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Distribution: WM SHA, PCTs, Maternity Units.

West Midlands Perinatal Data Report: Quarter 2: July to October 2009

This is the second quarterly report on the new regional perinatal data collection established under the WM Investing for Health Perinatal & Infant Mortality Programme (2c). This initiative comprises routine data collection from hand held maternity notes by trained data clerks, and entry of the information on the Perinatal Institute's new NHSnet based software application (PEER - Perinatal Episode Electronic Record).

Table 1 contains a summary of the status quo of data collection activity in all maternity units (page 2). You will note that units are at different stages of progress towards being able to submit data. Staff from PI have arranged visits to all unit for comprehensive local training of data clerks as soon as they are appointed, and in addition we are hosting regular workshops for them centrally at the Institute. We are pleased to report that, as of now, **all units have trained data clerks in place**. By and large, they are receiving good local support and have appropriate workstations to work from. However this is regrettably not the situation everywhere, and we are asking those concerned to help to resolve outstanding issues in this regard.

Although the data clerks are putting in a tremendous effort, they are often struggling with the quality of the data recorded in the notes, which is also reflected in the summary analysis. Therefore, **the focus of this report is on the need to improve data quality**. On page 3, we have listed the main issues and proposed actions to address these problems. We intend to carry out a series of verification and checks, and are encouraging all units to carry out their own local audits regularly. In the meantime, the numbers in this report have to be interpreted with caution.

Key Performance Indicators (1,2,4&5) are listed for all PCTs (pages 4-7) and all maternity units (pages 8-11). NB: KPI 3 (detection of fetal growth restriction) requires further checks and will be reported on later.

With increasing number of records, we will soon be able to report also on demographics and indicators within subgroups - e.g. teenage pregnancy, obesity, deprivation etc. We also aim to be able to give a comprehensive regional picture of the important factors for perinatal & infant mortality.

NB: For maternity units who have already reached 80% submission rates or higher, we will soon be able to offer a functionality for designated staff to enter queries and interrogate their own data within PEER. Please nominate one or two persons, and our IT department will provide the required access.

The next report (Q3, October - December 2009) is due February 2010.

With sincere regards,

Mandy Williams
Project Manager

Michelle Southam
Project Manager

Jason Gardosi
Director

Table 1: Investing for Health perinatal data collection: Data submitted from WM maternity units



Quarter 1 (April - June 2009) & Quarter 2 (July - September 2009)

Unit	WTE funded	WTE employed end of Q2	Recruitment details	Est. Births Q1*	Cases Submitted Q1		Est. Births Q2*	Cases Submitted Q2		Comments
					(n)	(%)*		(n)	(%)*	
Alexandra	0.6	0.6	0.6WTE commenced in July	463	0	0.0	439	270	61.5	Problems with lack of permanent base & access to notes resulting in less efficient submission rates
Birmingham Womens	2.5	2.5	2.5WTE now in post; commenced July, August & October	1799	4	0.2	1818	1383	76.1	Rapid catch up since recruitment
City	1.2	0	1.0WTE left in October. 1.2WTE advertised	901	674	74.8	901	676	75.0	No clerk currently in post
George Eliot	0.8	0.8	0.8WTE commenced late April	626	465	74.3	626	565	90.3	
Good Hope	1.2	1.6	0.6WTE commenced April but left. Further 0.6WTE commenced Sept. 1.0WTE commenced 02/11/09	904	217	24.0	904	168	18.6	Large backlog due to understaffing
Heartlands	1.7	1.7	BHH & Solihull- 1.5WTE commenced July. 1.0WTE commenced Sept	1242	613	49.4	1242	1122	90.3	Difficulty with access to permanent base for data clerks
Hereford	0.7	0.7	0.7WTE commenced Aug	477	0	0.0	489	269	55.0	
New Cross	1.2	2	2.0WTE commenced in Sept (1 x 6mth temp contract 1 x 1yr fixed term)	930	0	0.0	935	426	45.6	Rapid catch up since recruitment. Problems with accessing old notes (off-site not available)
North Staffs (UHNS)	1.9	1.9	1.0WTE in post throughout, second 1.0WTE left in the summer and not replaced until 26/10/09 (temp)	1365	1305	95.6	1454	1048	72.1	Good progress despite understaffing
Queens, Burton	1.2	1	0.8WTE commenced in July. 0.2WTE commenced Aug	831	0	0.0	857	732	85.4	
Russells Hall	1.5	1.6	1.6WTE commenced June	1080	590	54.6	1232	1005	81.6	No permanent office available; however process has been developed to avoid disruption to the data collection with access to laptops
Samuel Johnson		0.2	0.2WTE commenced August (Funding from Burton)	93	22	23.7	96	96	100.0	Rapid catch up since recruitment
Sandwell	0.8	0.5	0.5WTE commenced April. 0.3WTE advertised	652	524	80.4	652	614	94.2	Good progress despite understaffing
Shrewsbury & MLUs	1.7	1.6	0.6 commenced May. 1WTE commenced October (Temp)	1317	144	10.9	1317	99	7.5	Large backlog due to understaffing, poor access to notes from MLUs, Concerns about dataset disparities
Solihull	0.8	0.8	BHH & Solihull- 1.5WTE commenced July, 1.0WTE commenced Sept	699	7	1.0	699	37	5.3	Backlog for BHH collected first; 1.0WTE commencing data collection now
Stafford	0.8	0.8	0.8WTE commenced in June.	554	489	88.3	561	553	98.6	
Walsall Manor	1.2	1	1.0WTE commenced late June; 0.2WTE to be advertised	937	935	99.8	913	886	97.0	
Walsgrave (UHCW)	1.8	1.8	1.8WTE commenced data collection 03/11/2009	1412	0	0.0	1412	0	0.0	
Warwick	0.8	0.8	0.8WTE commenced July	688	0	0.0	634	574	90.5	
Worcester	1.3	1.3	1.3WTE commenced July	1003	0	0.0	923	477	51.7	Permanent computer terminal yet to be arranged resulting in less efficient submission rates

*Births estimated based on 2008 data, actual data from units shown in bold

*Q1 = Temporary submission target

Q2 = *Project submission target

>80%	60-79%	<60%	>90%	80-89%	<80%
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Data Quality issues arising from IfH - perinatal data Q2 Report

KPI 1

1a. Documentation in the notes around the *completion* of the social and health care assessment varies in some units, making it difficult for data clerks to ascertain the exact date. Data on '2 visits by 13 weeks' (Q2) has been included as a subsidiary measure.

NB In future the date of risk assessment on page 11 of the new notes will be the universal measure of completed assessment.

KPI 2

Illegible signatures and practitioners failing to print names on records, impedes accurate measurement of continuity in some cases.

KPI 3

In many units, there is a need to improve the documentation of reasons for growth scans and diagnosis of IUGR.

KPI 4

Documentation of smoking at delivery is generally poor; women are often not asked about smoking status at delivery.

NB: This information is particularly important for PCTs who will be using new smoking cessation tariffs.

KPI 5

Documentation around time and detail of first feed is often of poor quality.

We recommend that all units undertake regular audits on note keeping and accuracy of data recorded, and that this is supported by local supervision.

Investing for Health Perinatal Data Collection: PCT Based Key Performance Indicators

Quarter 2 - July to Sept 2009



Key Performance Indicator 1

1a. Completed health & social assessment < 13 weeks (Target: 80%)

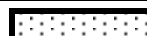
1b. Two antenatal contacts before 13 weeks (Target: 60%)

http://www.perinatal.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf

Red	Amber	Green
< 60%	60-79%	≥ 80%
< 40%	40-59%	≥ 60%

PCT	Q1			Q2			Q2		
	Number of cases with data	KPI 1a		Number of cases with data	KPI 1a		Number of cases with data	KPI 1b ***	
		Completed Assessment < 13 Weeks			Completed Assessment < 13 Weeks			2 Antenatal Contacts Before 13 weeks	
n	n	%	n	n	%	n	n	%	
West Midlands	5864	4439	75.7%	9297	7259	78.1%	9430	3786	40.1%
Birmingham East and North	593	468	78.9%	847	644	76.0%	850	297	34.9%
Coventry Teaching	19	17	*	27	25	*	27	5	*
Dudley **	421	162	38.5%	489	198	40.5%	544	112	20.6%
Heart of Birmingham Teaching	601	423	70.4%	830	609	73.4%	826	325	39.3%
Herefordshire				228	177	77.6%	227	140	61.7%
North Staffordshire	395	334	84.6%	316	277	87.7%	316	180	57.0%
Sandwell	782	609	77.9%	868	669	77.1%	849	406	47.8%
Shropshire County	81	74	*	82	64	*	83	56	*
Solihull	91	71	*	204	172	84.3%	208	64	30.8%
South Birmingham	50	34	*	787	650	82.6%	784	416	53.1%
South Staffordshire	672	587	87.4%	1065	961	90.2%	1126	326	29.0%
Stoke on Trent	856	734	85.7%	672	565	84.1%	668	271	40.6%
Telford and Wrekin	60	54	*	37	26	*	37	20	*
Walsall Teaching **	811	488	60.2%	743	442	59.5%	770	541	70.3%
Warwickshire	372	340	91.4%	1010	911	90.2%	1004	268	26.7%
Wolverhampton City	44	31	*	400	326	81.5%	409	127	31.1%
Worcestershire	16	13	*	692	543	78.5%	702	232	33.0%

* No % given if n < 100

 No data collected

** Possible interpretation or data quality issue, currently being investigated by local audit.

*** KPI 1b is a secondary indicator based on NSF Standard 11 recommendations (collected from Q2)

Comment: Variation Q1=>Q2 may in part be related to data included from additional units

Investing for Health Perinatal Data Collection: PCT Based Key Performance Indicators

Quarter 2 - July to Sept 2009



Key Performance Indicator 2

2. Continuity of Carer (75% of visits by the same midwife)

http://www.perinatal.nhs.uk/rpnm/lfh/KPI_Evidence_Targets.pdf

Red	Amber	Green
< 40%	40-74%	≥ 75%

PCT	Q1			Q2		
	Number of cases with data	KPI 2		Number of cases with data	KPI 2	
		Continuity of Carer > 75%			Continuity of Carer > 75%	
	n	n	%	n	n	%
West Midlands	5720	2626	45.9%	9508	3710	39.0%
Birmingham East and North	565	246	43.5%	844	367	43.5%
Coventry Teaching	19	5	*	26	14	*
Dudley	419	330	78.8%	545	354	65.0%
Heart of Birmingham Teaching	584	174	29.8%	836	222	26.6%
Herefordshire				228	57	25.0%
North Staffordshire	387	294	76.0%	315	234	74.3%
Sandwell	761	213	28.0%	916	240	26.2%
Shropshire County	79	20	*	79	16	*
Solihull	88	31	*	207	101	48.8%
South Birmingham	46	18	*	777	195	25.1%
South Staffordshire	663	224	33.8%	1129	436	38.6%
Stoke on Trent	838	594	70.9%	672	473	70.4%
Telford and Wrekin	57	11	*	36	4	*
Walsall Teaching	793	261	32.9%	778	245	31.5%
Warwickshire	362	184	50.8%	1007	366	36.3%
Wolverhampton City	43	14	*	409	215	52.6%
Worcestershire	16	7	*	704	171	24.3%

* No % given if n < 100

No data collected

Comment: Overall WM average drop Q1=>Q2 may in part be related to data included from additional units

~ NB: Target may require review as subject to varying working practices (e.g. midwives working in pairs)

Investing for Health Perinatal Data Collection: PCT Based Key Performance Indicators

Quarter 2 - July to Sept 2009



Key Performance Indicator 4

4. Smoking in pregnancy (reduce to < 15% by 2010 or 1% per year)

http://www.perinatal.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf

Red	Amber	Green
> 18%	15-18%	< 15%

PCT	Q1						Q2					
	KPI 4						KPI 4					
	No. of cases with data at booking	Smoking at booking		No. of cases with data at delivery	Smoking at delivery		No. of cases with data at booking	Smoking at booking		No. of cases with data at delivery	Smoking at delivery	
n		%	n		%	n		%	n		%	
West Midlands	5795	1234	21.3%	5422	834	15.4%	9588	1854	19.3%	7662	1058	13.8%
Birmingham East and North	582	89	15%	498	51	10.2%	861	142	16.5%	663	81	12.2%
Coventry Teaching	19	4	*	18	4	*	27	8	*	25	8	*
Dudley	418	82	19.6%	403	58	14.4%	547	101	18.5%	478	40	8.4%
Heart of Birmingham Teaching	591	65	11.0%	548	38	6.9%	842	63	7.5%	506	24	4.7%
Herefordshire							229	43	18.8%	156	24	15.4%
North Staffordshire	393	86	21.9%	393	66	16.8%	311	79	25.4%	311	57	18.3%
Sandwell	770	165	21.4%	688	85	12.4%	919	184	20.0%	711	76	10.7%
Shropshire County	79	15	*	80	11	*	85	22	*	81	16	*
Solihull	90	27	*	67	10	*	209	53	25.4%	155	32	20.6%
South Birmingham	50	12	*	45	6	*	795	174	21.9%	171**	11	6.4%**
South Staffordshire	669	142	21.2%	648	105	16.2%	1135	200	17.6%	1097	137	12.5%
Stoke on Trent	852	230	27.0%	847	185	21.8%	680	189	27.8%	670	140	20.9%
Telford and Wrekin	60	11	*	60	10	*	38	13	*	37	10	*
Walsall Teaching	799	201	25.2%	751	126	16.8%	784	169	21.6%	748	104	13.9%
Warwickshire	363	94	25.9%	319	75	23.5%	1011	192	19.0%	888	132	14.9%
Wolverhampton City	44	9	*	43	4	*	409	89	21.8%	405	81	20.0%
Worcestershire	16	2	*	14	0	*	706	133	18.8%	560	85	15.2%
West Midlands												
Teenagers (< 18)	119	46	38.7%	108	36	33.3%	191	86	45.0%	151	47	31.1%
Europeans	4091	1128	27.6%	3829	775	20.2%	6704	1693	25.3%	5503	980	17.8%

* No % given if n < 100

No data collected

Comment: Overall WM average drop Q1=>Q2 may in part be related to data included from additional units

** Missing data from BWH currently being input, to be reported in Q3

Investing for Health Perinatal Data Collection: PCT Based Key Performance Indicators

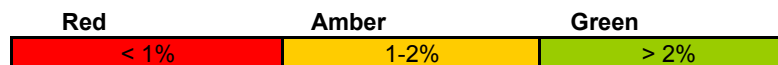
Quarter 2 - July to Sept 2009



Key Performance Indicator 5

5. Initiation of breastfeeding within 48 hours (increase by 2% per year)

http://www.perinatal.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf



PCT	Q1			Q2		
	Number of cases with data	KPI 5		Number of cases with data	KPI 5	
		Breast Feeding Initiated			Breast Feeding Initiated	
n	n	%	n	n	%	
West Midlands	4984	2823	56.6%	7758	4585	59.1%
Birmingham East and North	513	278	54.2%	668	345	51.6%
Coventry Teaching	19	11	*	20	12	*
Dudley	395	273	69.1%	505	318	63.0%
Heart of Birmingham Teaching	241	155	64.3%	579	357	61.7%
Herefordshire				116	82	*
North Staffordshire	380	233	61.3%	220	169	76.8%
Sandwell	600	294	49.0%	809	335	41.4%
Shropshire County	79	59	*	81	50	*
Solihull	87	43	*	155	73	*
South Birmingham	18	9	*	478	285	59.6%
South Staffordshire	640	368	57.5%	1008	615	61.0%
Stoke on Trent	831	448	53.9%	415	290	69.9%
Telford and Wrekin	57	36	*	32	22	*
Walsall Teaching	706	355	50.3%	748	378	50.5%
Warwickshire	362	220	60.8%	902	626	69.4%
Wolverhampton City	41	29	*	402	208	51.7%
Worcestershire	15	12	*	620	420	67.7%

West Midlands

Teenagers (< 18)	108	32	29.6%	155	51	32.9%
Europeans	3745	2024	54.0%	5509	3176	57.7%

* No % given if n < 100

 No data collected

Comment: Variation Q1=>Q2 may in part be related to data included from additional units

Investing for Health Perinatal Data Collection: Unit Based Key Performance Indicators

Quarter 2 - July to Sept 2009



Key Performance Indicator 1

1a. Completed health & social assessment < 13 weeks (Target: 80%)

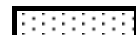
1b. Two antenatal contacts before 13 weeks (Target: 60%)

http://www.perinatal.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf

Red	Amber	Green
< 60%	60-79%	≥ 80%
< 40%	40-59%	≥ 60%

UNIT	Q1			Q2			Q2		
	Number of cases with data	KPI 1a		Number of cases with data	KPI 1a		Number of cases with data	KPI 1b ***	
		Completed Assessment < 13 Weeks			Completed Assessment < 13 Weeks			2 Antenatal contacts before 13 weeks	
n	n	%	n	n	%	n	n	%	
West Midlands	5996	4551	75.9%	10444	8080	77.4%	10696	4183	39.1%
Alexandra Hospital	1	0	*	268	198	73.9%	264	13	4.9%
Birmingham Women's Hospital	4	4	*	1345	1154	85.8%	1345	798	59.3%
City Hospital	674	495	73.4%	630	407	64.6%	639	185	29.0%
George Eliot Hospital	465	425	91.4%	562	506	90.0%	555	293	52.8%
Good Hope Hospital	217	185	85.3%	166	145	87.3%	165	80	48.5%
Heartlands Hospital	613	455	74.2%	1089	798	73.3%	1099	303	27.6%
Hereford Hospital				263	203	77.2%	262	150	57.3%
New Cross Hospital				412	347	84.2%	420	128	30.5%
Queens Hospital Burton				593	522	88.0%	709	285	40.2%
Russells Hall Hospital**	590	284	48.1%	873	393	45.0%	989	178	18.0%
Samuel Johnson Hospital	22	19	*	95	90	*	96	57	*
Sandwell Hospital	524	403	76.9%	607	475	78.3%	529	291	55.0%
Shrewsbury Hospital & MLUs	144	129	89.6%	99	77	*	98	70	*
Solihull Hospital	7	6	*	36	28	*	36	12	*
Stafford Hospital	489	435	89.0%	548	506	92.3%	549	48	8.7%
North Staffs (UHNS)	1305	1114	85.4%	1032	877	85.0%	1027	460	44.8%
Walsgrave Hospital (UHCW)									
Warwick Hospital				572	521	91.1%	572	30	5.2%
Walsall Manor Hospital**	941	597	63.4%	797	470	59.0%	872	599	68.7%
Worcestershire Royal Hospital				457	363	79.4%	470	203	43.2%

* No % given if n < 100

 No data collected

** Possible interpretation or data quality issue, currently being investigated by local audit.

*** KPI 1b is a secondary indicator based on NSF Standard 11 recommendations (collected from Q2)

Investing for Health Perinatal Data Collection: Unit Based Key Performance Indicators

Quarter 2 - July to Sept 2009



Key Performance Indicator 2


2. Continuity of Carer (75% of visits by the same midwife)

http://www.perinatal.nhs.uk/rpnm/lfh/KPI_Evidence_Targets.pdf

Red	Amber	Green
< 40%	40-74%	≥ 75%

UNIT	Q1			Q2		
	Number of cases with data	KPI 2		Number of cases with data	KPI 2	
		Continuity of Carer > 75%			Continuity of Carer > 75%	
n	n	%	n	n	%	
West Midlands	5834	2686	46.0%	10775	4197	39.0%
Alexandra Hospital	1	0	*	266	80	30.1%
Birmingham Women's Hospital	4	2	*	1340	300	22.4%
City Hospital	645	197	30.5%	655	215	32.8%
George Eliot Hospital	454	238	52.4%	558	239	42.8%
Good Hope Hospital	206	83	40.3%	164	54	32.9%
Heartlands Hospital	592	256	43.2%	1084	506	46.7%
Hereford Hospital				261	74	28.4%
New Cross Hospital				422	209	49.5%
Queens Hospital Burton				713	291	40.8%
Russells Hall Hospital**	586	442	75.4%	986	600	60.9%
Samuel Johnson Hospital	22	11	*	96	31	*
Sandwell Hospital	511	99	19.4%	604	120	19.9%
Shrewsbury Hospital & MLUs	139	29	20.9%	94	16	*
Solihull Hospital	6	2	*	37	18	*
Stafford Hospital	481	135	28.1%	549	162	29.5%
North Staffs (UHNS)	1275	919	72.1%	1026	734	71.5%
Walsgrave Hospital (UHCW)						
Warwick Hospital				572	180	31.5%
Walsall Manor Hospital**	912	273	29.9%	877	266	30.3%
Worcestershire Royal Hospital				471	102	21.7%

* No % given if n < 100

 No data collected

Comment: Overall WM average drop Q1=>Q2 may in part be related to data included from additional units

NB: Target may require review as subject to varying working practices (e.g. midwives working in pairs)

Investing for Health Perinatal Data Collection: Unit Based Key Performance Indicators

Quarter 2 - July to Sept 2009



Key Performance Indicator 4

4. Smoking in pregnancy (reduce to < 15% by 2010 or 1% per year)

http://www.perinatal.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf

Red	Amber	Green
> 18%	15-18%	< 15%

UNIT	Q1						Q2					
	KPI 4						KPI 4					
	No. of cases with data at booking	Smoking at booking		No of cases with data at delivery	Smoking at delivery		No. of cases with data at booking	Smoking at booking		No of cases with data at delivery	Smoking at delivery	
n		%	n		%	n		%	n		%	
West Midlands	5916	1272	21.5%	5515	858	15.6%	10877	2089	19.2%	8764	1189	13.6%
Alexandra Hospital	1	1	*	1	1	*	265	45	17.0%	190	24	12.6%
Birmingham Women's Hospital	4	0	*	2	0	*	1355	205	15.1%	ND**	ND**	ND**
City Hospital	661	95	14.4%	610	60	9.8%	654	78	11.9%	507	41	8.1%
George Eliot Hospital	454	120	26.4%	402	97	24.1%	561	144	25.7%	434	102	23.5%
Good Hope Hospital	209	44	21.1%	175	23	13.1%	167	27	16.2%	130	16	12.3%
Heartlands Hospital	609	92	15.1%	503	46	9.1%	1113	194	17.4%	903	113	12.5%
Hereford Hospital							268	51	19.0%	177	25	14.1%
New Cross Hospital							421	97	23.0%	423	87	20.6%
Queens Hospital Burton							722	125	17.3%	690	84	12.2%
Russells Hall Hospital**	586	112	19.1%	567	73	12.9%	994	183	18.4%	902	83	9.2%
Samuel Johnson Hospital	22	3	*	22	3	*	96	7	*	94	4	*
Sandwell Hospital	517	114	22.1%	447	48	10.7%	609	149	24.5%	519	62	11.9%
Shrewsbury Hospital & MLUs	142	27	19.0%	143	22	15.4%	99	28	*	96	24	*
Solihull Hospital	7	1	*	6	1	*	37	8	*	28	5	*
Stafford Hospital	487	102	20.9%	478	78	16.3%	551	112	20.3%	542	74	13.7%
North Staffs (UHNS)	1300	324	24.9%	1289	255	19.8%	1036	275	26.5%	1026	199	19.4%
Walsgrave Hospital (UHCW)												
Warwick Hospital							574	80	13.9%	553	56	10.1%
Walsall Manor Hospital**	917	237	25.8%	870	151	17.4%	881	188	21.3%	854	121	14.2%
Worcestershire Royal Hospital							474	93	19.6%	422	69	16.4%

* No % given if n < 100

 No data collected

** Missing data being input, will be reported in Q3

Investing for Health Perinatal Data Collection: Unit Based Key Performance Indicators

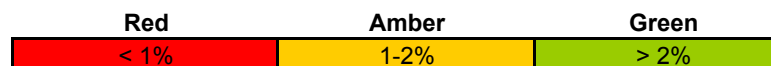
Quarter 2 - July to Sept 2009



Key Performance Indicator 5

5. Initiation of breastfeeding within 48hrs (increase by 2% per year)

http://www.perinatal.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf



UNIT	Q1			Q2		
	Number of cases with data	KPI 5		Number of cases with data	KPI 5	
		Breast Feeding Initiated			Breast Feeding Initiated	
n	n	%	n	n	%	
West Midlands	5098	2896	56.8%	8875	5278	59.5%
Alexandra Hospital	0	0	*	270	198	73.3%
Birmingham Women's Hospital	0	0	*	749	476	63.6%
City Hospital	124	83	66.9%	566	310	54.8%
George Eliot Hospital	457	281	61.5%	517	305	59.0%
Good Hope Hospital	151	84	55.6%	86	54	*
Heartlands Hospital	597	336	56.3%	870	450	51.7%
Hereford Hospital				133	91	68.4%
New Cross Hospital				419	222	53.0%
Queens Hospital Burton				678	419	61.8%
Russells Hall Hospital**	559	398	71.2%	932	611	65.6%
Samuel Johnson Hospital	21	18	*	92	70	*
Sandwell Hospital	481	206	42.8%	580	192	33.1%
Shrewsbury Hospital & MLUs	141	102	72.3%	96	63	*
Solihull Hospital	7	2	*	29	11	*
Stafford Hospital	477	264	55.3%	470	257	54.7%
North Staffs (UHNS)	1257	709	56.4%	672	489	72.8%
Walsgrave Hospital (UHCW)						
Warwick Hospital				498	394	79.1%
Walsall Manor Hospital**	826	413	50.0%	828	410	49.5%
Worcestershire Royal Hospital				390	256	65.6%

* No % given if n < 100

No data collected