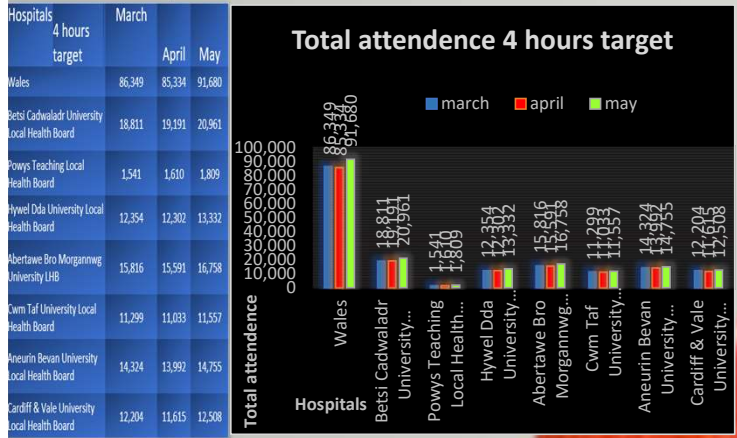
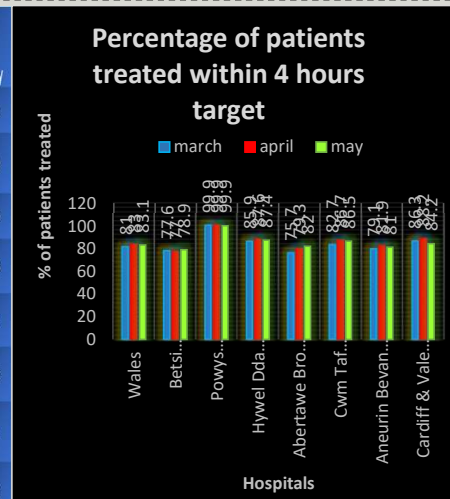


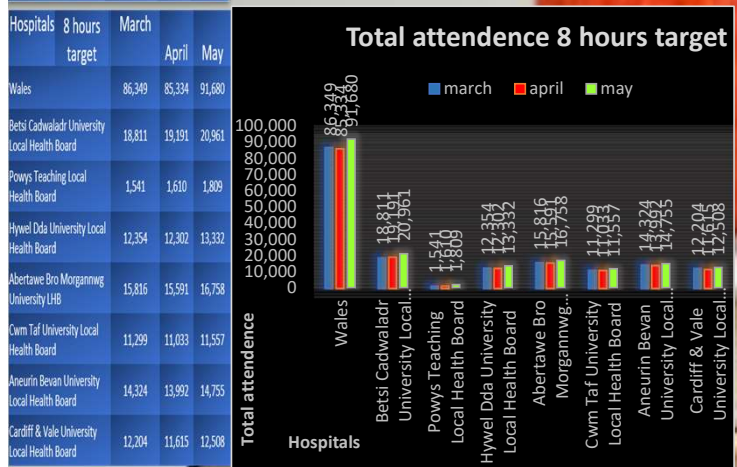
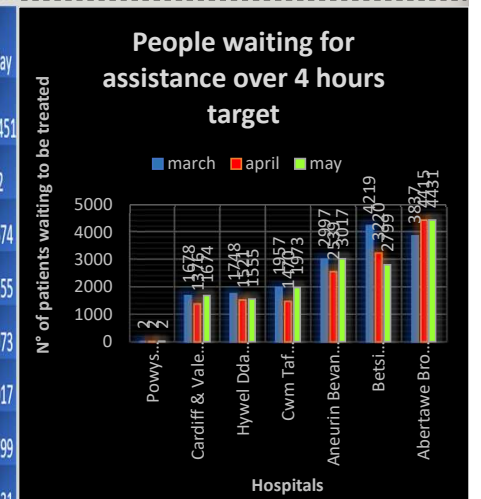
Question n° 1: How has the total number of patients seen in each area varied over the period?



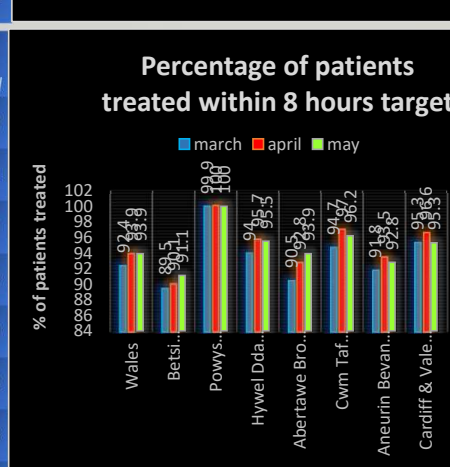
Hospitals	4 hours target	March	April	May
Wales		81	83	83.1
Betsi Cadwaladr University Local Health Board		77.6	77	78.9
Powys Teaching Local Health Board		99.9	99.9	99.9
Hywel Dda University Local Health Board		85.9	87.6	87.4
Abertawe Bro Morgannwg University LHB		75.7	79.3	82
Cwm Taf University Local Health Board		82.7	86.7	86.5
Aneurin Bevan University Local Health Board		79.1	81.9	81
Cardiff & Vale University Local Health Board		86.3	88.2	84.2



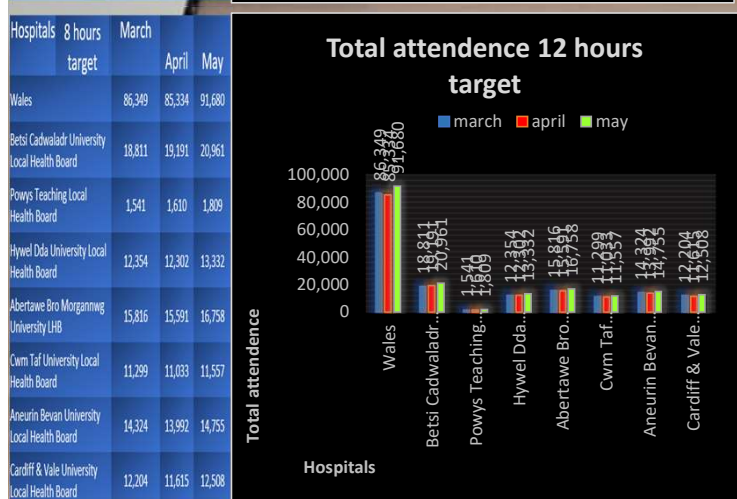
Hospitals	4 hours target	March	April	May
Wales		16,438	14,543	15,451
Powys Teaching Local Health Board		2	2	2
Cardiff & Vale University Local Health Board		1678	1376	1674
Hywel Dda University Local Health Board		1748	1521	1555
Cwm Taf University Local Health Board		1957	1470	1973
Aneurin Bevan University Local Health Board		2997	2539	3017
Betsi Cadwaladr University Local Health Board		4219	3220	2799
Abertawe Bro Morgannwg University LHB		3837	4415	4431



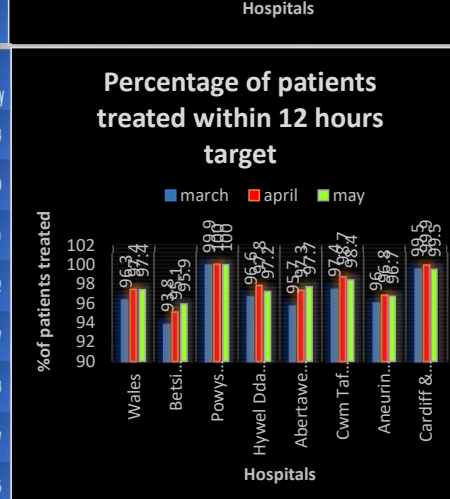
Hospitals	8 hours target	March	April	May
Wales		92.4	93.9	93.9
Betsi Cadwaladr University Local Health Board		89.5	90.1	91.1
Powys Teaching Local Health Board		99.9	100	100
Hywel Dda University Local Health Board		94	95.7	95.5
Abertawe Bro Morgannwg University LHB		90.5	92.8	93.9
Cwm Taf University Local Health Board		94.7	97	96.2
Aneurin Bevan University Local Health Board		91.8	93.5	92.8
Cardiff & Vale University Local Health Board		95.3	96.6	95.3



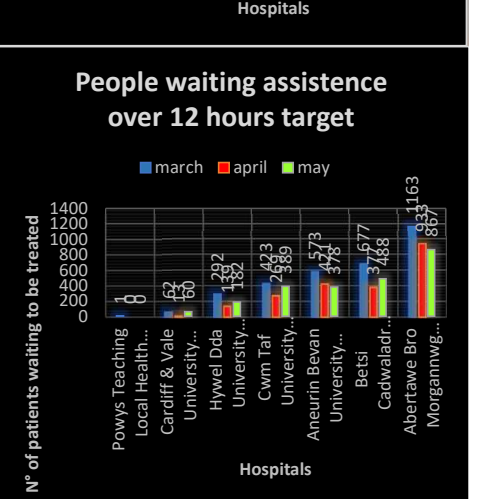
Hospital	8 hours target	March	April	May
Wales		6575	5185	5583
Powys Teaching Local Health Board		1	0	0
Cardiff & Vale University Local Health Board		577	326	441
Hywel Dda University Local Health Board		599	371	603
Cwm Taf University Local Health Board		739	527	586
Aneurin Bevan University Local Health Board		1172	914	1028
Betsi Cadwaladr University Local Health Board		1506	1129	1056
Abertawe Bro Morgannwg University LHB		1981	1898	1869



Hospitals	12 hours target	March	April	May
Wales		96.3	97.4	97.4
Betsi Cadwaladr University Local Health Board		91.8	95.1	95.9
Powys Teaching Local Health Board		99.9	100	100
Hywel Dda University Local Health Board		96.6	97.8	97.2
Abertawe Bro Morgannwg University LHB		95.7	97.3	97.7
Cwm Taf University Local Health Board		97.4	98.7	98.4
Aneurin Bevan University Local Health Board		96	96.8	96.7
Cardiff & Vale University Local Health Board		99.5	99.9	99.5



Hospitals	12 hours target	March	April	May
Wales		3191	2222	2364
Powys Teaching Local Health Board		1	0	0
Cardiff & Vale University Local Health Board		62	13	60
Hywel Dda University Local Health Board		292	139	182
Cwm Taf University Local Health Board		423	269	389
Aneurin Bevan University Local Health Board		573	421	378
Betsi Cadwaladr University Local Health Board		677	377	488
Abertawe Bro Morgannwg University LHB		1163	933	867



Data Analysis and Visualisation (ACCB4002) Lecturer: Anupam Mazumdar

Question n° 3: Do smaller health boards have better treatment times?

Analysing the data tables below we can state that it's not always the case that small health boards give the best service

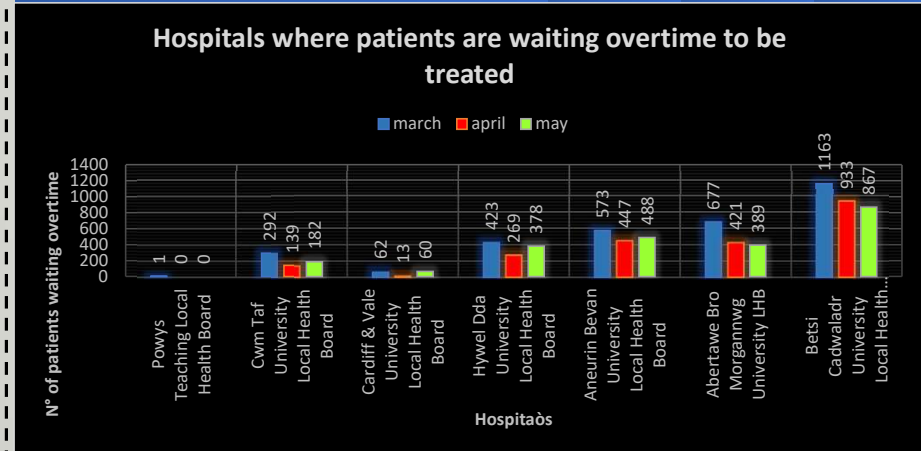
March	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E	April	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E	May	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E
Wales	86,349	69,911	81	Wales	85,334	70,791	83	Wales	91,680	76,229	83.1
Powys Teaching Local Health Board	1,541	1,539	99.9	Powys Teaching Local Health Board	1,610	1,608	99.9	Powys Teaching Local Health Board	1,809	1,807	99.9
Cwm Taf University Local Health Board	11,299	9,342	82.7	Cwm Taf University Local Health Board	11,033	9,563	86.7	Cwm Taf University Local Health Board	11,557	10,002	86.5
Cardiff & Vale University Local Health Board	12,204	10,526	86.3	Cardiff & Vale University Local Health Board	11,615	10,239	88.2	Cardiff & Vale University Local Health Board	12,508	10,535	84.2
Hywel Dda University Local Health Board	12,354	10,606	85.9	Hywel Dda University Local Health Board	12,302	10,781	87.6	Hywel Dda University Local Health Board	13,332	11,658	87.4
Aneurin Bevan University Local Health Board	14,324	11,327	79.1	Aneurin Bevan University Local Health Board	13,992	11,453	81.9	Aneurin Bevan University Local Health Board	14,755	11,956	81
Abertawe Bro Morgannwg University LHB	15,816	11,979	75.7	Abertawe Bro Morgannwg University LHB	15,591	12,371	79.3	Abertawe Bro Morgannwg University LHB	16,758	13,741	82
Betsi Cadwaladr University Local Health Board	18,811	14,592	77.6	Betsi Cadwaladr University Local Health Board	19,191	14,776	77	Betsi Cadwaladr University Local Health Board	20,961	16,530	78.9

March	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E	April	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E	May	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E
Wales	86,349	79,774	92.4	Wales	85,334	80,149	93.9	Wales	91,680	86,097	93.9
Powys Teaching Local Health Board	1,541	1,540	99.9	Powys Teaching Local Health Board	1,610	1,610	100	Powys Teaching Local Health Board	1,809	1,809	100
Cwm Taf University Local Health Board	11,299	10,700	94.7	Cwm Taf University Local Health Board	11,033	10,707	97	Cwm Taf University Local Health Board	11,557	11,116	96.2
Cardiff & Vale University Local Health Board	12,204	11,627	95.3	Cardiff & Vale University Local Health Board	11,615	11,224	96.6	Cardiff & Vale University Local Health Board	12,508	11,922	95.3
Hywel Dda University Local Health Board	12,354	11,615	94	Hywel Dda University Local Health Board	12,302	11,775	95.7	Hywel Dda University Local Health Board	13,332	12,729	95.5
Aneurin Bevan University Local Health Board	14,324	13,152	91.8	Aneurin Bevan University Local Health Board	13,992	13,078	93.5	Aneurin Bevan University Local Health Board	14,755	13,699	92.8
Abertawe Bro Morgannwg University LHB	15,816	14,310	90.5	Abertawe Bro Morgannwg University LHB	15,591	14,462	92.8	Abertawe Bro Morgannwg University LHB	16,758	15,730	93.9
Betsi Cadwaladr University Local Health Board	18,811	16,830	89.5	Betsi Cadwaladr University Local Health Board	19,191	17,293	90.1	Betsi Cadwaladr University Local Health Board	20,961	19,092	91.1

March	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E	April	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E	May	Total attendances	Attendances where patients spend less than the target time in A&E	Percentage of patients who spend less than the target time in A&E
Wales	86,349	83,158	96.3	Wales	85,334	83,112	97.4	Wales	91,680	89,316	97.4
Powys Teaching Local Health Board	1,541	1,540	99.9	Powys Teaching Local Health Board	1,610	1,610	100	Powys Teaching Local Health Board	1,809	1,809	100
Cwm Taf University Local Health Board	11,299	11,007	97.4	Cwm Taf University Local Health Board	11,033	10,894	98.7	Cwm Taf University Local Health Board	11,557	11,375	98.4
Cardiff & Vale University Local Health Board	12,204	12,142	99.5	Cardiff & Vale University Local Health Board	11,615	11,602	99.9	Cardiff & Vale University Local Health Board	12,508	12,448	99.5
Hywel Dda University Local Health Board	12,354	11,931	96.6	Hywel Dda University Local Health Board	12,302	12,033	97.8	Hywel Dda University Local Health Board	13,332	12,954	97.2
Aneurin Bevan University Local Health Board	14,324	13,751	96	Aneurin Bevan University Local Health Board	13,992	13,545	96.8	Aneurin Bevan University Local Health Board	14,755	14,267	96.7
Abertawe Bro Morgannwg University LHB	15,816	15,139	95.7	Abertawe Bro Morgannwg University LHB	15,591	15,170	97.3	Abertawe Bro Morgannwg University LHB	16,758	16,369	97.7
Betsi Cadwaladr University Local Health Board	18,811	17,648	93.8	Betsi Cadwaladr University Local Health Board	19,191	18,258	95.1	Betsi Cadwaladr University Local Health Board	20,961	20,094	95.9

Question n°4: Assuming that they have an injury that could be treated at any hospital, in which health board area are they most likely to have to wait over 12 hours?
Observing the data given below, we can state that the hospital in which they are most likely to wait more than 12 hours will be the **Betsi**.

12 hours target time	march	april	may
Powys Teaching Local Health Board	1	0	0
Cwm Taf University Local Health Board	292	139	182
Cardiff & Vale University Local Health Board	62	13	60
Hywel Dda University Local Health Board	423	269	378
Aneurin Bevan University Local Health Board	573	447	488
Abertawe Bro Morgannwg University LHB	677	421	389
Betsi Cadwaladr University Local Health Board	1163	933	867



Question n° 5: Assuming that they have an injury that could be treated at any hospital, in which health board area are they most likely to have to wait less than 4 hours?

Observing the data given below we can say that the hospital that will treat them more likely waiting less than 4 hours will be the **Powys**.

4 hours target time	march	april	may
Powys Teaching Local Health Board	2	2	2
Cwm Taf University Local Health Board	1957	1470	1555
Cardiff & Vale University Local Health Board	1678	1376	1973
Hywel Dda University Local Health Board	1748	1521	1674
Aneurin Bevan University Local Health Board	2997	2539	2799
Abertawe Bro Morgannwg University LHB	3837	3220	3017
Betsi Cadwaladr University Local Health Board	4219	4415	4431

