2025 Arboviral Seasonal Summary for Pennsylvania

West Nile virus

- 80 total human WNV cases from 22 counties*
- 47 M/33 F; avg age 60 yo (range 19 to 103 yo)
- 58 neuroinvasive cases/22 febrile cases
- 5 deaths from Dauphin, Lackawanna, Lancaster, Lebanon, and Montgomery counties
- Lancaster County reported most WNV cases with 21
- 11 Presumed viremic donors from Lancaster (4), Montgomery (3), Berks (1), Bucks (1), and Cumberland (1) counties
- 25 Equine cases were reported from 12 counties; Lancaster reported the most with 7
- 3,987 positive mosquito samples were detected from 66 counties. York County reported the most with 514.

Jamestown Canyon virus

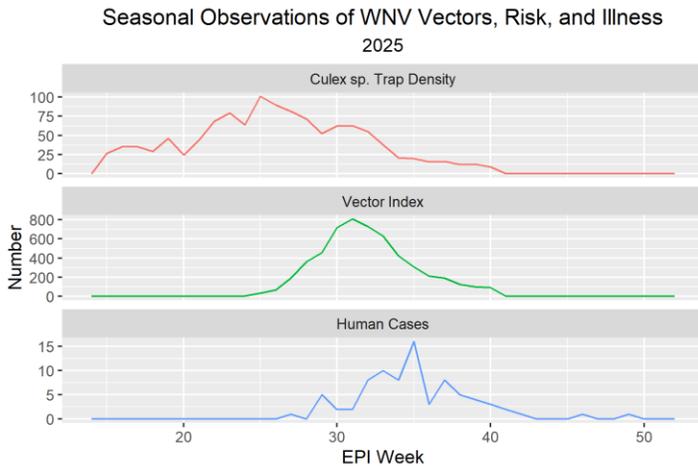- 32 positive mosquito samples were detected from 13 counties. Luzerne reported the most with 15.

Other locally transmitted arboviruses in Pennsylvania

- 7 Powassan cases from Allegheny (2), Beaver (1), Chester (1), Pike (1), and Westmoreland (1)

Travel related human cases of arboviruses in Pennsylvania
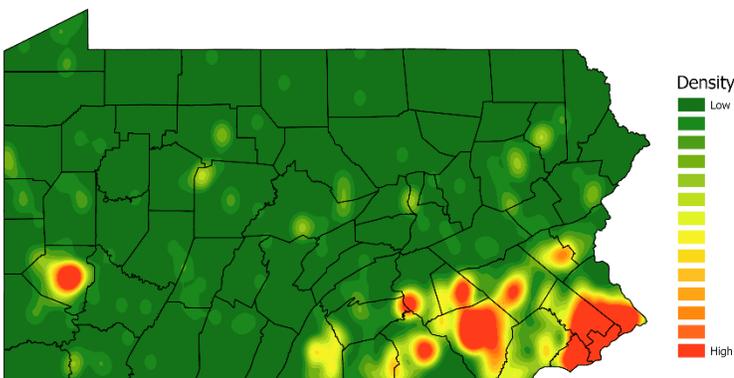
- 16 Dengue cases
- 5 Chikungunya cases

*2025 human counts are preliminary

Figure 1. A representation of the 2025 West Nile Virus Season by Epidemiological (EPI) Week. The top graph represents trap density of *Culex restuans* and *Culex pipiens* collected in gravid traps throughout the surveillance season. Adult surveillance efforts began in April (EPI Week 15) and concluded October 4th (EPI Week 40). The middle graph represents the statewide vector index, a quantitative method that calculates risk of human illness. The bottom graph represents human cases reported by the Department of Health by onset week.

Figure 2. Historic West Nile virus human illness density. Map was constructed using ArcGIS Pro, point density, 0.15 radius, bilinear interpolation, and 0.25 standard deviation. The radius was increased as to not give away any sensitive information. This yearly map utilizes a different radius than the 2024 map and should not be used for direct comparison.

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2025 Arboviral Statistics by County

COUNTY	WNV Mosquito #POS	Mosquito Rank	WNV Equine	WNV Human	JCV Mosquito #POS
Adams	82	13	0	0	0
Allegheny	211	5	0	6	0
Armstrong	6	34	0	0	0
Beaver	82	13	0	0	0
Bedford	4	36	0	0	0
Berks	80	15	1	6	0
Blair	11	30	0	1	0
Bradford	9	31	0	0	0
Bucks	283	4	0	6	0
Butler	3	37	0	1	0
Cambria	39	19	0	1	0
Cameron	11	30	0	0	0
Carbon	2	38	0	0	0
Centre	17	27	0	0	1
Chester	81	14	2	2	0
Clarion	0	40	0	0	0
Clearfield	2	38	0	0	0
Clinton	1	39	0	0	0
Columbia	7	32	0	0	1
Crawford	3	36	0	0	1
Cumberland	441	2	2	6	1
Dauphin	188	8	0	3	0
Delaware	174	9	0	3	0
Elk	1	39	0	0	0
Erie	31	21	0	0	0
Fayette	29	23	0	1	0
Forest	2	38	0	0	0
Franklin	56	17	0	0	0
Fulton	7	33	0	0	0
Greene	27	25	0	0	0
Huntingdon	8	32	0	0	0
Indiana	25	26	0	0	0
Jefferson	1	39	0	0	0
Juniata	1	39	0	0	0
Lackawanna	37	19	0	1	2
Lancaster	286	3	7	21	0
Lawrence	45	18	3	1	0
Lebanon	201	7	0	5	0
Lehigh	207	6	0	3	0
Luzerne	103	12	1	0	15
Lycoming	78	16	0	0	0

COUNTY	WNV Mosquito #POS	Mosquito Rank	WNV Equine	WNV Human	JCV Mosquito #POS
McKean	1	34	0	0	5
Mercer	18	27	0	0	0
Mifflin	4	36	2	0	0
Monroe	56	17	0	0	0
Montgomery	133	10	0	4	0
Montour	27	24	1	0	1
Northampton	45	18	0	0	0
Northumberland	10	30	1	0	1
Perry	7	32	0	0	1
Philadelphia	132	11	0	3	0
Pike	16	28	0	0	0
Potter	2	38	0	0	0
Schuylkill	36	20	0	1	0
Snyder	15	29	2	0	0
Somerset	5	35	0	1	0
Sullivan	1	39	0	0	0
Susquehanna	5	35	0	0	0
Tioga	2	38	0	0	0
Union	14	29	2	0	1
Venango	1	39	0	0	0
Warren	1	39	0	0	0
Washington	15	29	0	1	0
Wayne	11	30	0	0	0
Westmoreland	29	22	0	0	1
Wyoming	5	35	0	0	0
York	514	1	1	3	1
Total	3987		25	80	32