

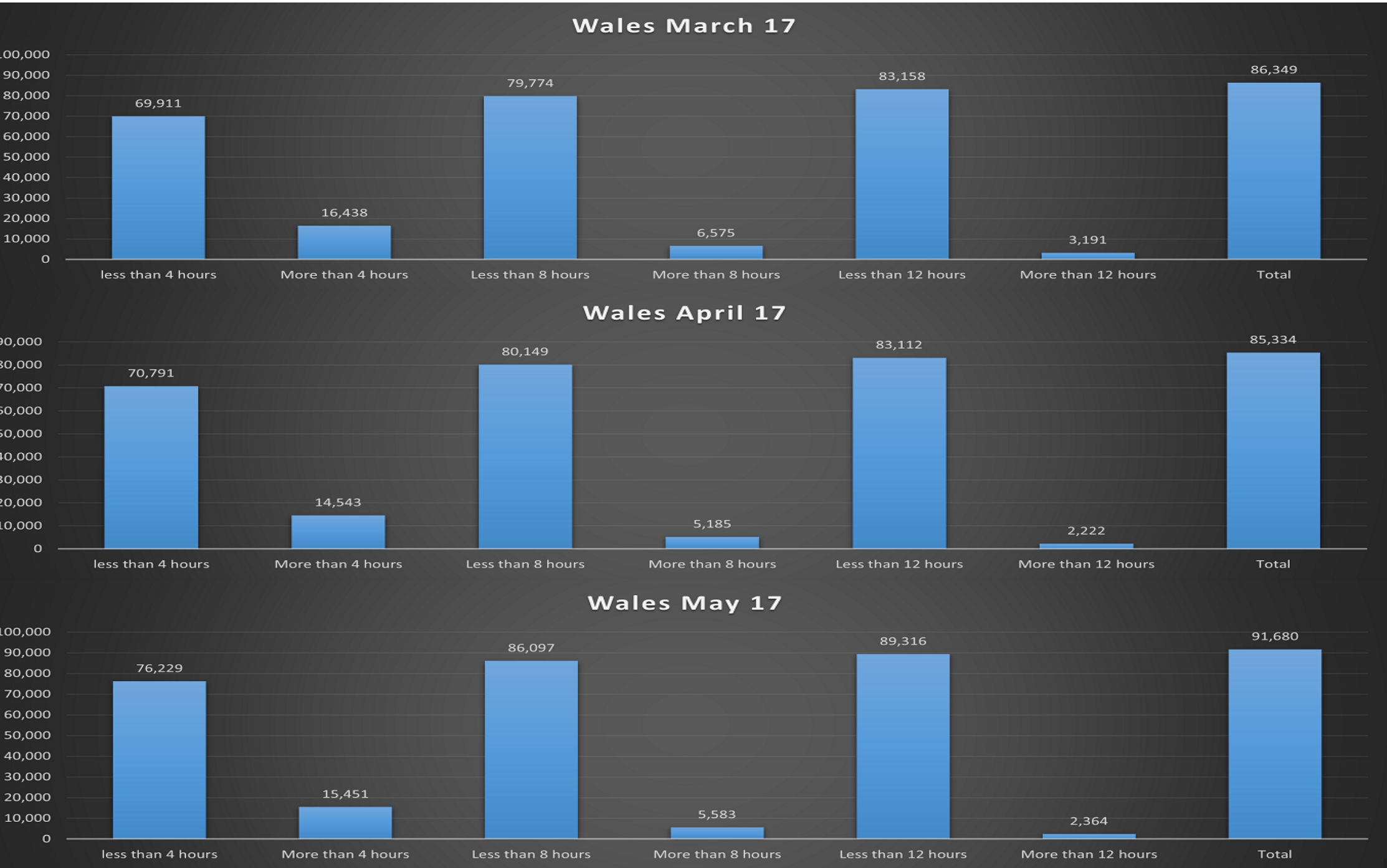
Data Analysis & Visualisation ACCB4002 LON Assessment 1 Task 2

Report about the attendance of hospitals in Wales from the period of March, April and May 2017.

1. How has the total number of patients seen in each area varied over the period?

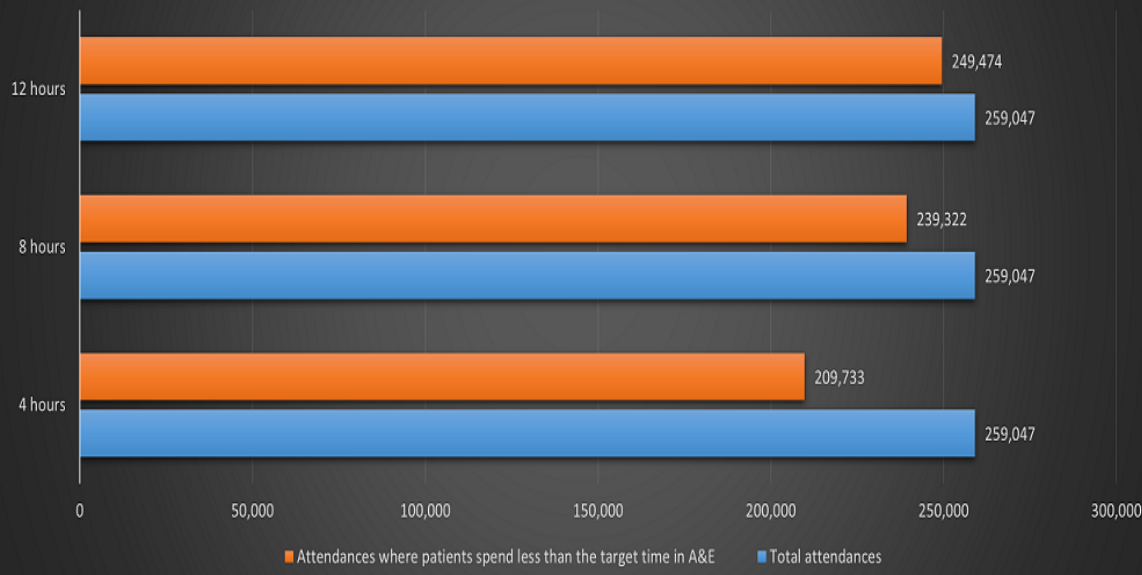


2. How have the proportions of patients treated within 4 hours, 8 hours, 12 hours and over 12 hours varied in Wales over the period?

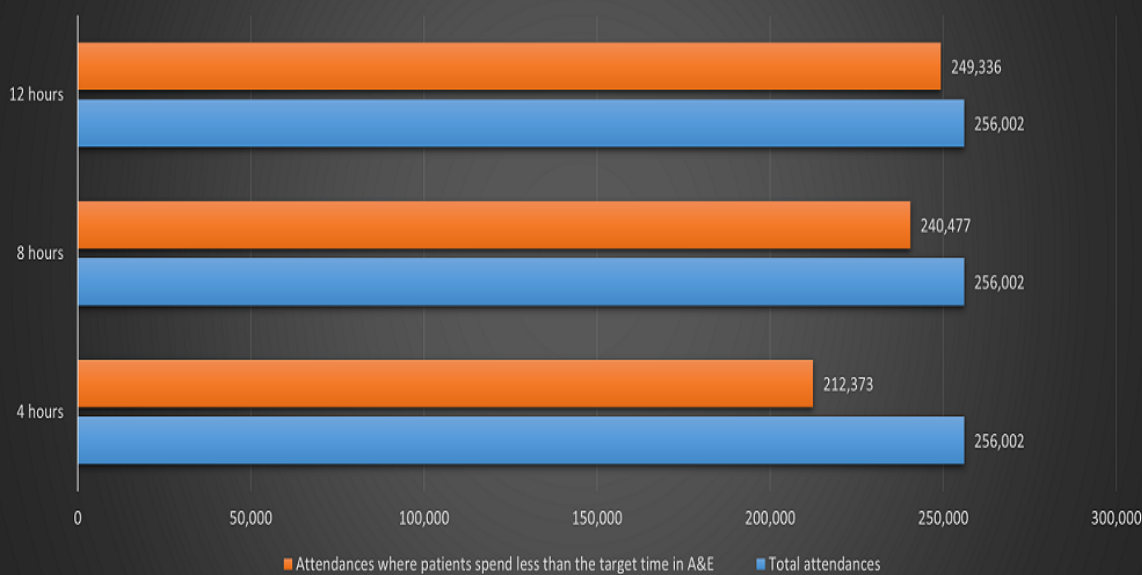


Mar-17				Apr-17				May-17			
less than 4 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E	less than 4 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E	less than 4 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E
Wales	86,349	69,911	16,438	Wales	85,334	70,791	14,543	Wales	91,680	76,229	15,451
less than 8 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E	less than 8 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E	less than 8 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E
Wales	86,349	79,774	6,575	Wales	85,334	80,149	5,185	Wales	91,680	86,097	5,583
less than 12 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E	less than 12 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E	less than 12 hours	Total attendances	Attendances where patients spend less than the target time	Patients who spend more than the target time in A&E
Wales	86,349	83,158	3,191	Wales	85,334	83,112	2,222	Wales	91,680	89,316	2,364

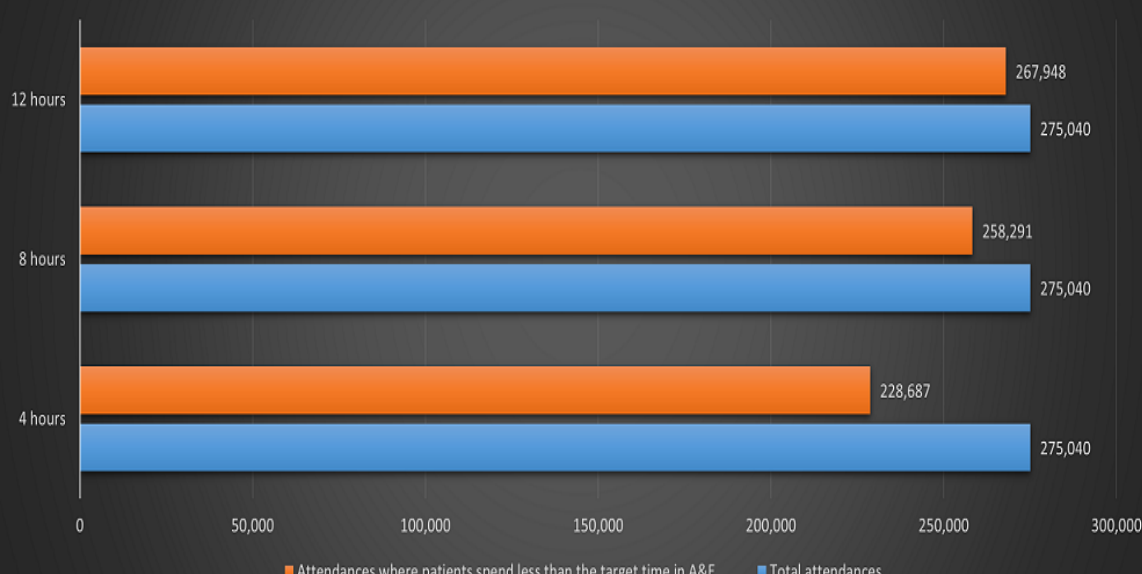
March 17



April 17



May 17



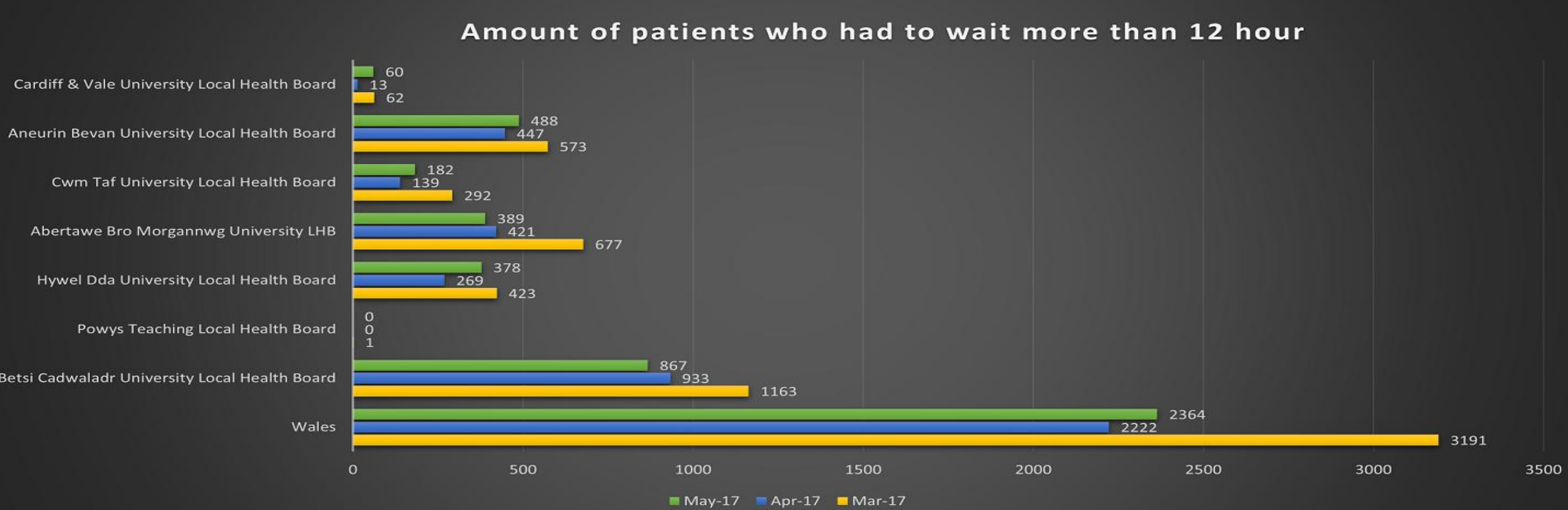
Abertawe Bro Morgannwg University LHB	15,816	11,979
Cwm Taf University Local Health Board	11,299	9,342
Aneurin Bevan University Local Health Board	14,324	11,327
Cardiff & Vale University Local Health Board	12,204	10,526
Total	259,047	209,733
8 hours	Total attendances	Attendances where patients spend less than the target time in A&E
Wales	86,349	79,774
Betsi Cadwaladr University Local Health Board	18,811	16,830
Powys Teaching Local Health Board	1,541	1,540
Hywel Dda University Local Health Board	12,354	11,615
Abertawe Bro Morgannwg University LHB	15,816	14,310
Cwm Taf University Local Health Board	11,299	10,700
Aneurin Bevan University Local Health Board	14,324	13,152
Cardiff & Vale University Local Health Board	12,204	11,627
Total	259,047	239,322
12 hours	Total attendances	Attendances where patients spend less than the target time in A&E
Wales	86,349	83,158
Betsi Cadwaladr University Local Health Board	18,811	17,648
Powys Teaching Local Health Board	1,541	1,540
Hywel Dda University Local Health Board	12,354	11,931
Abertawe Bro Morgannwg University LHB	15,816	15,139
Cwm Taf University Local Health Board	11,299	11,007
Aneurin Bevan University Local Health Board	14,324	13,751
Cardiff & Vale University Local Health Board	12,204	12,142
Total	259,047	249,474

Abertawe Bro Morgannwg University LHB	15,591	12,371
Cwm Taf University Local Health Board	11,033	9,563
Aneurin Bevan University Local Health Board	13,992	11,453
Cardiff & Vale University Local Health Board	11,615	10,239
Total	256,002	212,373
8 hours	Total attendances	Attendances where patients spend less than the target time in A&E
Wales	85,334	80,149
Betsi Cadwaladr University Local Health Board	19,191	17,293
Powys Teaching Local Health Board	1,610	1,610
Hywel Dda University Local Health Board	12,302	11,775
Abertawe Bro Morgannwg University LHB	15,591	14,462
Cwm Taf University Local Health Board	11,033	10,707
Aneurin Bevan University Local Health Board	13,992	13,078
Cardiff & Vale University Local Health Board	11,615	11,224
Total	256,002	240,477
12 hours	Total attendances	Attendances where patients spend less than the target time in A&E
Wales	85,334	83,112
Betsi Cadwaladr University Local Health Board	19,191	18,258
Powys Teaching Local Health Board	1,610	1,610
Hywel Dda University Local Health Board	12,302	12,033
Abertawe Bro Morgannwg University LHB	15,591	15,170
Cwm Taf University Local Health Board	11,033	10,894
Aneurin Bevan University Local Health Board	13,992	13,545
Cardiff & Vale University Local Health Board	11,615	11,602
Total	256,002	249,366

Abertawe Bro Morgannwg University LHB	16,758	13,741
Cwm Taf University Local Health Board	11,557	10,002
Aneurin Bevan University Local Health Board	14,755	11,956
Cardiff & Vale University Local Health Board	12,508	10,535
Total	275,040	228,687
8 hours	Total attendances	Attendances where patients spend less than the target time in A&E
Wales	91,680	86,097
Betsi Cadwaladr University Local Health Board	20,961	19,092
Powys Teaching Local Health Board	1,809	1,809
Hywel Dda University Local Health Board	13,332	12,729
Abertawe Bro Morgannwg University LHB	16,758	15,730
Cwm Taf University Local Health Board	11,557	11,116
Aneurin Bevan University Local Health Board	14,755	13,699
Cardiff & Vale University Local Health Board	12,508	11,922
Total	275,040	258,291
12 hours	Total attendances	Attendances where patients spend less than the target time in A&E
Wales	91,680	89,316
Betsi Cadwaladr University Local Health Board	20,961	20,094
Powys Teaching Local Health Board	1,809	1,809
Hywel Dda University Local Health Board	13,332	12,954
Abertawe Bro Morgannwg University LHB	16,758	16,369
Cwm Taf University Local Health Board	11,557	11,375
Aneurin Bevan University Local Health Board	14,755	14,267
Cardiff & Vale University Local Health Board	12,508	12,448
Total	275,040	267,948

3. Do smaller health boards have better treatment times?

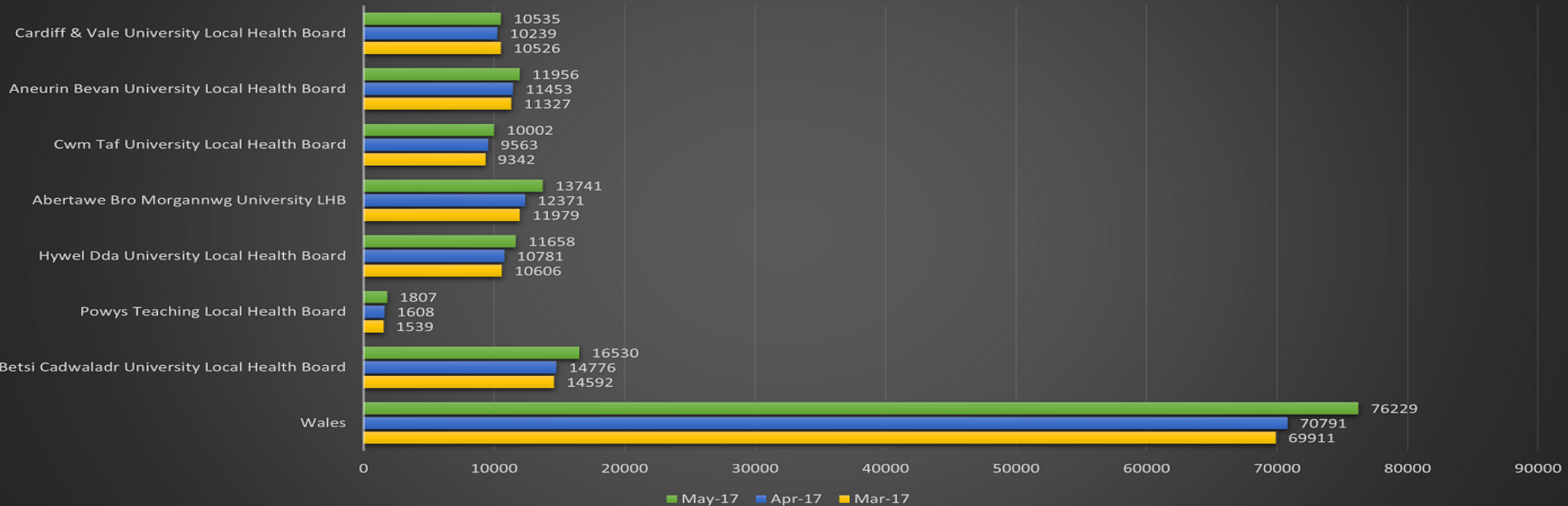
4. Assuming that they have an injury that could be treated at any hospital, in which health board area are they most likely to have to wait over 12 hours?



Mar-17				Apr-17			
12 hours				12 hours			
Total attendances				Total attendances			
Attendances where patients spend less than the target time in A&E				Attendances where patients spend less than the target time in A&E			
Patients who spend more than the target time in A&E				Patients who spend more than the target time in A&E			
Wales				Wales			
Betsi Cadwaladr University Local Health Board				Betsi Cadwaladr University Local Health Board			
Powys Teaching Local Health Board				Powys Teaching Local Health Board			
Hywel Dda University Local Health Board				Hywel Dda University Local Health Board			
Abertawe Bro Morgannwg University LHB				Abertawe Bro Morgannwg University LHB			
Cwm Taf University Local Health Board				Cwm Taf University Local Health Board			
Aneurin Bevan University Local Health Board				Aneurin Bevan University Local Health Board			
Cardiff & Vale University Local Health Board				Cardiff & Vale University Local Health Board			
May-17							
12 hours							
Total attendances				Total attendances			
Attendances where patients spend less than the target time in A&E				Attendances where patients spend less than the target time in A&E			
Patients who spend more than the target time in A&E				Patients who spend more than the target time in A&E			
Wales				Wales			
Betsi Cadwaladr University Local Health Board				Betsi Cadwaladr University Local Health Board			
Powys Teaching Local Health Board				Powys Teaching Local Health Board			
Hywel Dda University Local Health Board				Hywel Dda University Local Health Board			
Abertawe Bro Morgannwg University LHB				Abertawe Bro Morgannwg University LHB			
Cwm Taf University Local Health Board				Cwm Taf University Local Health Board			
Aneurin Bevan University Local Health Board				Aneurin Bevan University Local Health Board			
Cardiff & Vale University Local Health Board				Cardiff & Vale University Local Health Board			

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?

Amount of patients who had spend less than 4 hour



Mar-17				Apr-17			
	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		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
4 hours				4 hours			
Wales	86,349	69,911	81	Wales	85,334	70,791	83
Betsi Cadwaladr University Local Health Board	18,811	14,592	77.6	Betsi Cadwaladr University Local Health Board	19,191	14,776	77
Powys Teaching Local Health Board	1,541	1,539	99.9	Powys Teaching Local Health Board	1,610	1,608	99.9
Hywel Dda University Local Health Board	12,354	10,606	85.9	Hywel Dda University Local Health Board	12,302	10,781	87.6
Abertawe Bro Morgannwg University LHB	15,816	11,979	75.7	Abertawe Bro Morgannwg University LHB	15,591	12,371	79.3
Cwm Taf University Local Health Board	11,299	9,342	82.7	Cwm Taf University Local Health Board	11,033	9,563	86.7
Aneurin Bevan University Local Health Board	14,324	11,327	79.1	Aneurin Bevan University Local Health Board	13,992	11,453	81.9
Cardiff & Vale University Local Health Board	12,204	10,526	86.3	Cardiff & Vale University Local Health Board	11,615	10,239	88.2
May-17							
	Total attendances	Attendances where patients spend less than the target time	Percentage of patients who spend less than the target time in A&E		Total attendances	Attendances where patients spend less than the target time	Percentage of patients who spend less than the target time in A&E
4 hours							
Wales	91,680	76,229	83.1				
Betsi Cadwaladr University Local Health Board	20,961	16,530	78.9				
Powys Teaching Local Health Board	1,809	1,807	99.9				
Hywel Dda University Local Health Board	13,332	11,658	87.4				
Abertawe Bro Morgannwg University LHB	16,758	13,741	82				
Cwm Taf University Local Health Board	11,557	10,002	86.5				
Aneurin Bevan University Local Health Board	14,755	11,956	81				
Cardiff & Vale University Local Health Board	12,508	10,535	84.2				