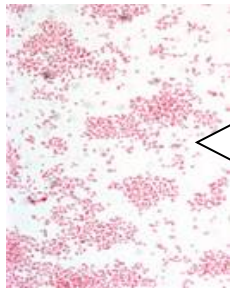


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RESPView Pathogen Surveillance 2012-2013



- In 2013 CDC week 12, ending March 23, 2013, Flu B and RSV predominate.
- The diversity of viruses is high with representatives from all groups.
- There are rare cases of *Bordetella pertussis*, and *Mycoplasm*a spp. in our region.
- 43% of samples submitted were positive for at least one virus.
- Remember no laboratory test method reaches 100% sensitivity or specificity. As the season begins to wane, test specificity may decline as the population transitions to low viral prevalence.

10X Essentials: *Bordetella* Alert (Testing Available at [GMC](#) and [GWV](#))

Note: Geisinger is prepared for *Bordetella pertussis* testing. Testing is performed at Danville campus and, as of March 25, 2013, testing is also performed at GWV campus.

Note: GHS RVPCR detects *Bordetella pertussis* only, not *B. parapertussis*.

Limitations: NOTES for *B. pertussis*: 1) This assay only detects *B. pertussis* (does not detect *B. parapertussis*). If testing for both pathogens is necessary, order referred test code BPPDNA. 2) Some *B. pertussis* acellular vaccines contain PCR-detectable DNA. Do not collect specimens in areas that are exposed to *B. pertussis* vaccine material.



HEALTH ADVISORY: Statewide Health Alert, March 28, 2013

The Pennsylvania Department of Health (PA-DOH) released the following alert on March 28, 2013, regarding an outbreak of pertussis in Westmoreland County.

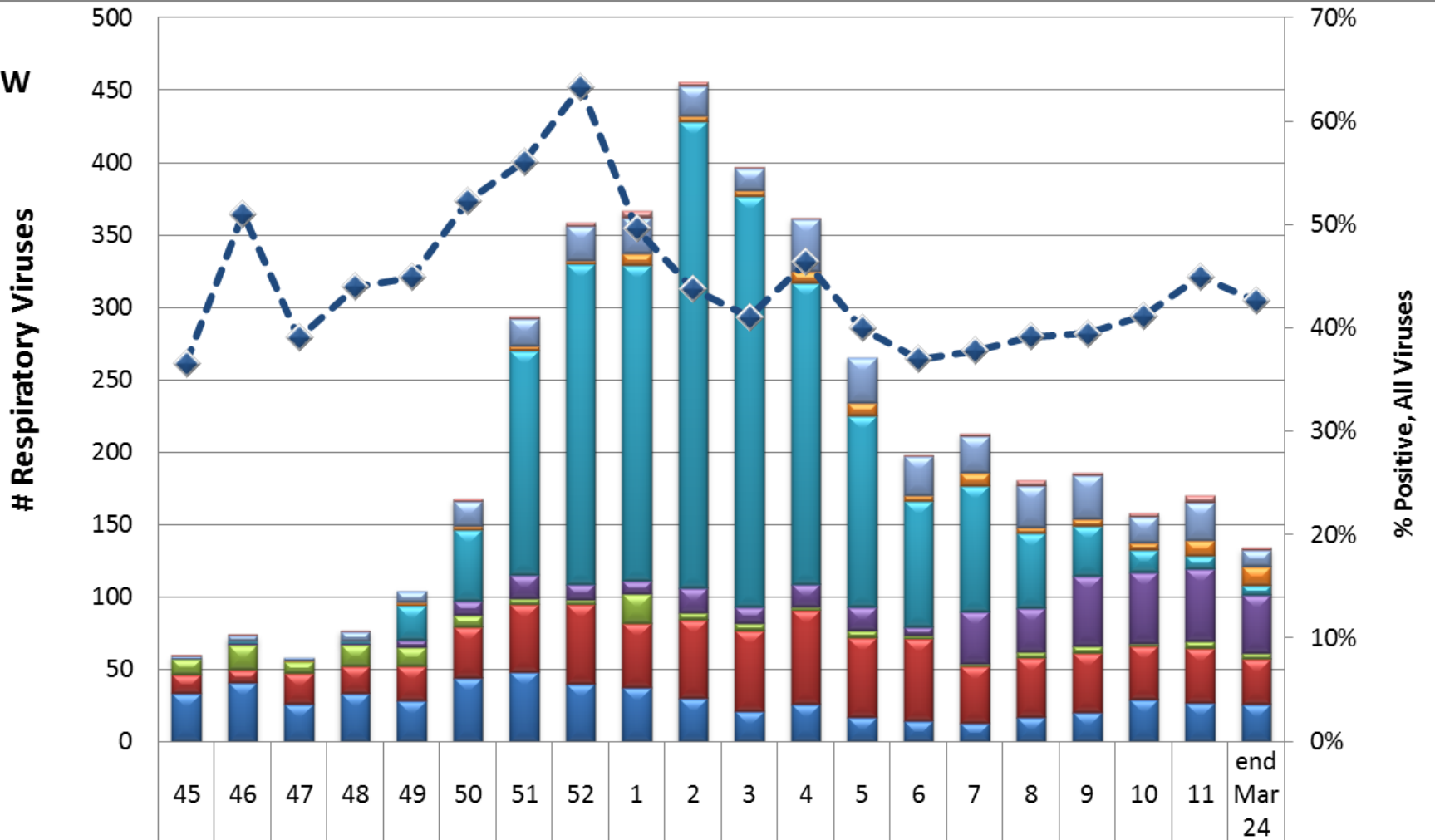


- Pertussis (whooping cough) is an acute respiratory disease caused by the bacterium *Bordetella pertussis*.
- Symptoms in infant, child, youth, or adult with an acute cough illness characterized by prolonged cough or cough with paroxysms, whoop, or post-tussive gagging/vomiting or apnea and/or cyanosis.
- Specimens in Universal Transport Media (UTM): Nasopharyngeal (NP) swabs are the only FDA approved specimen source. In addition, BAL, bronchial washings, tracheal aspirates, NP washes/aspirates, and throat swabs were validated in GML and are acceptable specimens in UTM if stored for ≤ 24 hours at room temperature and 3 days at 2-8°C. Sputum specimens are NOT acceptable.
- All suspected or confirmed cases should be immediately reported to the PADOH using the Department's electronic disease surveillance system, PA- NEDSS, by phone to 1-877-PA-HEALTH, or to the local health department where the patient resides.
- For more information you may link to the CDC fact sheet Web page at: <http://www.cdc.gov/nip/publications/pink/pert.pdf> and <http://www.cdc.gov/pertussis/>

Questions: For newsletter questions, contact Christy Attinger at (570) 271-6338 or me.

Best regards, Donna M. Wolk, MHA, Ph.D., D(ABMM), GML System Director of Microbiology

GML RespVIEW 2012-2013



adenovirus	1	1	0	1	0	2	2	3	5	3	1	1	0	1	2	4	2	3	5	2
coronavirus	2	4	2	7	8	17	19	24	25	21	15	36	31	27	25	29	30	18	26	11
human metapneumovirus	0	0	1	0	2	3	3	2	8	4	4	8	9	4	9	4	5	5	11	13
influenza A	0	1	0	1	24	49	155	221	218	322	284	208	132	87	87	52	35	15	9	7
influenza B	0	1	0	1	5	10	16	11	9	17	11	16	16	6	36	30	48	49	50	40
parainfluenza	11	17	8	15	13	8	4	3	20	5	5	2	5	2	2	4	5	2	5	4
respiratory syncytial virus	13	9	21	19	24	35	47	55	45	54	56	65	55	57	39	41	41	37	37	31
rhinovirus	33	41	26	33	28	44	48	40	37	30	21	26	17	14	13	17	20	29	27	26
% Positive Rollup	37%	51%	39%	44%	45%	52%	56%	63%	50%	44%	41%	46%	40%	37%	38%	39%	39%	41%	45%	43%