

Local & National Epidemiology Update

Executive

08 Dec 2021

Omicron Variant

- On 23rd November, a small number of cases of a new variant with large numbers of mutations were detected on the international genomic database.
- These are potentially biologically significant mutations which may change the behaviour of the virus with regards to vaccines, treatments and transmissibility.
- The UK Health Security Agency (UKHSA) designated this variant as a Variant of Concern on Saturday 27th November.
- The Health Secretary has said data shows Omicron may have a shorter window between infection and infectiousness
- Scientists are yet to draw firm conclusions but are continuing to analyse samples of the virus and real world data
- Cases of the variant in people without any travel history have been confirmed in the UK meaning it is now being transmitted within the community.
- As at 7th December there were 437 confirmed cases (333 in England) of the highly mutated variant in the UK.

Omicron Variant – National Measures

The government has put in place targeted measures as a precaution to slow down the spread of the Omicron variant while the government gathers more information. The measures are:

- All contacts of suspected COVID-19 Omicron cases must self-isolate, regardless of their vaccination status or age. They will be contacted by NHS Test and Trace.
- Face coverings are now compulsory in shops and on public transport. All hospitality settings are exempt as are places of worship.
- In schools, face coverings should be worn in communal areas in all settings by staff, visitors and pupils or students in year seven and above, unless they are exempt.
- Eleven countries are now listed on the red list.
- All international arrivals must now take a day two PCR test and self-isolate until they receive a negative result.
- All people regardless of vaccination status aged 12 years and over must take a PCR or Lateral flow COVID-19 test before they travel to England from abroad. The test must be taken within the 2 days before travel to England.

The government has accepted the advice from the Joint Committee on Vaccination and Immunisation to expand the COVID-19 booster vaccine programme to those aged 18-39, no sooner than three months after their second COVID-19 dose. The JCVI also advises providing a second dose of the Pfizer-BioNTech vaccine for young people aged 12 to 15 years no sooner than three months after their first dose.

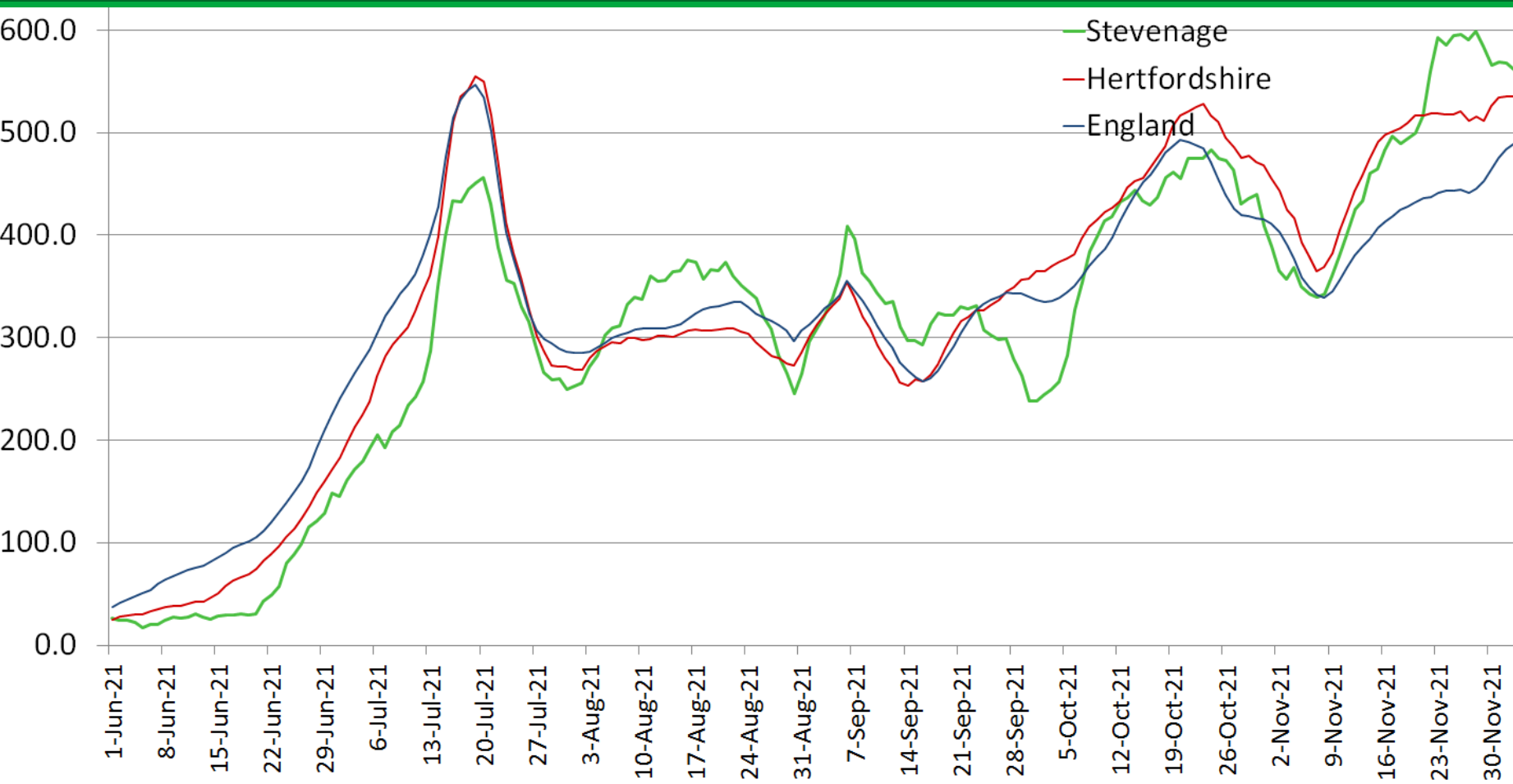


Local & National Epidemiology

Weekly case rate per 100,000 population * provisional	North Hertfordshire	East Hertfordshire	Stevenage	Welwyn Hatfield	Three River	Dacorum	St Albans	Watford	Broxbourne	Hertsmere	Hertfordshire	London	Essex	Luton	Bedford	Central Bedfordshire	England
weekly change # cases	-56	-46	-30	1	32	161	97	17	-31	24	169	7,564	1,510	84	139	476	25,333
27/11 - 03/12	639.4	581.0	561.2	534.0	545.4	529.2	574.6	468.0	373.2	470.8	535.0	448.3	625.0	481.6	534.9	734.8	489.3
20/11 - 26/11	681.3	611.7	595.4	533.1	511.1	425.2	509.3	450.4	405.0	448.0	520.8	363.9	523.6	442.1	454.7	569.9	444.3
13/11 - 19/11	661.8	615.0	494.1	565.7	483.3	474.9	483.7	477.3	362.9	383.2	509.0	316.5	475.9	435.6	479.0	504.8	428.1
06/11 - 12/11	512.1	465.4	425.7	421.0	428.6	473.6	489.7	393.5	415.3	342.2	443.5	272.9	416.8	431.4	426.4	526.2	380.4
30/10 - 05/11	390.1	342.6	349.5	323.5	452.2	425.2	529.5	413.1	321.8	336.5	392.6	242.3	369.5	408.4	432.8	537.3	359.0
23/10 - 29/10	482.9	529.6	474.7	310.5	520.8	578.3	731.5	468.0	395.8	514.7	510.4	284.4	501.8	440.7	453.6	617.7	455.1
16/10 - 22/10	539.8	583.6	474.7	308.8	550.8	574.4	706.6	469.1	422.5	508.0	524.7	295.4	543.9	471.7	488.2	633.0	487.6
09/10 - 15/10	416.3	538.9	433.7	337.3	417.9	478.8	596.2	413.1	350.5	483.2	455.8	251.1	463.8	389.1	491.7	404.0	451.3
02/10 - 08/10	393.1	341.2	257.3	360.8	394.3	391.6	598.8	278.5	240.5	413.7	373.9	204.4	298.7	312.6	380.3	292.4	339.2
25/09 - 01/10	383.3	311.9	237.9	384.4	390.0	423.9	488.4	296.1	266.2	366.0	364.4	206.7	289.2	267.5	379.7	309.0	337.4

- The last four weeks has an increase in cases in all areas with esp. high case rates in N.E Herts & Stevenage
- Over the past two months, case rate fluctuation has been driven by high rates among U18 esp. 12-16yo

Confirmed case rate during the pandemic



Case rate by Stevenage Ward/MSOAs

	Bandley Hill	Roebuck	St Nicholas	Symonds Green	Manor	Longmeadow	Woodfield + Old Town	Bedwell	Martins Wood	Chells	Shephall	Pin Green + Old Town	Stevenage
6 week 21/10 - 01/12	572.1	532.0	530.0	495.2	493.5	486.1	470.6	456.7	444.3	425.5	428.6	409.2	529.8
Average rate & Cases	38.2	36.8	40.5	29.8	30.3	28.5	57.8	36.3	28.2	29.0	27.3	36.0	418.8
25/11 - 01/12	614.6	592.2	850.6	514.5	520.6	631.1	667.3	502.8	520.5	410.8	658.5	318.3	632.5
Rate & Cases	41	41	65	31	32	37	82	40	33	28	42	28	500
18/11 - 24/11	824.5	678.9	785.1	697.1	357.9	511.7	545.2	603.4	425.9	601.5	454.7	522.9	650.2
Rate & Cases	55	47	60	42	22	30	67	48	27	41	29	46	514
11/11 - 17/11	584.6	736.7	392.6	497.9	618.2	699.3	406.9	465.1	489.0	528.2	392.0	318.3	551.6
Rate & Cases	39	51	30	30	38	41	50	37	31	36	25	28	436
04/11 - 10/11	569.6	592.2	248.6	398.3	244.0	324.1	390.6	452.5	410.1	205.4	423.3	409.2	433.9
Rate & Cases	38	41	19	24	15	19	48	36	26	14	27	36	343

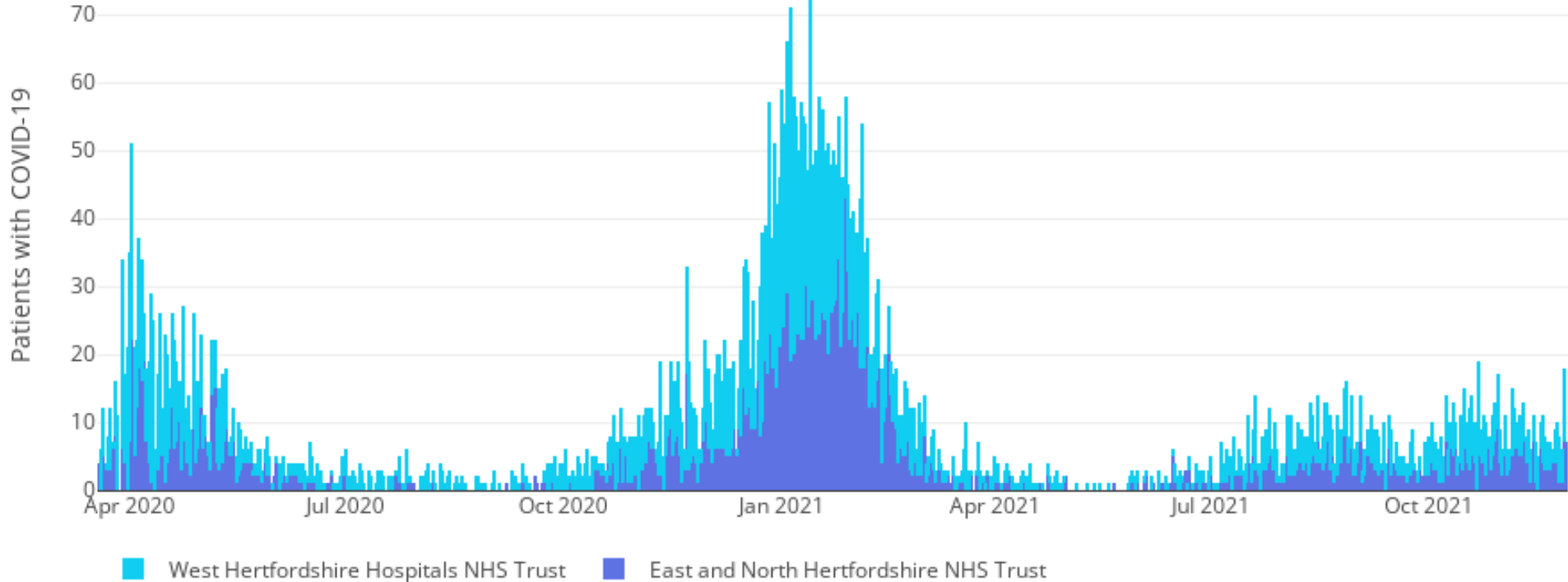
Hospitalisations – daily admissions

https://hcc-phei.shinyapps.io/covid19_public_dashboard/ w d380822b/ w 466608d5/ w 11581243/ w 81382a01/

show latest

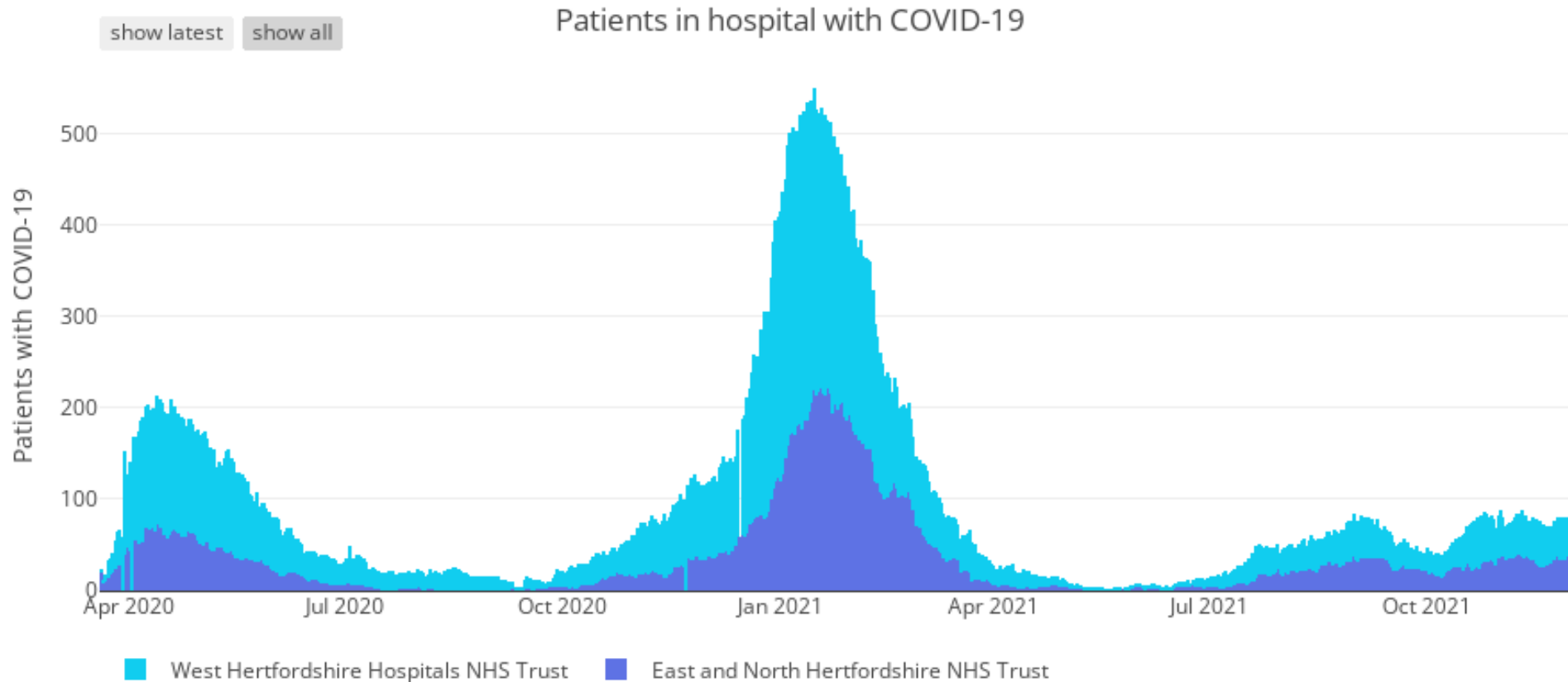
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Hospital admissions



Hospitalisations – patients in hospital with COVID-19

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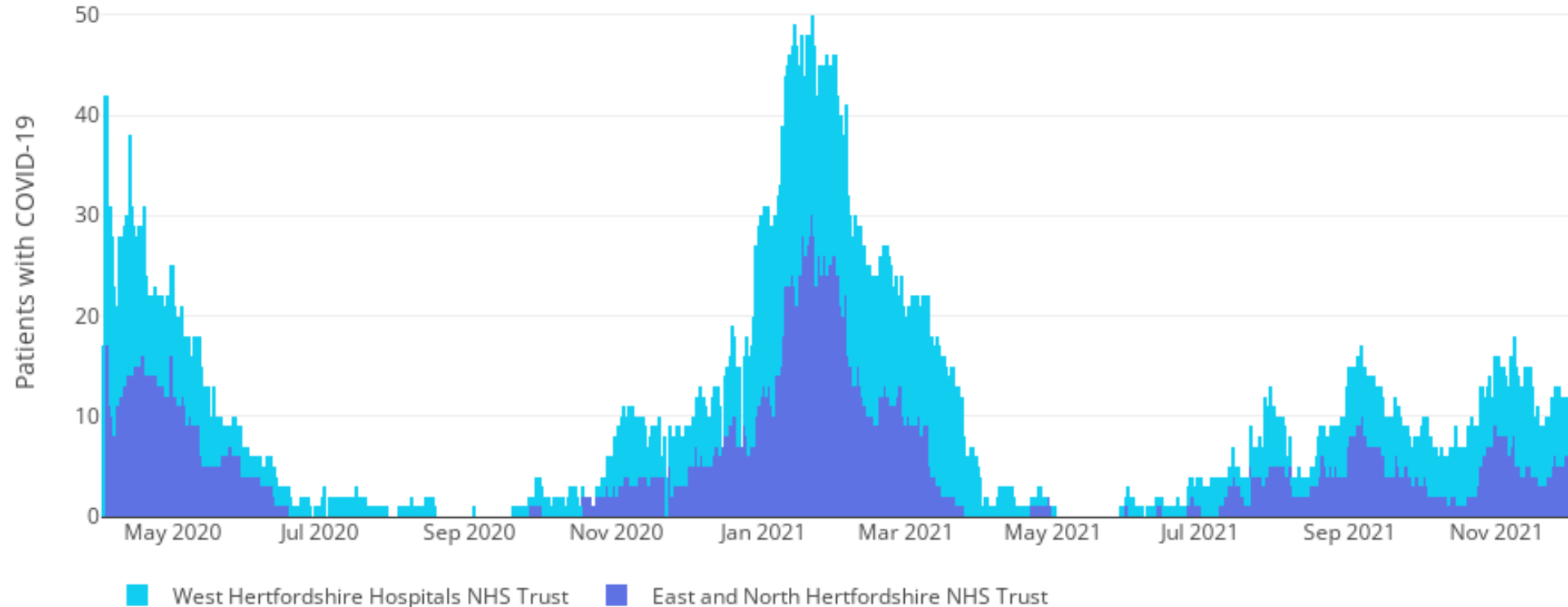


Hospitalisations – mechanical ventilation

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Patients in mechanical ventilation beds

show latest show all



Covid-19 related deaths in Hertfordshire

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/causesofdeath/datasets/deathregistrationsandoccurrencesbylocalauthorityandhealthboard>

Week	Hertsmere	Three Rivers	Watford	Broxbourne	St Albans	Dacorum	North Hertfordshire	Welwyn Hatfield	Stevenage	East Hertfordshire	Total
First wave	180	88	124	74	134	121	88	99	52	81	1,055
Second wave	151	164	127	151	215	232	219	161	107	161	1,688
18/07 - 24/07	1	0	1	0	1	1	0	0	0	0	4
25/07 - 31/07	2	0	0	1	0	2	1	1	0	2	9
01/07 - 06/07	0	0	0	1	0	2	1	2	0	3	9
07/08 - 13/08	1	0	2	1	1	1	2	2	2	1	13
14/08 - 20/08	0	0	1	3	2	1	0	0	1	0	8
21/08 - 27/08	1	0	1	1	2	1	1	3	1	1	12
28/08 - 03/09	2	0	0	0	0	0	3	1	1	1	8
04/08 - 10/09	1	4	1	0	3	0	1	1	1	2	14
11/09 - 17/09	0	0	1	0	1	1	3	2	1	3	12
18/09 - 24/09	1	0	3	2	1	3	0	0	0	2	12
25/09 - 01/10	1	0	1	0	0	2	1	0	2	1	8
02/10 - 08/10	0	0	0	1	0	2	0	0	0	1	4
09/10 - 15/10	2	0	1	1	0	0	0	2	0	3	9
16/10 - 22/10	0	0	0	2	2	2	0	1	1	1	9
23/10 - 29/10	2	1	0	1	1	4	1	1	0	3	14
30/10 - 05/11	4	0	1	0	1	2	0	0	0	0	8
06/11 - 12/11	0	1	0	2	2	1	1	3	0	3	13
13/11 - 19/11	0	0	1	4	2	1	2	1	2	2	15
20/11 - 26/11	1	2		0	1	2	1	0	2	0	9
Third wave	20	8	14	20	20	28	18	20	14	30	183
Rate per 100,000	334.5	278.6	274.4	251.9	248.6	246.2	243.3	227.6	196.9	181.6	246.0
Total	351	260	265	245	369	381	325	280	173	272	2,926

Vaccination rate by MSOA to 2nd Dec

<https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-vaccinations/>

Percentage of 18+ second dose vaccinated by MSOA with difference from the all-Stevenage average

% Vaccinated	Manor	Longmeadow	Bandley Hill	Woodfield & Old Town	Symonds Green	Chells	Roebuck	Martins Wood	Pin Green & Old Town	Shephall	St Nicholas	Bedwell	Stevenage
2nd dose	84.2%	82.3%	81.4%	81.3%	79.8%	80.1%	79.3%	77.8%	77.3%	77.0%	75.8%	71.5%	78.9%
Difference	5.3%	3.4%	2.5%	2.5%	0.9%	1.2%	0.4%	-1.1%	-1.6%	-1.9%	-3.0%	-7.4%	0.0%

Percentage of 18+ second dose vaccinated in Bedwell against the all-Stevenage average

	18-24	25-29	30-34	35-29	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+	Total
Stevenage	62.3%	64.5%	65.8%	71.3%	77.5%	80.5%	85.5%	88.3%	89.5%	92.4%	93.7%	96.5%	95.9%	78.9%
Difference	-7.5%	-2.8%	-3.4%	-3.2%	-2.0%	-3.6%	-2.3%	-1.2%	-1.5%	0.1%	-0.6%	1.1%	0.0%	-3.1%
Bedwell	57.6%	56.1%	58.4%	65.7%	67.6%	78.4%	78.8%	87.2%	85.3%	85.6%	89.5%	97.2%	95.6%	71.5%
Difference	-4.7%	-8.5%	-7.4%	-5.6%	-9.9%	-2.1%	-6.7%	-1.1%	-4.2%	-6.8%	-4.3%	0.8%	-0.3%	-7.4%

- A mobile vaccination unit is being organised, planned for two Saturdays in Dec (TBC)

Booster Jobs in Stevenage - 2nd Dec

MSOA name	Booster or 3rd dose								
	Under 50	50-54	55-59	60-64	65-69	70-74	75-79	80+	Total
St Nicholas	360	182	151	160	190	215	148	151	1,557
Woodfield & Old Town	698	287	277	360	414	453	375	495	3,359
Martins Wood	246	122	157	167	171	201	167	207	1,438
Chells North	230	147	192	237	313	248	203	210	1,780
Symonds Green	269	99	111	174	258	267	170	206	1,554
Pin Green & Old Town	343	163	168	218	251	292	268	422	2,125
Chells South	226	161	159	191	177	201	173	276	1,564
Bedwell	307	105	156	156	146	180	153	262	1,465
Bandley Hill	251	149	163	227	211	217	145	289	1,652
Shephall	250	105	136	161	146	166	146	195	1,305
Roebuck	234	106	138	179	201	228	176	225	1,487
Longmeadow	196	119	128	182	218	247	147	220	1,457
Stevenage	3,610	1,745	1,936	2,412	2,696	2,915	2,271	3,158	20,743

- Over 20,000 people in Stevenage have received a dose of their booster vaccine as of the 2nd December weekly NHS update.
- Data for age groups under 50 is not yet disaggregated. As with the First and Second dose data, we would expect this information to be provided as the roll out continues.