

Local & National Epidemiology Update

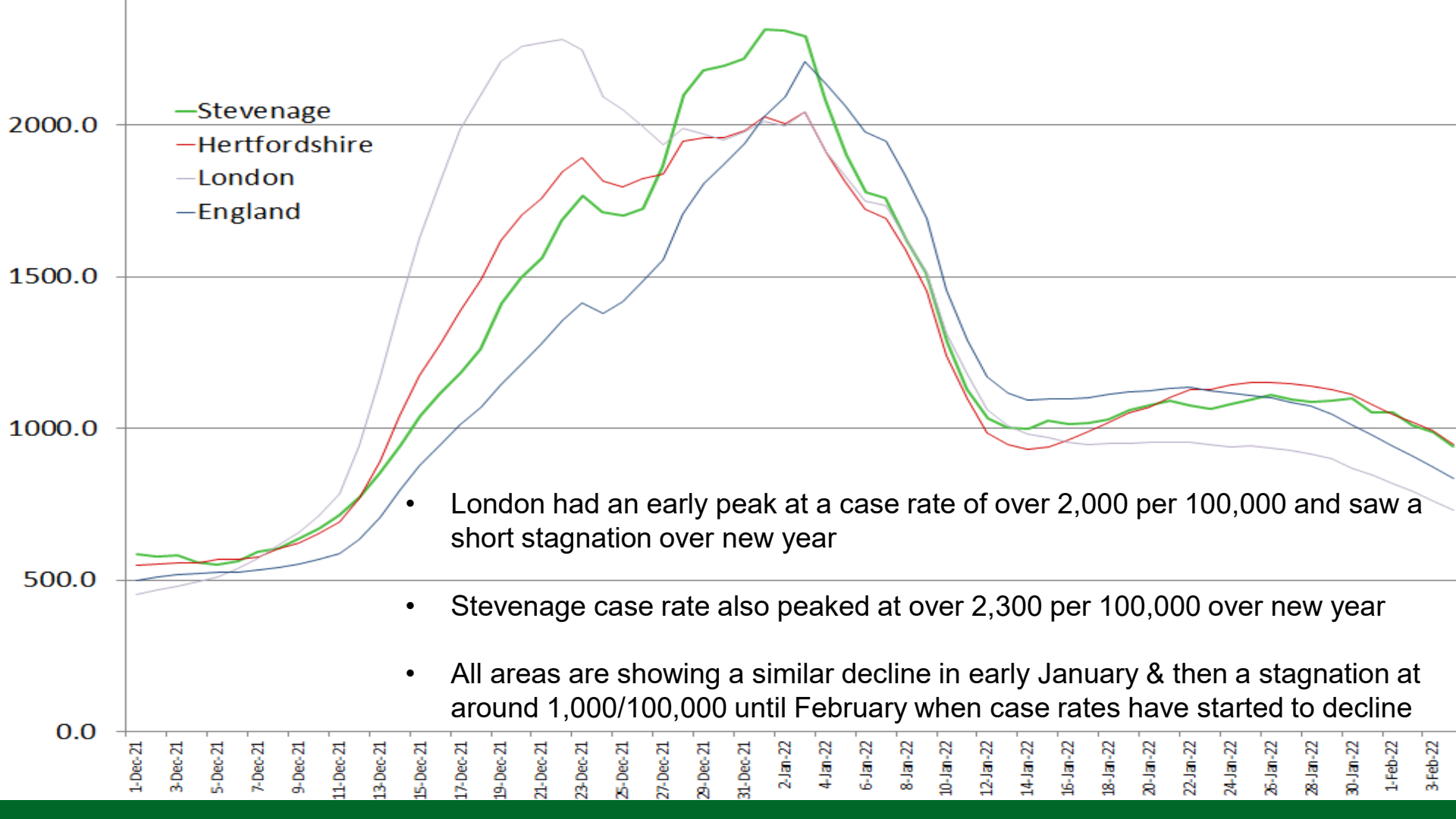
Exec 09 Feb 2022

Data update to midday 08 Feb 2022

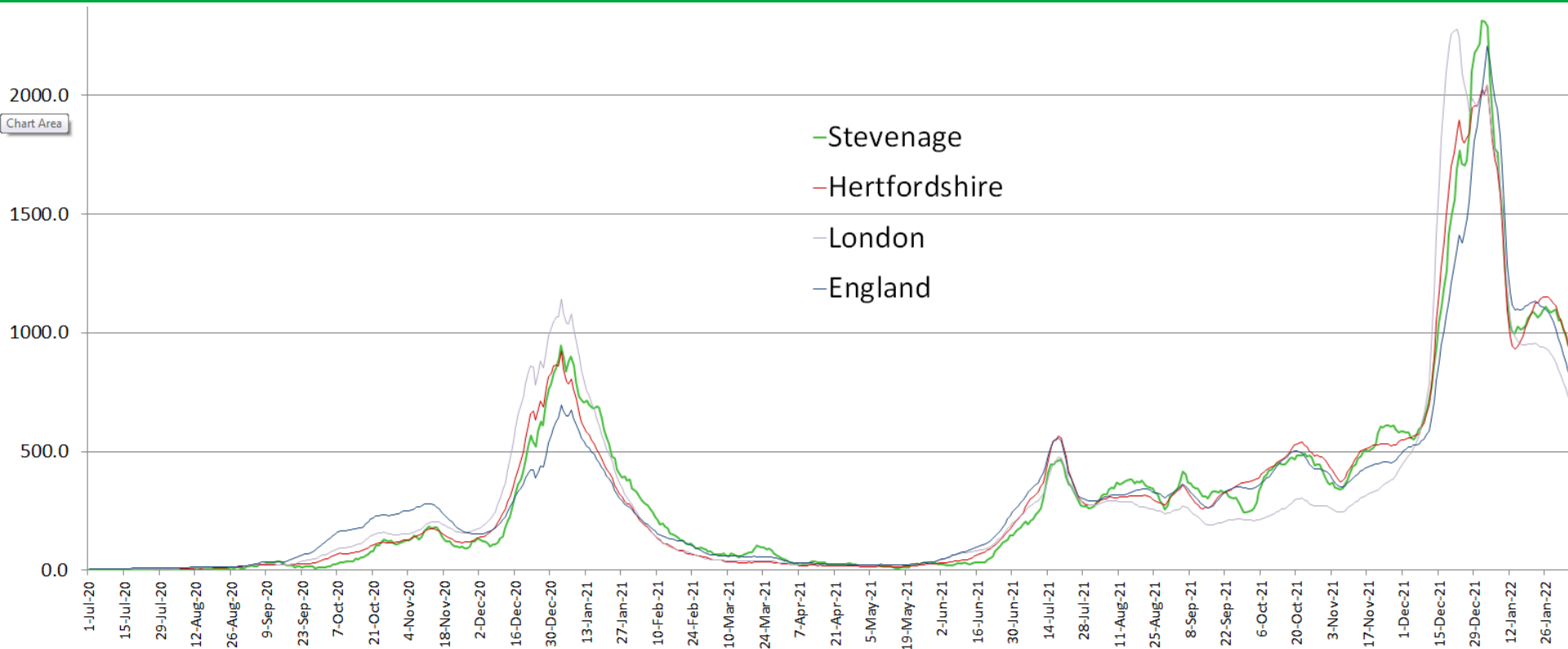
Local & National Epidemiology

Weekly case rate per 100,000 population * provisional	St Albans	Watford	North Hertfordshire	Three River	Dacorum	Stevenage	Hertsmere	Welwyn Hatfield	East Hertfordshire	Broxbourne	Hertfordshire	London	Essex	Luton	Bedford	Central Bedfordshire	England
*weekly change # cases	-377	-444	9	-214	-109	-128	-400	-224	-219	-210	-2,316	-16,637	-2,766	-896	-726	-877	-134,646
*29/01 - 04/02	1,117.5	1,087.2	1,085.6	1,059.8	1,056.5	941.4	907.4	816.8	777.3	542.8	946.5	730.8	758.1	904.0	1,015.6	994.3	834.1
22/01 - 28/01	1,371.5	1,547.0	1,078.8	1,289.1	1,126.9	1,087.1	1,288.6	998.8	923.6	758.6	1,141.2	916.4	943.8	1,324.6	1,434.6	1,298.1	1,073.3
15/01 - 21/01	1,167.4	1,640.1	966.5	1,320.1	1,030.0	1,091.7	1,368.7	986.6	876.1	762.8	1,101.0	954.4	984.3	1,614.2	1,746.2	1,268.3	1,130.3
08/01 - 14/01	890.5	1,300.5	763.6	1,008.3	906.5	997.2	1,165.7	861.5	782.6	826.5	931.2	980.6	852.1	1,387.9	1,342.8	1,047.3	1,094.4
01/01 - 07/01	1,524.4	2,088.5	1,430.0	1,770.2	1,649.6	1,757.6	1,865.2	1,649.0	1,654.1	1,793.8	1,693.7	1,735.3	1,655.3	2,062.9	1,913.5	1,685.8	1,945.2
25/12 - 31/12	1,708.3	2,233.5	1,656.8	1,821.6	2,012.8	2,217.5	2,162.6	1,727.0	2,144.9	2,355.1	1,981.1	1,976.3	2,116.9	1,859.6	1,904.9	1,929.0	1,940.0
18/12 - 24/12	1,926.5	1,714.7	1,545.3	1,690.9	1,837.0	1,713.2	1,858.6	1,759.5	2,012.7	2,032.3	1,816.9	2,093.0	1,738.7	1,264.5	1,402.8	1,467.9	1,380.2
11/12 - 17/12	1,631.5	1,303.6	1,328.1	1,426.2	1,292.3	1,182.8	1,378.2	1,352.4	1,483.8	1,379.5	1,387.0	1,983.9	1,282.0	973.9	941.2	1,123.2	1,012.8
04/12 - 10/12	785.4	590.2	704.5	674.0	633.2	671.6	548.0	668.9	640.4	577.7	655.3	709.7	681.3	531.8	638.8	783.0	567.8

- After a huge spike in cases throughout December peaking around 2,000/100,000, and a stagnation around 1,000/100,000 in January, we are starting to see case numbers come down again
- From 31st Jan 2022 the UKHSA using new case definition, all positives within 90 day period one case resulting in overall case increase of 4% <https://ukhsa.blog.gov.uk/2022/02/04/changing-the-covid-19-case-definition>



Confirmed cases July 2020-Feb 2022



Coronavirus in the community

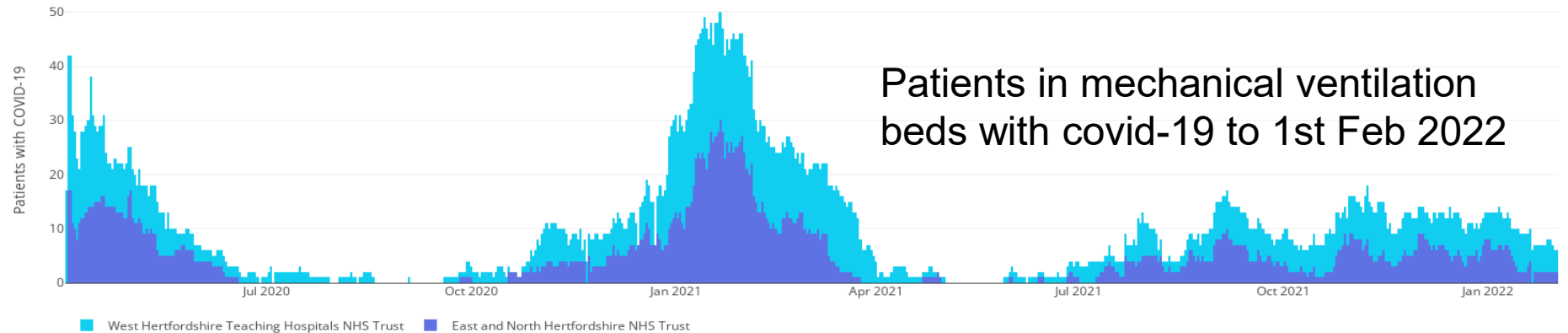
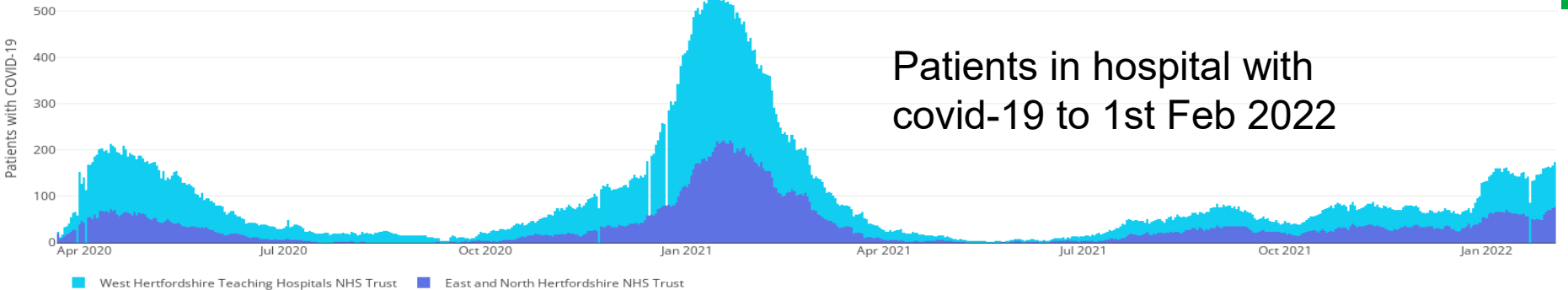
- The % of people testing positive for COVID-19 remained high in the week ending 29 January 2022
- The ONS estimates that 2,633,100 people in England had COVID-19 equating to around 1 in 20 people, similar to the rates throughout January 2022
- ONS Coronavirus (COVID-19) Infection Survey
www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionsurveypilot/latest

Case rate by Stevenage Ward/MSOAs

	St Nicholas	Woodfield + Old Town	Martins Wood	Chells	Bedwell	Shephall	Roebuck	Symonds Green	Longmeadow	Bandley Hill	Manor	Pin Green + Old Town	Stevenage
6 week 02/11- 12/01 Average rate & Cases	1,572.5	1,360.4	1,340.7	1,300.9	1,282.2	1,262.2	1,261.5	1,247.6	1,233.7	1,229.2	1,220.1	1,191.7	1,297.9
	120.2	167.2	85.0	88.7	102.0	80.5	87.3	75.2	72.3	82.0	75.0	104.8	1,140.2
27/01 - 02/02	1,295.5	1,196.3	1,183.0	1,408.5	565.7	925.1	982.2	1,045.6	1,108.6	1,004.3	1,122.5	829.8	1,054.1
20/01 - 26/01	1,504.8	1,082.4	1,293.4	1,027.0	1,106.2	1,034.8	621.1	879.7	1,023.4	1,109.3	1,252.6	1,136.8	1,094.0
13/01 - 19/01	1,295.5	984.7	977.9	792.3	993.1	1,034.8	693.3	630.7	1,125.7	989.4	585.7	784.4	915.2
06/01 - 12/01	1,256.2	1,074.2	1,009.5	983.0	1,081.1	1,160.2	1,227.8	946.1	818.7	824.5	797.1	1,000.3	1,025.7
30/12 - 05/01	2,224.5	1,806.6	1,971.6	1,775.2	1,998.7	1,630.6	1,820.0	2,207.5	1,705.6	1,544.0	1,740.7	1,875.6	1,861.2
23/12 - 29/12	1,858.2	2,018.2	1,608.8	1,819.2	1,948.5	1,787.4	2,224.5	1,775.9	1,620.3	1,903.8	1,822.0	1,523.2	1,837.3
16/12 - 22/12	1,439.4	1,692.7	1,466.9	1,540.5	1,483.3	1,520.9	1,776.7	1,444.0	1,347.4	1,559.0	1,626.8	1,273.2	1,520.9
09/12 - 15/12	798.2	870.8	851.7	983.0	829.7	1,270.0	650.0	630.7	938.1	1,004.3	1,106.2	727.5	880.0
02/12 - 08/12	497.3	569.7	425.9	586.9	716.5	1,066.2	375.6	514.5	614.0	494.7	504.3	557.0	576.0
25/11 - 01/12	850.6	667.3	520.5	410.8	502.8	658.5	592.2	514.5	631.1	614.6	520.6	318.3	569.2
18/11 - 24/11	785.1	545.2	425.9	601.5	603.4	454.7	678.9	697.1	511.7	824.5	357.9	522.9	585.1

Hospitalisations in Hertfordshire

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



- The number of patients with Covid-19 in hospital in Hertfordshire has increased since 30 Dec
- Covid-19 patients on mechanical ventilation has come down in the last week

Covid-19 related deaths in Hertfordshire

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

Week	Hertsmere	Watford	Three Rivers	Broxbourne	St Albans	Dacorum	North Hertfordshire	Welwyn Hatfield	Stevenage	East Hertfordshire	Total
First wave to 30/10/20	193	136	95	84	147	137	100	114	61	103	1,170
2nd wave 31/10/20-17/07/21	151	127	164	151	215	232	219	161	107	161	1,688
Third wave 18/07/21-31/12/21	22	20	15	26	28	36	24	27	21	38	257
01/01 - 07/01	3	4	0	4	3	3	4	1	2	4	28
08/01 - 14/01	5	0	2	2	4	2	4	3	4	2	28
15/01 - 21/01	4	1	2	1	3	6	0	3	1	2	23
22/01 - 28/01	1	2	2	1	4	5	2	0	2	3	22
Forth wave 01/01/22 - most recent	13	7	6	8	14	16	10	7	9	11	101
Rate per 100,000	361.2	300.3	300.0	276.5	272.1	272.0	264.3	251.1	225.4	209.0	270.4
Total	379	290	280	269	404	421	353	309	198	313	3,216

- With the impact on mortality of the Omicron wave starting at the end of Dec 21, throughout January there were provisionally 101 across Hertfordshire compared to 50 in December, with 9 additional Covid-19 related deaths of Stevenage residents, up from 6 in Dec.
- 198 Stevenage residents have died with Covid-19 on their death certificates to 28 Jan 2022

Comparison of Jan 2021 and Jan 2022

Week	Hertsmere	Watford	Three Rivers	Broxbourne	St Albans	Dacorum	North Hertfordshire	Welwyn Hatfield	Stevenage	East Hertfordshire	Total
02/01 - 08/01/21	26	17	21	19	22	31	20	17	7	14	194
09/01 - 15/01/21	18	15	21	21	22	33	28	19	9	21	207
16/01 - 22/01/21	11	16	27	23	24	33	35	30	17	21	237
23/01 - 29/01/21	16	18	20	14	24	17	32	29	13	18	201
January 2021	71	66	89	77	92	114	115	95	46	74	839
01/01 - 07/01/22	3	4	0	4	3	3	4	1	2	4	28
08/01 - 14/01/22	5	0	2	2	4	2	4	3	4	2	28
15/01 - 21/01/22	4	1	2	1	3	6	0	3	1	2	23
22/01 - 28/01/22	1	2	2	1	4	5	2	0	2	3	22
January 2022	13	7	6	8	14	16	10	7	9	11	101
Rate per 100,000	361.2	300.3	300.0	276.5	272.1	272.0	264.3	251.1	225.4	209.0	270.4
Total	379	290	280	269	404	421	353	309	198	313	3,216

- If we compare Covid-19 related deaths in January 2022 with January 2021, we can see the substantial impact the vaccination programme had on reducing deaths from the Omicron wave compared to the Delta wave.
- Total deaths in the comparable four week in January 2021 were the highest of the pandemic with 839 across the county and 46 Stevenage residents, compared to 101 and 9 in respectively January 2022.

Booster Jabs in Stevenage to 30th January 2022

www.england.nhs.uk/statistics/statistical-work-areas/covid-19-vaccinations

Percentage of 18+ to have take up their booster vaccine in Stevenage by 30th Jan 2022

Stevenage Booster		18-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+	Total
Stevenage	Vaccinated	2,347	2,596	3,421	3,707	3,807	3,982	4,868	5,265	4,354	3,409	3,220	2,401	3,421	46,798
	Population	7,091	6,814	8,086	7,585	6,640	6,031	6,659	6,676	5,303	3,908	3,550	2,568	3,768	74,679
	Population %	9.5%	9.1%	10.8%	10.2%	8.9%	8.1%	8.9%	8.9%	7.1%	5.2%	4.8%	3.4%	5.0%	100.0%
	% Vaccinated	33.1%	38.1%	42.3%	48.9%	57.3%	66.0%	73.1%	78.9%	82.1%	87.2%	90.7%	93.5%	90.8%	62.7%

% Vaccinated	Manor	Longmeadow	Bandle Hill	Woodfield & Old Town	Symonds Green	Chells	Roebuck	Martins Wood	Pin Green & Old Town	Shephall	St Nicholas	Bedwell	Stevenage
Booster& 3rd dose	71.1%	65.5%	66.2%	66.8%	64.7%	63.2%	61.5%	61.1%	61.5%	59.9%	58.3%	52.8%	62.7%
Difference	8.4%	2.8%	3.5%	4.1%	2.1%	0.5%	-1.2%	-1.6%	-1.2%	-2.8%	-4.4%	-9.8%	0.0%

- Almost 47,000 Stevenage residents have received a dose of their booster vaccine as of the 9th Jan 2022, up from 45,000 on 9th January and from 28,000 on 16th Dec 2021
- We see booster vaccine take up across the town following the same pattern as 1st& 2nd doses, with Bedwell ward being a clear outlier
- HCT have confirmed two consecutive Pop Up Vaccine clinics on Saturday 5th March 2022 and a follow up Clinic on Saturday 12th March 2022 both 9.30am & 4pm.

Proportion of critical care unvaccinated

- In Dec 2021, 61% of intensive care admissions were unvaccinated, out of less than 10% of the population.
- Unvaccinated over-70s were 58 times more likely to be admitted to intensive care than people who with three vaccine doses.
- UK Health Security Agency latest weekly vaccine surveillance report https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1052353/Vaccine_surveillance_report_-_week_5.pdf