

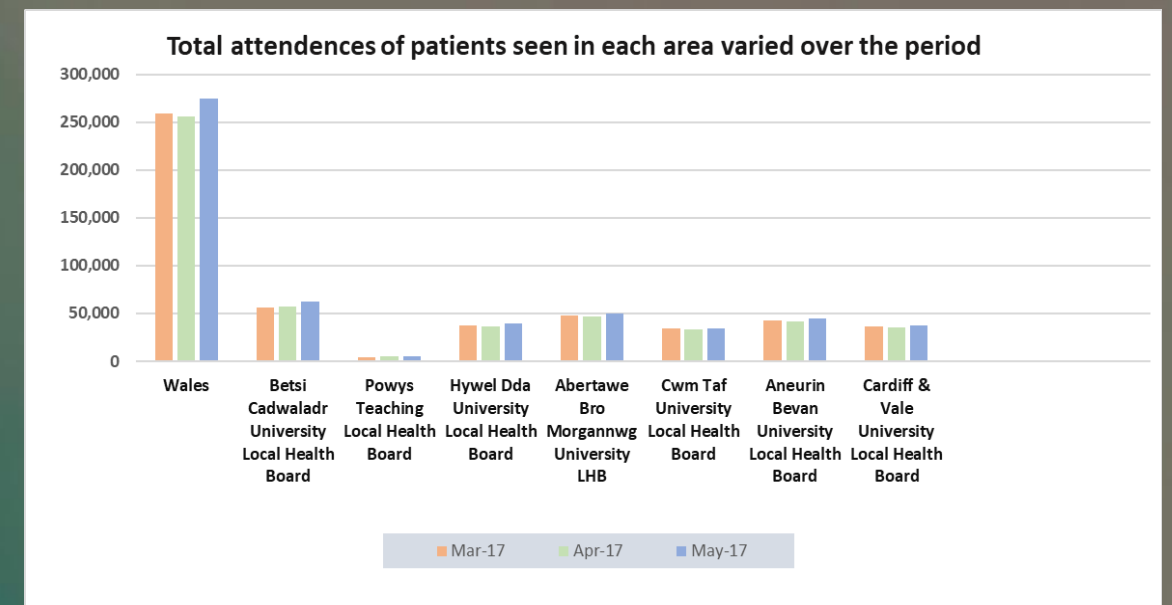
Paula Anna Dzitkowska 2014385

Data Analysis & Visualisation ACCB4002

Assignment 1 Task 2 Poster

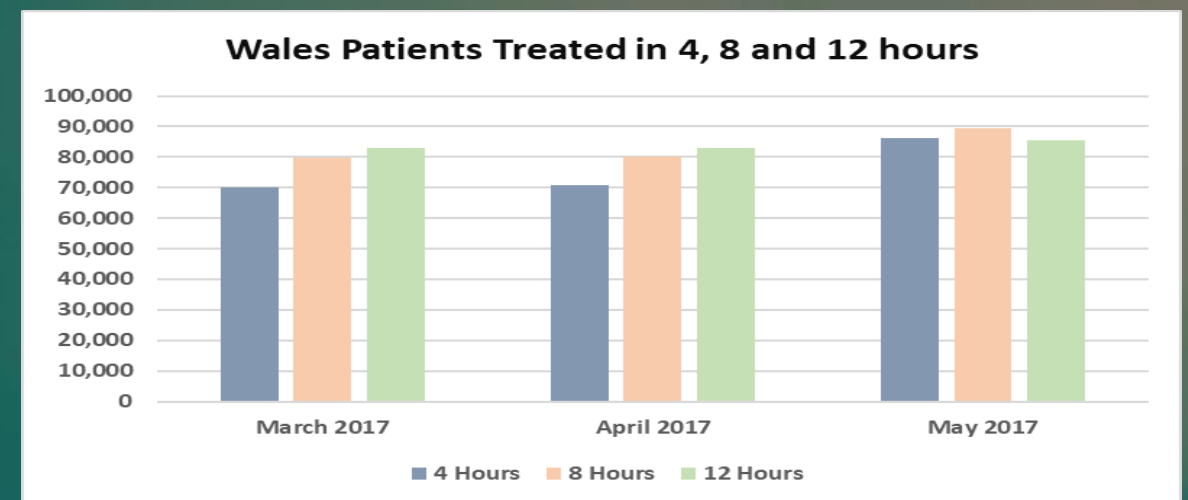
Q1: How has the total number of patients seen in each area varied over the period?

HOSPITALS	Mar-17	Apr-17	May-17
Wales	259,047	256,002	275,040
Betsi Cadwaladr University Local Health Board	56,433	57,573	62,883
Powys Teaching Local Health Board	4,623	4,830	5,427
Hywel Dda University Local Health Board	37,062	36,906	39,996
Abertawe Bro Morgannwg University LHB	47,448	46,773	50,274
Cwm Taf University Local Health Board	33,897	33,099	34,671
Aneurin Bevan University Local Health Board	42,972	41,976	44,265
Cardiff & Vale University Local Health Board	36,612	34,845	37,524



Q2: How have the proportions of patients treated within 4 hours, 8 hours, 12 hours and over 12 hours varied in Wales over the period?

Wales Patient	4 Hours	8 Hours	12 Hours
March 2017	69,911	79,774	83,158
April 2017	70,791	80,149	83,112
May 2017	86,097	89,316	85,334



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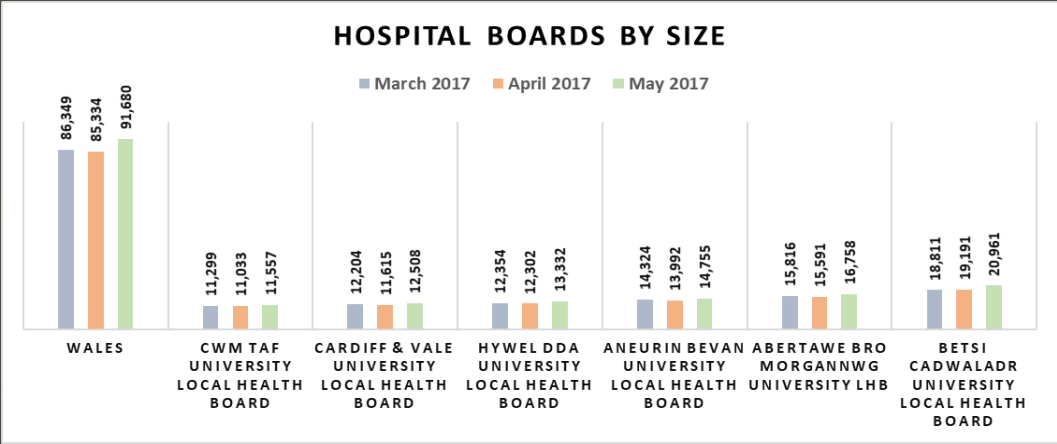
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Q3: Do smaller health boards have better treatment time?

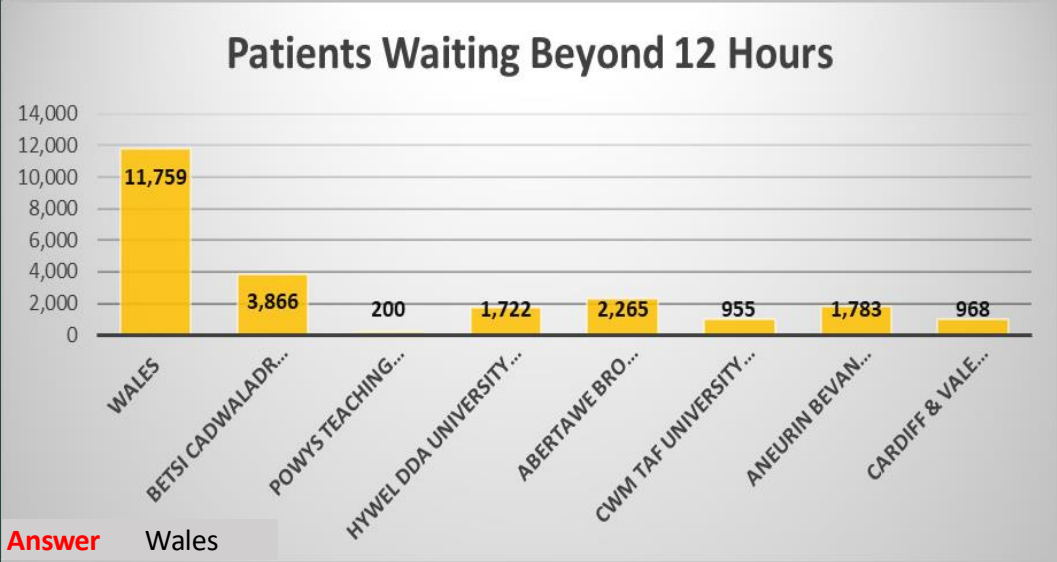
HOSPITALS	March 2017	April 2017	May 2017
Wales	86,349	85,334	91,680
Cwm Taf University Local Health Board	11,299	11,033	11,557
Cardiff & Vale University Local Health Board	12,204	11,615	12,508
Hywel Dda University Local Health Board	12,354	12,302	13,332
Aneurin Bevan University Local Health Board	14,324	13,992	14,755
Abertawe Bro Morgannwg University LHB	15,816	15,591	16,758
Betsi Cadwaladr University Local Health Board	18,811	19,191	20,961
Powys Teaching Local Health Board	1,541	1,610	1,809

Answer Yes, smaller boards got shorter tretament times. As shown in the chart above



Q4: Assuming that they have an injury that could be treated at any hospital, in which health board area they most likely have to wait over 12 hours?

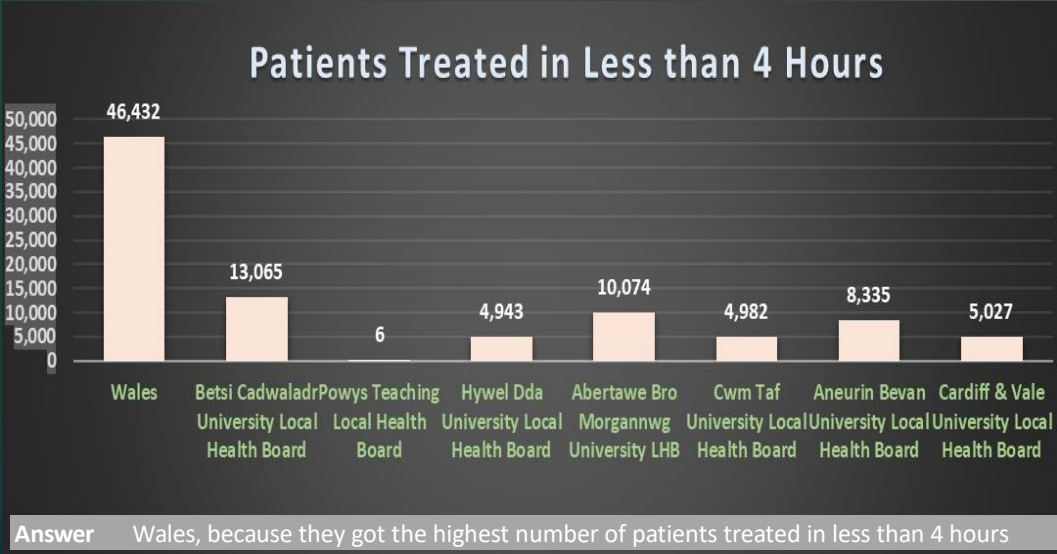
HOSPITALS	Over 12 Hours Wait in March					Over 12 Hours Wait in April			Over 12 Hours Wait in May	Patients Waiting Beyond 12 Hours	
	Wales	86,349	83,158	3,191	85,334	83,112	2,222	91,680	85,334	6,346	11,759
	Betsi Cadwaladr University Local Health Board	18,811	17,648	1,163	19,191	18,258	933	20,961	19,191	1,770	3,866
	Powys Teaching Local Health Board	1,541	1,540	1	1,610	1,610	0	1,809	1,610	199	200
	Hywel Dda University Local Health Board	12,354	11,931	423	12,302	12,033	269	13,332	12,302	1,030	1,722
	Abertawe Bro Morgannwg University LHB	15,816	15,139	677	15,591	15,170	421	16,758	15,591	1,167	2,265
	Cwm Taf University Local Health Board	11,299	11,007	292	11,033	10,894	139	11,557	11,033	524	955
	Aneurin Bevan University Local Health Board	14,324	13,751	573	13,992	13,545	447	14,755	13,992	763	1,783
	Cardiff & Vale University Local Health Board	12,204	12,142	62	11,615	11,602	13	12,508	11,615	893	968



Answer Wales

Q5: Assuming that they have an injury that could be treated at any hospital, in which health board area they most likely to have to wait less than 4 hours?

HOSPITALS			Less than 4 Hours Wait in March			Less than 4 Hours Wait in April			Less than 4 Hours Wait in May	Patients Treated in Less than 4 Hours
Wales	86,349	69,911	16,438	85,334	70,791	14,543	91,680	76,229	15,451	46,432
Betsi Cadwaladr University Local Health Board	18,811	14,592	4,219	19,191	14,776	4,415	20,961	16,530	4,431	13,065
Powys Teaching Local Health Board	1,541	1,539	2	1,610	1,608	2	1,809	1,807	2	6
Hywel Dda University Local Health Board	12,354	10,606	1,748	12,302	10,781	1,521	13,332	11,658	1,674	4,943
Abertawe Bro Morgannwg University LHB	15,816	11,979	3,837	15,591	12,371	3,220	16,758	13,741	3,017	10,074
Cwm Taf University Local Health Board	11,299	9,342	1,957	11,033	9,563	1,470	11,557	10,002	1,555	4,982
Aneurin Bevan University Local Health Board	14,324	11,327	2,997	13,992	11,453	2,539	14,755	11,956	2,799	8,335
Cardiff & Vale University Local Health Board	12,204	10,526	1,678	11,615	10,239	1,376	12,508	10,535	1,973	5,027



Answer Wales, because they got the highest number of patients treated in less than 4 hours