

		winter						spring						summer						fall					
category	Variables	Percent non zero days	Mean	SD	Median	Pct25	Pct75	Percent non zero days	Mean	SD	Median	Pct25	Pct75	Percent non zero days	Mean	SD	Median	Pct25	Pct75	Percent non zero days	Mean	SD	Median	Pct25	Pct75
Health outcome	asthma	84.73	2.17	1.69	2	1	3	93.73	3.38	2.01	3	2	5	80.71	2.21	2.22	2	1	3	93.06	3.58	2.19	3	2	5
Criteria pollutant	Carbon_monoxide	100	0.31	0.15	0.3	0.2	0.3	100	0.29	0.14	0.3	0.2	0.3	100	0.27	0.1	0.3	0.2	0.3	100	0.29	0.13	0.3	0.2	0.3
Criteria pollutant	NO	100	11.49	16.87	5.5	2.9	12	100	4.51	5.94	2.8	1.6	4.9	99.73	4.11	5.26	2.35	1.5	4.4	100	8.39	11.84	4.15	2.1	8.2
Criteria pollutant	Noy	100	28.28	23.63	21.1	13.35	34.25	100	17.87	12.78	14.2	9.7	22.75	99.73	14.9	9.73	12.7	8.28	18.13	100	20.8	17.32	15.35	9.38	26.45
Criteria pollutant	NOyNO	100	18.6	9.09	16.9	11.5	24.25	100	14.97	8.93	12.9	8.5	19.3	99.73	11.96	6.55	11.1	7	15.43	100	14	7.81	12.9	7.68	18.6
Criteria pollutant	ozone	4.32	0	0.01	0	0	0	37.33	0.03	0.05	0	0	0.1	47.55	0.05	0.05	0	0	0.1	4.44	0	0.02	0	0	0
Criteria pollutant	PM10	100	18.62	12.2	16	10	25	100	26.82	21.29	22	14	34	100	29.49	13.25	27	20.75	35	100	32.38	21.9	28	19	40
Criteria pollutant	PM25	100	16.41	6.32	16	12	20	100	16.57	16.11	14	10	19	100	16.46	24.44	14	10	17	100	13.58	5.49	13	10	17
Criteria pollutant	SO2	97.12	3.36	8.13	0.7	0.3	2	95.64	5.81	13.26	1.1	0.4	4.85	96.74	5.96	12.6	1.8	0.4	6.9	92.5	3.14	6.4	0.6	0.2	2.1
Mold	Alternaria	58.79	80.61	192.23	19	0	63.5	68.39	230.99	498.99	31	0	192	93.21	1,424.05	1,230.54	1,133.00	595	1,876.00	91.11	1,439.92	1,725.45	803	320	1,982.50
Mold	Basidiospores	45.24	318.26	1,320.57	0	0	48	74.66	2,444.35	4,942.86	242	0	2,441.00	95.11	13,763.21	15,368.75	9,478.00	5,135.75	18,367.75	90.28	6,624.48	12,310.65	1,734.50	275.75	7,021.00
Mold	Cercospora	5.76	19.15	93.33	0	0	0	23.16	65.73	267.31	0	0	0	82.61	497.81	715.78	275.5	77	599	61.11	1,032.72	2,376.93	112	0	846
Mold	Cladosporium	86.46	873.4	2,155.75	260	33	716	93.19	4,343.55	8,195.97	1,061.00	183	5,193.50	95.11	18,041.52	15,836.68	13,108.50	6,901.75	24,257.25	95.56	14,659.31	18,867.47	7,535.00	2,662.00	19,477.25
Mold	Dreshslera_Helmi																								
Mold	nthosporium	7.78	2.33	9.13	0	0	0	11.17	4.65	20.06	0	0	0	38.32	39.36	65.99	0	0	70	33.89	45.2	94.82	0	0	67
Mold	Epicoccum	37.18	21.93	45.28	0	0	24	47.14	46.54	114.96	0	0	51	69.29	p	193.23	110	0	222	77.78	409.33	616.01	196.5	49.5	513
Mold	Fusarium	5.76	2.72	13.07	0	0	0	7.9	5.34	25.95	0	0	0	43.21	71.25	130.6	0	0	85	23.89	55.13	156.82	0	0	0
Mold	Oidium_Erysiphe	3.75	0.42	2.13	0	0	0	20.16	12.53	41.66	0	0	0	19.84	16.19	42.35	0	0	0	13.61	12.46	42.62	0	0	0
Mold	Penicillium_Asp																								
Mold	gillus	68.59	139.04	241.04	56	0	168.5	39.51	68.47	198.61	0	0	55	25.82	100.24	290.91	0	0	55.75	38.89	151.87	485.96	0	0	96
Mold	Peronospora	5.19	0.8	4.16	0	0	0	10.9	5.91	25.85	0	0	0	16.3	15.45	49.26	0	0	0	14.72	15.55	51.3	0	0	0
Mold	Pithomyces	10.37	4.79	15.44	0	0	0	9.81	3.71	15.42	0	0	0	49.46	90.38	149.96	0	0	110	44.44	79.04	153.1	0	0	81
Mold	Polythrincium	8.07	2.98	12.36	0	0	0	34.6	34.6	78.36	0	0	41.22	48.91	75.12	141.45	0	0	85	31.39	37.67	74.07	0	0	64
Mold	Rusts	25.07	15.13	36.06	0	0	1	22.34	28.64	365.33	0	0	0	48.64	64.07	99.3	0	0	86.25	77.22	296.05	437.89	121.97	42.75	356.75
Mold	scospores	63.98	524.98	1,961.99	27	0	116	86.65	6,189.04	12,804.05	452	32.5	4,524.04	95.11	15,262.03	15,230.71	9,143.00	4,772.50	21,164.50	93.06	7,578.24	15,180.26	1,739.00	323	8,318.00
Mold	Smuts_Myxo																								
Mold	tes	76.37	195.47	372.26	79	2	232.5	66.49	124.73	291.14	29	0	128	89.13	754.84	799.99	567	231	954.25	93.33	1,460.19	1,311.15	1,119.00	525.75	2,006.00
Mold	Torula	26.22	14.06	32.42	0	0	4	25.61	18.75	55.59	0	0	2	51.9	96.19	182.22	55	0	124.25	50.28	88.45	182.39	19.5	0	90.75
Mold	Unidentified_Fung																								
Mold	i	74.64	122.63	170.91	55	0	182	72.48	122.69	196.17	55	0	174	89.4	435.56	425.76	332	154	586	91.94	657.61	1,213.25	389.01	204	769
Tree pollen	Acer_Maple	2.59	2.74	32.03	0	0	0	42.51	7.18	23.29	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Tree pollen	Alnus_Alder	0	0	0	0	0	0	12.81	2.3	21.29	0	0	0	2.72	0.13	1.56	0	0	0	0	0	0	0	0	0
Tree pollen	Betula_Birch	0	0	0	0	0	0	54.77	51.94	127.6	2	0	45.5	16.58	3.21	21.78	0	0	0	0	0	0	0	0	0
Tree pollen	Carya_Hickory	0	0	0	0	0	0	22.07	1.75	6.04	0	0	0	4.35	0.11	0.86	0	0	0	0	0	0	0	0	0
Tree pollen	Celtis_Hackberry	0.29	0	0.05	0	0	0	26.7	13.41	65.84	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tree pollen	Corylus_Hazelnut	0	0	0	0	0	0	22.07	1.85	5.93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree pollen	Cupress_Juniper_																								
Tree pollen	Cedar	2.59	6.9	90.67	0	0	0	72.75	310.95	1,493.37	5	0	38	28.8	0.6	1.59	0	0	1	30.83	5.6	25.23	0	0	1
Tree pollen	Fraxinus_Ash	0.58	0.01	0.12	0	0	0	51.5	75.54	223.58	1	0	37.5	1.9	0.02	0.16	0	0	0	0	0	0	0	0	0
Tree pollen	Juglans_Walnut	0	0	0	0	0	0	28.61	11.76	40.23	0	0	1	8.15	0.75	6.35	0	0	0	0	0	0	0	0	0
Tree pollen	Morus_Mulberry	0	0	0	0	0	0	48.23	279.72	975.5	0	0	95.5	18.21	1.92	14.81	0	0	0	0	0	0	0	0	0
Tree pollen	Pinus_Pine	0.86	0.01	0.13	0	0	0	46.05	6.13	18.74	0	0	3	44.02	3.57	10.13	0	0	3	5.28	0.07	0.33	0	0	0
Tree pollen	Platanus_Sycamor																								
Tree pollen	e	0	0	0	0	0	0	25.89	4.91	23.44	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tree pollen	Populus_Cottonw																								
Tree pollen	ood	0	0	0	0	0	0	40.33	60.98	245.45	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
Tree pollen	Quercus_Oak	0	0	0	0	0	0	41.14	72.3	199.13	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0
Tree pollen	Salix_Willow	0	0	0	0	0	0	30.79	3.77	11.58	0	0	1.5	1.63	0.06	0.63	0	0	0	0	0	0	0	0	0
Tree pollen	Tilia_Linden	0	0	0	0	0	0	0	0	0	0	0	0	18.48	0.67	2.36	0	0	0	0.28	0	0.05	0	0	0
Tree pollen	Ulmus_Elm	1.73	0.83	12.1	0	0	0	47.68	43.24	183.99	0	0	7	2.45	0.07	0.61	0	0	0	11.11	0.25	1.01	0	0	0
Tree pollen	Ambrosia_Ragwee																								
Weed Pollen	d	0	0	0	0	0	0	0.82	0.02	0.37	0	0	0	28.53	39.38	132.58	0	0	2	63.89	91.3	218.38	3	0	44.25
Weed Pollen	Artemisia_Sage	0	0	0	0	0	0	0.27	0	0.05	0	0	0	22.55	1.59	6.47	0	0	0	41.67	4.05	11.14	0	0	2
Weed Pollen	Cheno_Amaranth																								
Weed Pollen	_Pigweed	1.15	0.02	0.19	0	0	0	13.08	0.19	0.6	0	0	0	75	35.33	95.98	3	0.75	24	59.44	34.54	88.43	2	0	20.25

Weed Pollen	Composite_Astera																								
	_Xanth_Cocklebur	0	0	0	0	0	0	12.81	0.22	0.71	0	0	0	35.6	0.98	2.14	0	0	1	31.94	1.77	4.59	0	0	1
Weed Pollen	Cypera_Carex_Se																								
Weed Pollen	dge	0	0	0	0	0	0	27.79	1.01	2.33	0	0	1	35.87	0.91	1.94	0	0	1	4.17	0.05	0.28	0	0	0
Weed Pollen	Plantago_Plantain	0	0	0	0	0	0	0.82	0.01	0.09	0	0	0	37.5	0.73	1.34	0	0	1	0.28	0	0.05	0	0	0
Weed Pollen	Rumex_Sheep_So																								
	rrel	0	0	0	0	0	0	18.26	0.54	1.54	0	0	0	10.33	0.29	1.19	0	0	0	0.28	0	0.05	0	0	0
Weed Pollen	Urtica_Nettle	0	0	0	0	0	0	0.82	0.01	0.13	0	0	0	73.91	40.45	83.02	4	0	37.75	35.28	15.33	47.69	0	0	4
Grass pollen	Gramineae_Grass																								
	_pollen	0	0	0	0	0	0	24.52	10.34	36.95	0	0	0	85.6	23.84	62.01	5	1	16	47.22	4.18	8.67	0	0	5
Unknown pollen	Unidentified_Poll																								
Weather	max_temp	1.73	0.04	0.41	0	0	0	29.16	1.4	3.53	0	0	1	21.74	0.54	1.39	0	0	0	7.22	0.18	0.78	0	0	0
Weather	precipitation	99.71	36.69	13.56	36	28	46	100	63.68	16.02	65	52	76	100	86.73	6.2	87	83	91	100	65.25	16.54	66.5	53	78
Weather	wind_dir	24.21	0.04	0.14	0	0	0	34.06	0.1	0.27	0	0	0.04	33.15	0.14	0.46	0	0	0.03	28.61	0.09	0.29	0	0	0.03
Weather	wind_dir	100	245.36	102.07	300	160	340	100	207.44	111.69	180	130	320	100	182.91	102.9	170	120	272.5	100	212.61	102.38	180	150	320
Weather	wind_speed	100	27.16	9.27	25.9	21	32	100	30.39	9.02	30	23.9	36	100	26.62	9.59	25.1	19.9	32	100	27.29	8.86	27.1	21	33.1