	4	1
2-Jan-10	156	60	16	216	159	1	0	0	47	2	1	0	6	0
26-Dec-09	125	110	3	235	200	0	2	0	28	1	3	0	1	1
19-Dec-09	134	123	8	257	216	1	5	0	27	3	3	1	1	2
12-Dec-09	126	101	2	227	196	3	5	0	20	1	1	1	0	4
5-Dec-09	141	130	1	271	245	2	2	0	20	0	1	1	0	1
28-Nov-09	185	172	7	357	309	10	22	0	9	0	6	1	0	9
21-Nov-09	215	245	3	460	374	17	55	0	7	0	7	0	0	16
14-Nov-09	262	498	10	760	487	72	187	0	6	0	4	4	0	34
7-Nov-09	386	445	19	831	538	97	178	0	7	0	9	1	1	33
31-Oct-09	394	596	26	990	492	137	347	0	5	0	9	1	0	49
24-Oct-09	310	235	29	545	328	117	88	0	2	0	6	0	2	38
17-Oct-09	209	186	32	395	298	44	38	0	1	0	10	1	1	21
10-Oct-09	163	135	12	298	267	15	8	0	1	0	6	1	0	8
3-Oct-09	157	91	30	248	230	9	2	0	0	0	6	1	0	4
26-Sep-09	118	99	12	217	202	5	3	0	1	0	5	1	0	4
19-Sep-09	88	52	4	140	131	3	1	1	1	0	3	0	0	3
12-Sep-09	76	26	2	102	95	3	0	0	1	0	4	1	0	3
5-Sep-09	65	48	3	113	108	3	2	0	0	0	1	0	0	4