



Crystal Court, Aston Cross  
Birmingham, B6 5RQ

Telephone: 0121 687 3400  
Facsimile: 0121 687 3401  
E-mail: office@pi.nhs.uk  
Website: www.pi.nhs.uk

**Director**  
Professor Jason O Gardosi MD FRCOG FRCSED

Direct Line: 0121 687 3500  
E-mail: jason.gardosi@pi.nhs.uk

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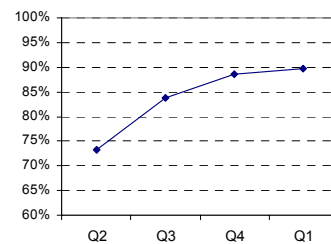
Distribution: Investing for Health 2c Governing Board  
NHS West Midlands  
Cluster & PCT Chief Executives  
West Midlands Maternity Units  
Directors of Public Health  
Directors of Commissioning  
Government Office West Midlands

Dear Colleague,

### West Midlands Maternity Data Report - Q1 2010/11

We are pleased to present herewith the quarterly report of the WM regional maternity data collection programme, covering Q1 of 2010/11.

Overall submission rates have been gradually increasing, and have reached 90% in this last quarter:



The 5 key performance indicators are again given for PCTs as well as maternity units, and are referenced to the first year's data as a benchmark. While there has been good improvement in some of the KPIs, there is still wide variation across the region.

The results of our local data quality audits have been satisfactory overall, and are being fed back to individual units to allow them to make improvements where needed. Further such audits are ongoing and will help to highlight specific issues. Following requests from some maternity units, we have started to make available lists of each unit's own growth restricted babies which were not detected antenatally, to facilitate local audit and identification of any system or training issues.

Together with this report, we are sending the first of a series of subgroup analyses within the West Midlands maternity population, focussing on teenagers and older mothers, and their characteristics and risks during pregnancy. Further such reports are in preparation on obesity, smoking and deprivation. The next report, due mid autumn, will cover ethnicity and migrant mothers. As more cases are being collected and linked to mortality data, we will also be able to model the relative contributions which these factors have, and the potential effects of specific interventions.

With sincere regards

Professor Jason O. Gardosi  
Director, West Midlands Perinatal Institute

## Q1 2010/11 Report - Summary Findings

Data Collection	WTE data clerks Q4 2009/10	Submission rate Q4 2009/10	WTE data clerks Q1 2010	Submission rate Q1 2010/11
Submissions from WM Maternity units	22.2	88% Range: 53-100%	20.9	<b>90%</b> Range 54-100%

- Submission rates have improved across the region and have reached 90% We are now aiming for the second year ascertainment target which was set as  $\geq 95\%$  from Q2.
- A number of units have main-streamed denominator data collection, with data clerks now having permanent contracts. However, several units have still not been able to embed this important function.

KPI 1a	Target: 80%	2009/10	Q1 2010
Completed health and social risk assessment in pregnancy before 13 weeks gestation		80.3% Range: 57 – 88.4%	<b>83.7%</b> Range: 72.8 – 91.2%

- A majority of units are now meeting the target of 80% and the overall WM rate has increased with each quarter. However further improvements are needed in several units, as shown in the table
- DoH are increasing this target to  $>90\%$  in the current year.

KPI 1b	Target: 60%	2009/10	Q1 2010
Two antenatal contacts before 13 weeks		47.0% Range: 22.5 – 76.5%	<b>54.3%</b> Range: 24.2 – 77.7%

- The overall rate of 'two antenatal appointments before 13 weeks' has increased from 2009.
- However, there is substantial variation between units, highlighting major differences in clinical practice.

KPI 2	Target: 75%	2009/10	Q1 2010
Antenatal continuity of carer (75% of community visits by the same midwife)		38.7% Range: 12 – 76.6%	<b>37.6%</b> Range: 12.2 – 79.5%

- Continuity of carer by one community midwife continues to be a difficult target for most Trusts.
- On recommendation by the project board, this KPI will from Q2 include continuity with two midwives.

KPI 3	Target: 10% incr / year	Q1 2009- Q1 2010
Antenatal detection of intrauterine growth restriction (IUGR)		<b>30.4%</b> Range: 11 – 42.5%

- No time trends can as yet be presented because of small numbers within the IUGR subgroup.
- However detection rates are still low, indicating that more than two-thirds of IUGR cases are missed.
- There is a wide range of detection rates which in part seem related to local practice and training.
- It is recommended that all staff including midwives, obstetricians and ultrasonographers avail themselves of the free GROW accreditation workshops provided by PI.

KPI 4	Target: 15%	2009/10	Q1 2010
Smoking at end of pregnancy		14.1% Range: 6 – 22.2%	<b>12.7%</b> Range: 3.6 – 24.5%

- The prevalence of smoking has decreased further this quarter, and the cessation rate has increased significantly
- However cessation rates vary substantially between units
- While the national target of reducing smoking during pregnancy to  $<15\%$  by 2010 has been met, smoking rates vary significantly across the region, and population characteristics such as ethnicity need to be considered when comparing rates.

KPI 5	Target: 2% incr / year	2009/10	Q1 2010
Breastfeeding initiation (by 48h)		59.1% Range: 47.5 – 70.7%	<b>60.9%</b> Range: 50 – 71.2%

- Preliminary findings suggest an increase in breastfeeding initiation rates of 1.8% since the last financial year.
- Rates vary according to population characteristics and these should be considered when comparing unit figures.

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

Project submission target  
<80%  
80-89%  
≥90%

Unit	WTE funded	WTE employed (May 10)	Recruitment details	Q2			Q3			Q4			Q1			Comments
				Births Q2	Submissions		Births Q3	Submissions		Births Q4	Submissions		Births Q1	Submissions		
					n	%		n	%		n	%		n	%	
West Midlands	23.7	20.9		18346	13443	73%	18421	15416	84%	17758	15711	88%	17435	15659	90%	Continuing improvement in data ascertainment projected for 2010-11
Alexandra	0.6	0	0.6WTE commenced July 09, contract now ended. Two new data clerks being redeployed within the Trust 09/10	463	305	66%	480	448	93%	463	391	84%	535	428	80%	Training for new clerks booked for 27/09/10
Birmingham Womens	2.5	2.5	2.5WTE in post; commenced July, August & October 09	1805	1772	98%	1856	1855	100%	1709	1700	99%	1742	1729	99%	Excellent progress
City	1.2	1.2	1.0WTE left in October. Bank staff in post currently, hours variable	897	689	77%	941	801	85%	920	870	95%	862	843	98%	3 temporary clerks working on bank
George Eliot	0.8	0.8	0.8WTE commenced April 09. Contract finishes 09/10	626	571	91%	541	360	67%	571	544	95%	594	575	97%	Excellent progress
Good Hope	1.2	1.6	0.6WTE commenced April but left. Further 0.6WTE commenced Sept. 0.6WTE - 11/09 (temp for backlog)	902	258	29%	980	843	86%	918	805	88%	904	758	84%	Backlog due to initial understaffing. Excellent progress
Heartlands	1.7	1.7	BHH & Solihull- 1.5WTE commenced July. 1.0WTE commenced Sept.	1242	1149	93%	1242	1123	90%	1242	1008	81%	1242	1126	91%	IT problems now resolved. Excellent progress
Hereford	0.7	0.7	0.7WTE commenced Aug 09	486	290	60%	495	487	98%	463	463	100%	520	520	100%	Excellent progress
New Cross	1.2	1	2.0WTE commenced in Sept (1 x 6mth temp contract 1 x 1yr fixed term) 6 mth fixed term now ended	943	785	83%	1025	982	96%	937	905	97%	1006	947	94%	Excellent progress
North Staffs (UHNS)	1.9	1.9	1.0WTE in post throughout, second 1.0WTE left mid-09 replaced until 26/10/09 (temp).	1483	1345	91%	1399	1275	91%	1483	1285	87%	1453	1294	89%	Good progress despite understaffing
Queens, Burton	1.2	1	0.8WTE commenced in July. 0.2WTE commenced Aug 09 - Permanent contract agreed	869	818	94%	867	808	93%	839	798	95%	817	797	98%	Excellent progress
Russells Hall	1.5	0.8	1.6WTE commenced June 09 0.8WTE left June 2010. No replacement so far	1228	1120	91%	1189	1076	90%	1189	1098	92%	1144	974	85%	Excellent progress despite understaffing
Samuel Johnson		0.2	0.2WTE commenced August 09 (Funding from Burton)	100	96	96%	98	97	99%	100	92	92%	100	90	90%	Excellent progress
Sandwell	0.8	0.5	0.5WTE commenced April.	685	620	91%	687	552	80%	683	605	89%	559	543	97%	Excellent progress despite understaffing
Shrewsbury & MLUs	1.7	1.6	0.6 commenced May, now left. 1WTE commenced October 09 (Temp) now 0.6, 1WTE commenced Sept	1423	115	8%	1351	693	51%	1222	901	74%	1300	1076	83%	Large backlog due to initial understaffing. Good progress
Solihull	0.8	0.8	Clerk moved from BHH to Solihull in November 09; leaving shortly	668	560	84%	699	513	73%	614	596	97%	140	136	97%	Data collection at Solihull commenced November - Backlog being addressed
Stafford	0.8	0.8	0.8WTE commenced June 09 - Permanent contract agreed	565	558	99%	534	534	100%	496	497	100%	517	517	100%	Excellent progress
Walsall Manor	1.2	1	1.0WTE commenced late June 09 - Permanent contract agreed	913	888	97%	936	934	100%	936	913	98%	900	820	91%	Excellent progress
Walsgrave (UHCW)	1.8	1.8	1.8WTE commenced data collection Nov 09	1479	36	2%	1517	605	40%	1398	1118	80%	1474	1329	90%	Good progress - large backlog being addressed
Warwick	0.8	0.8	0.8WTE commenced July 09 - Permanent contract agreed	634	603	95%	646	630	98%	674	645	96%	676	646	96%	Excellent progress
Worcester	1.3	0.2	1.3WTE commenced July 09 -Contract now ended. Two new data clerks being redeployed within the Trust	935	865	93%	938	800	85%	901	477	53%	950	511	54%	Two new data clerks commencing 27/09/10 - large backlog to be addressed

Range: 54 - 100%

Submission rates are calculated as the number of cases submitted from each quarter, as a proportion of all births in that quarter (estimated on the basis of last available data from 2008/9, if actual figures not available). Data received is dependent upon the completeness of notes recorded by care providers, and sustained capacity of data clerks ensured by Units and respective PCTs. The submission rate target for Q2 onwards will increase to 95% to improve data quality further. The PI have commenced a pilot of Digital Pens for community midwives to facilitate ascertainment of real-time data (Heartlands, Walsall, Warwick, North Staffs and George Eliot).

### KPI 1a: Completed health & social assessment before 13 weeks

Target: 80% (90% by Q4 2010-11)

< 60%	60-79%	≥ 80%
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[www.nhs.uk/rpnm/dfh\\_KPI\\_Evidence\\_Targets.pdf](http://www.nhs.uk/rpnm/dfh_KPI_Evidence_Targets.pdf)

	KPI1a - Completed health and social assessment <13weeks														
	Q2 2009			Q3 2009			Q4 2010			Total 2009/10			Q1 2010		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
<b>West Midlands (PCTs)</b>	11684	9194	78.7%	14173	11579	81.7%	14556	11972	82.2%	48626	39027	80.3%	14664	12413	84.6%

PCT															
Birmingham East and North	1103	840	76.2%	1450	1196	82.5%	1373	1145	83.4%	4792	3847	80.3%	1153	973	84.4%
Coventry Teaching	60	53	88.3%	495	421	85.1%	890	767	86.2%	1465	1259	85.9%	1005	876	87.2%
Dudley	604	266	44.0%	823	530	64.4%	870	634	72.9%	2891	1649	57.0%	770	619	80.4%
Heart of Birmingham Teaching	1001	748	74.7%	1348	962	71.4%	1258	926	73.6%	4657	3429	73.6%	1146	834	72.8%
Herefordshire	244	189	77.5%	408	329	80.6%	409	314	76.8%	1253	983	78.5%	459	351	76.5%
North Staffordshire	412	352	85.4%	386	327	84.7%	406	358	88.2%	1595	1366	85.6%	399	363	91.0%
Sandwell	933	720	77.2%	912	738	80.9%	1062	861	81.1%	3760	2972	79.0%	1001	785	78.4%
Shropshire County	95	74	77.9%	388	330	85.1%	499	415	83.2%	1069	898	84.0%	547	466	85.2%
Solihull	436	369	84.6%	387	331	85.5%	426	363	85.2%	1413	1196	84.6%	399	325	81.5%
South Birmingham	1101	905	82.2%	1174	1003	85.4%	1070	903	84.4%	4341	3662	84.4%	1084	928	85.6%
South Staffordshire	1166	1049	90.0%	1434	1277	89.1%	1430	1246	87.1%	4783	4230	88.4%	1518	1384	91.2%
Stoke on Trent	851	715	84.0%	794	666	83.9%	799	699	87.5%	3291	2805	85.2%	821	728	88.7%
Telford and Wrekin	46	33	71.7%	302	213	70.5%	325	222	68.3%	755	539	71.4%	438	354	80.8%
Walsall Teaching	783	479	61.2%	844	688	81.5%	821	689	83.9%	3198	2291	71.6%	803	682	84.9%
Warwickshire	1068	962	90.1%	1068	935	87.5%	1300	1124	86.5%	3815	3368	88.3%	1406	1275	90.7%
Wolverhampton City	684	559	81.7%	804	668	83.1%	779	599	76.9%	2383	1913	80.3%	789	688	87.2%
Worcestershire	1097	881	80.3%	1156	965	83.5%	839	707	84.3%	3165	2620	82.8%	926	782	84.4%

PCT data by residence

Range: 57.0 - 88.4%

Range: 72.8 - 91.2%

UNIT															
Alexandra Hospital	303	224	73.9%	445	355	79.8%	389	319	82.0%	1138	898	78.9%	427	346	81.0%
Birmingham Women's Hospital	1725	1467	85.0%	1803	1573	87.2%	1652	1461	88.4%	6845	5956	87.0%	1686	1507	89.4%
City Hospital	641	412	64.3%	779	488	62.6%	837	537	64.2%	2848	1851	65.0%	816	524	64.2%
George Eliot Hospital	568	512	90.1%	356	332	93.3%	536	475	88.6%	1921	1740	90.6%	571	537	94.0%
Good Hope Hospital	250	213	85.2%	814	712	87.5%	787	688	87.4%	2061	1791	86.9%	735	666	90.6%
Heartlands Hospital	1104	811	73.5%	983	756	76.9%	861	669	77.7%	3901	2936	75.3%	994	770	77.5%
Hereford Hospital*	280	215	76.8%	464	369	79.5%	449	345	76.8%	1377	1092	79.3%	497	385	77.5%
New Cross Hospital	757	633	83.6%	933	782	83.8%	885	681	76.9%	2653	2159	81.4%	941	813	86.4%
North Staffs (UHNS)	1326	1117	84.2%	1233	1032	83.7%	1256	1104	87.9%	5104	4351	85.2%	1285	1148	89.3%
Queens Burton & Samuel Johnson**	743	660	88.9%	711	634	89.2%	738	609	82.5%	2272	1975	86.9%	690	484	70.1%
Russells Hall Hospital	982	476	48.5%	1043	711	68.2%	1073	799	74.5%	3874	2312	59.7%	965	779	80.7%
Sandwell Hospital	611	477	78.1%	542	434	80.1%	595	470	79.0%	2248	1760	78.3%	527	397	75.3%
Shrewsbury Hospital & MLUs	113	87	77.0%	683	540	79.1%	862	670	77.7%	1824	1442	79.1%	1043	868	83.2%
Solihull Hospital	550	439	79.8%	503	419	83.3%	583	493	84.6%	1665	1374	82.5%	134	117	87.3%
Stafford Hospital	553	511	92.4%	528	473	89.6%	492	449	91.3%	2087	1892	90.7%	514	467	90.9%
Walsall Manor Hospital*	800	473	59.1%	871	709	81.4%	903	772	85.5%	3393	2442	72.0%	817	694	84.9%
Walsgrave Hospital (UHCW)	34	28	82.4%	594	516	86.9%	1089	945	86.8%	1717	1489	86.7%	1308	1159	88.6%
Warwick Hospital	601	546	90.8%	624	523	83.8%	637	536	84.1%	1862	1605	86.2%	642	537	83.6%
Worcestershire Royal Hospital	820	666	81.2%	745	625	83.9%	452	384	85.0%	2017	1675	83.0%	496	428	86.3%

\* Data quality issue identified at Hereford Hospital in Q1-2 2009 (data took from 1st appointment)

\*\* Data quality issue identified at Burton Hospital in Q1 2010 (data took from 1st appointment)

Range: 59.7 - 90.7%

Range: 64.2 - 94.0%

#### Data quality

Gestation at booking is validated by dating scans. However, standards of record keeping, and in particular the record of completion of medical and social risk assessment, vary in quality, as demonstrated by our recent regional audit.

#### Performance & Progress

The results show that most units and PCTs have achieved the 80% project target.

#### Additional comments

Further improvement is required as the DH's aim is to increase the national target to 90% by end 2010/11.

Units offering a home booking service tend to have a higher attainment rate and a more comprehensive assessment of social needs.

### KPI 1b: Two antenatal contacts before 13 weeks

Target: 60%

< 40%	40-59%	≥ 60%
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[www.ni.nhs.uk/rpnm/11H\\_KPI\\_Evidence\\_Targets.pdf](http://www.ni.nhs.uk/rpnm/11H_KPI_Evidence_Targets.pdf)

	KPI 1b - Two antenatal contacts before 13 weeks														
	Q2 2009			Q3 2009			Q4 2009			Total 2009/10			Q1 2010		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
<b>West Midlands (PCTs)</b>	11876	4906	41.3%	14403	6842	47.5%	14686	7510	51.1%	40965	19258	47.0%	14629	7941	54.3%

PCT															
Birmingham East and North	1108	403	36.4%	1523	691	45.4%	1450	762	52.6%	4081	1856	45.5%	1203	654	54.4%
Coventry Teaching	61	28	45.9%	495	339	68.5%	897	634	70.7%	1453	1001	68.9%	1008	677	67.2%
Dudley	668	146	21.9%	833	189	22.7%	882	202	22.9%	2383	537	22.5%	770	186	24.2%
Heart of Birmingham Teaching	995	414	41.6%	1339	536	40.0%	1254	534	42.6%	3588	1484	41.4%	1147	507	44.2%
Herefordshire	243	148	60.9%	411	269	65.5%	408	249	61.0%	1062	666	62.7%	459	294	64.1%
North Staffordshire	411	225	54.7%	384	218	56.8%	405	225	55.6%	1200	668	55.7%	397	221	55.7%
Sandwell	915	434	47.4%	869	414	47.6%	1010	456	45.1%	2794	1304	46.7%	919	433	47.1%
Shropshire County	97	61	62.9%	383	293	76.5%	495	392	79.2%	975	746	76.5%	543	422	77.7%
Solihull	441	146	33.1%	413	147	35.6%	454	205	45.2%	1308	498	38.1%	430	201	46.7%
South Birmingham	1099	613	55.8%	1177	727	61.8%	1071	664	62.0%	3347	2004	59.9%	1084	708	65.3%
South Staffordshire	1249	379	30.3%	1531	591	38.6%	1471	510	34.7%	4251	1480	34.8%	1487	505	34.0%
Stoke on Trent	849	351	41.3%	794	367	46.2%	801	404	50.4%	2444	1122	45.9%	822	345	42.0%
Telford and Wrekin	45	25	55.6%	301	185	61.5%	323	207	64.1%	669	417	62.3%	437	316	72.3%
Walsall Teaching	813	574	70.6%	861	619	71.9%	820	581	70.9%	2494	1774	71.1%	796	573	72.0%
Warwickshire	1063	294	27.7%	1070	342	32.0%	1308	672	51.4%	3441	1308	38.0%	1407	992	70.5%
Wolverhampton City	697	237	34.0%	821	279	34.0%	781	312	39.9%	2299	828	36.0%	789	360	45.6%
Worcestershire	1122	428	38.1%	1198	636	53.1%	856	501	58.5%	3176	1565	49.3%	931	547	58.8%

Range: 22.5 - 76.5%

Range: 24.2 - 77.7%

UNIT															
Alexandra Hospital	299	26	8.7%	445	282	63.4%	387	274	70.8%	1131	582	51.5%	424	301	71.0%
Birmingham Women's Hospital	1725	1040	60.3%	1802	1156	64.2%	1651	1115	67.5%	5178	3311	63.9%	1686	1160	68.8%
City Hospital	649	187	28.8%	762	206	27.0%	829	205	24.7%	2240	598	26.7%	814	233	28.6%
George Eliot Hospital	561	300	53.5%	352	218	61.9%	535	331	61.9%	1448	849	58.6%	570	383	67.2%
Good Hope Hospital	251	130	51.8%	823	545	66.2%	797	537	67.4%	1871	1212	64.8%	745	495	66.4%
Heartlands Hospital	1117	309	27.7%	1093	304	27.8%	982	334	34.0%	3192	947	29.7%	1094	434	39.7%
Hereford Hospital	279	159	57.0%	467	279	59.7%	450	252	56.0%	1196	690	57.7%	497	304	61.2%
New Cross Hospital	774	278	35.9%	959	346	36.1%	890	360	40.4%	2623	984	37.5%	940	435	46.3%
North Staffs (UHNS)	1323	590	44.6%	1232	598	48.5%	1258	646	51.4%	3813	1834	48.1%	1284	595	46.3%
Queens Burton & Samuel Johnson	888	386	43.5%	872	534	61.2%	824	436	52.9%	2584	1356	52.5%	816	408	50.0%
Russells Hall Hospital	1101	201	18.3%	1065	202	19.0%	1089	194	17.8%	3255	597	18.3%	966	191	19.8%
Sandwell Hospital	530	292	55.1%	449	279	62.1%	514	303	58.9%	1493	874	58.5%	419	277	66.1%
Shrewsbury Hospital & MLUs	111	78	70.3%	674	491	72.8%	853	632	74.1%	1638	1201	73.3%	1035	777	75.1%
Solihull Hospital	554	211	38.1%	509	189	37.1%	587	298	50.8%	1650	698	42.3%	135	74	54.8%
Stafford Hospital	554	49	8.8%	530	46	8.7%	492	34	6.9%	1576	129	8.2%	513	32	6.2%
Walsall Manor Hospital	874	600	68.6%	913	614	67.3%	905	617	68.2%	2692	1831	68.0%	816	549	67.3%
Walsgrave Hospital (UHCW)	35	24	68.6%	596	433	72.7%	1099	777	70.7%	1730	1234	71.3%	1312	888	67.7%
Warwick Hospital	601	39	6.5%	627	44	7.0%	639	233	36.5%	1867	316	16.9%	643	473	73.6%
Worcestershire Royal Hospital	850	377	44.4%	790	372	47.1%	471	226	48.0%	2111	975	46.2%	503	244	48.5%

Range: 8.2 - 73.3%

Range: 6.2 - 75.1%

Percentages in grey represent small numbers (n<100) and should be interpreted with caution

#### Comment:

KPI 1b is added as a secondary indicator based on the recommendation within NSF Standard 11 (collected since Q2).

Two antenatal contacts are recommended to allow women time to consider offers of blood tests and screening before these are taken.

Many units are currently unable to fulfil this target. Units that do better usually combine the dating scan with a midwifery contact

## KPI 2: Antenatal continuity of carer

Target: 75% of visits by the same midwife

< 40%	40-74%	≥ 75%
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[www.pl.nhs.uk/rpnm/IH\\_KPI\\_Evidence\\_Targets.pdf](http://www.pl.nhs.uk/rpnm/IH_KPI_Evidence_Targets.pdf)

	KPI2 - Continuity of carer 75% of community visits with same midwife														
	Q2 2009			Q3 2009			Q4 2010			Total 2009/10			Q1 2010		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
<b>West Midlands (PCTs)</b>	11959	4691	39.2%	14466	5418	37.5%	14733	5609	38.1%	49267	19089	38.7%	14694	5522	37.6%

PCT	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Birmingham East and North	1108	491	44.3%	1521	617	40.6%	1453	610	42.0%	4937	2077	42.1%	1205	535	44.4%
Coventry Teaching	60	30	50.0%	493	172	34.9%	895	306	34.2%	1468	513	34.9%	1007	416	41.3%
Dudley	669	425	63.5%	835	512	61.3%	879	552	62.8%	3001	1937	64.5%	765	448	58.6%
Heart of Birmingham Teaching	1009	259	25.7%	1362	337	24.7%	1269	374	29.5%	4704	1247	26.5%	1157	285	24.6%
Herefordshire *	244	61	25.0%	410	90	22.0%	410	91	22.2%	1064	242	22.7%	457	100	21.9%
North Staffordshire	410	312	76.1%	382	295	77.2%	404	310	76.7%	1585	1214	76.6%	396	315	79.5%
Sandwell	983	260	26.4%	944	249	26.4%	1060	289	27.3%	3900	1058	27.1%	989	239	24.2%
Shropshire County	92	20	21.7%	377	47	12.5%	490	89	18.2%	1042	176	16.9%	538	108	20.1%
Solihull	441	225	51.0%	409	197	48.2%	453	217	47.9%	1466	694	47.3%	429	186	43.4%
South Birmingham	1098	295	26.9%	1175	311	26.5%	1069	238	22.3%	4336	1130	26.1%	1078	245	22.7%
South Staffordshire	1247	487	39.1%	1521	684	45.0%	1465	570	38.9%	4991	1998	40.0%	1493	649	43.5%
Stoke on Trent	852	590	69.2%	791	519	65.6%	803	509	63.4%	3284	2212	67.4%	820	463	56.5%
Telford and Wrekin	39	7	17.9%	297	29	9.8%	318	38	11.9%	732	88	12.0%	435	53	12.2%
Walsall Teaching	820	260	31.7%	867	341	39.3%	823	342	41.6%	3287	1192	36.3%	805	333	41.4%
Warwickshire	1066	387	36.3%	1068	342	32.0%	1309	472	36.1%	3812	1390	36.5%	1405	584	41.6%
Wolverhampton City	695	341	49.1%	819	485	59.2%	782	439	56.1%	2415	1299	53.8%	786	357	45.4%
Worcestershire	1126	241	21.4%	1195	191	16.0%	851	163	19.2%	3243	622	19.2%	929	206	22.2%

Range: 12.0 - 76.6%

Range: 12.2 - 79.5%

UNIT	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Alexandra Hospital	301	89	29.6%	446	123	27.6%	388	115	29.6%	1136	327	28.8%	427	132	30.9%
Birmingham Women's Hospital	1723	409	23.7%	1803	469	26.0%	1649	388	23.5%	6833	1741	25.5%	1682	399	23.7%
City Hospital	665	216	32.5%	777	161	20.7%	836	234	28.0%	2919	806	27.6%	811	202	24.9%
George Eliot Hospital	563	240	42.6%	350	143	40.9%	535	227	42.4%	1897	848	44.7%	566	300	53.0%
Good Hope Hospital	252	76	30.2%	822	252	30.7%	795	252	31.7%	2077	664	32.0%	747	260	34.8%
Heartlands Hospital	1121	517	46.1%	1092	569	52.1%	986	514	52.1%	4138	1973	47.7%	1094	565	51.6%
Hereford Hospital*	278	79	28.4%	463	130	28.1%	449	118	26.3%	1190	327	27.5%	492	119	24.2%
New Cross Hospital	775	359	46.3%	958	553	57.7%	891	493	55.3%	2707	1421	52.5%	940	417	44.4%
North Staffs (UHNS)	1321	936	70.9%	1226	839	68.4%	1258	855	68.0%	5079	3549	69.9%	1277	813	63.7%
Queens Burton & Samuel Johnson	885	357	40.3%	860	397	46.2%	814	346	42.5%	2644	1134	42.9%	822	390	47.4%
Russells Hall Hospital	1097	660	60.2%	1057	607	57.4%	1065	627	58.9%	4029	2459	61.0%	933	516	55.3%
Sandwell Hospital	608	122	20.1%	540	108	20.0%	593	134	22.6%	2251	463	20.6%	530	94	17.7%
Shrewsbury Hospital & MLUs	105	20	19.0%	665	65	9.8%	851	148	17.4%	1784	265	14.9%	1025	186	18.1%
Solihull Hospital	545	281	51.6%	503	221	43.9%	584	293	50.2%	1660	802	48.3%	134	65	48.5%
Stafford Hospital	551	163	29.6%	529	206	38.9%	492	138	28.0%	2083	649	31.2%	513	169	32.9%
Walsall Manor Hospital	879	267	30.4%	916	332	36.2%	903	343	38.0%	3568	1200	33.6%	818	339	41.4%
Walsgrave Hospital (UHCW)	35	15	42.9%	594	201	33.8%	1098	383	34.9%	1727	599	34.7%	1312	528	40.2%
Warwick Hospital	601	192	31.9%	625	178	28.5%	639	201	31.5%	1865	571	30.6%	643	221	34.4%
Worcestershire Royal Hospital	850	161	18.9%	789	81	10.3%	472	64	13.6%	2111	306	14.5%	503	86	17.1%

Range: 14.5 - 69.9%

Range: 17.1 - 63.7%

\* Data quality issue in Q1

Percentages in grey represent small numbers (n < 100) and should be interpreted with caution

### Data quality

Ascertainment of this data item is sometimes difficult because of illegible signatures or care providers' names not being recorded.

### Performance & Progress

Target is particularly challenging due to limited capacity and working practices. However results show large variation and suggest that better continuity of carer is achievable.

### Additional comments

IfH Project Board has reviewed this indicator upon completion of 12 months of data collection.

An alternative option to collect continuity with a team of two midwives has been agreed and will commence data collection in Sept 2010.

Dispersed service models of community maternity care across the region impact upon continuity. Commissioners and providers are advised to consider a locality based service to increase economies of scale, reduce travel and permit greater cohesion of maternity care

### KPI 3: Antenatal Detection of Fetal Growth Restriction

(FGR = fetal growth restriction; IUGR = intrauterine growth restriction; SGA = small for gestational age);  
(EFW = estimated fetal weight by ultrasound)

Target: increase by >10% per year  
IfH 3-year project target:  
60% detection

[www.pi.nhs.uk/rpnm/IfH\\_KPI\\_Evidence\\_Targets.pdf](http://www.pi.nhs.uk/rpnm/IfH_KPI_Evidence_Targets.pdf)

KPI 3: Antenatal detection of fetal growth restriction													
Q1 2009 - Q1 2010 inclusive													
	Cases with required data (Q1 2009 - Q1 2010)	Births with FGR (birthweight <10th cust.centile)		Of all births with FGR, cases where SGA, FGR or IUGR was recorded in antenatal notes		Of births with FGR, cases with one or more EFW <10 cust. centile		Record of <i>either</i> SGA/FGR/IUGR in the notes, <i>or</i> EFW <10th customised centile		Subgroup: of births with FGR, cases scanned following fundal height assessment		Of cases scanned following fundal height assessment, cases diagnosed as FGR	
		Total	n	%	n	%	n	%	n	%	n	%	n
West Midlands (PCTs)	61413	8682	14.1%	1843	21.2%	2273	26.2%	2636	30.4%	2341	27.0%	1466	62.6%

PCT	Total	n	%	n	%	n	%	n	%	n	%	n	%
Birmingham East and North	5892	800	13.6%	159	19.9%	236	29.5%	259	32.4%	304	38.0%	196	64.5%
Coventry Teaching	2390	318	13.3%	40	12.6%	74	23.3%	81	25.5%	70	22.0%	30	42.9%
Dudley	3546	533	15.0%	73	13.7%	89	16.7%	110	20.6%	110	20.6%	69	62.7%
Heart of Birmingham Teaching	5617	823	14.7%	128	15.6%	224	27.2%	244	29.6%	224	27.2%	130	58.0%
Herefordshire	1602	205	12.8%	13	6.3%	43	21.0%	44	21.5%	21	10.2%	21	100.0%
North Staffordshire	1936	276	14.3%	92	33.3%	94	34.1%	110	39.9%	67	24.3%	51	76.1%
Sandwell	4574	689	15.1%	178	25.8%	205	29.8%	234	34.0%	173	25.1%	129	74.6%
Shropshire County	1589	200	12.6%	33	16.5%	14	7.0%	38	19.0%	57	28.5%	24	42.1%
Solihull	1825	241	13.2%	67	27.8%	81	33.6%	87	36.1%	108	44.8%	68	63.0%
South Birmingham	5288	729	13.8%	94	12.9%	199	27.3%	211	28.9%	151	20.7%	81	53.6%
South Staffordshire	6249	822	13.2%	217	26.4%	247	30.0%	274	33.3%	240	29.2%	173	72.1%
Stoke on Trent	4037	643	15.9%	243	37.8%	239	37.2%	273	42.5%	168	26.1%	114	67.9%
Telford and Wrekin	1162	180	15.5%	34	18.9%	14	7.8%	39	21.7%	54	30.0%	25	46.3%
Walsall Teaching	3159	564	17.9%	165	29.3%	187	33.2%	217	38.5%	205	36.3%	136	66.3%
Warwickshire	5078	595	11.7%	150	25.2%	168	28.2%	196	32.9%	159	26.7%	109	68.6%
Wolverhampton City	2906	419	14.4%	44	10.5%	11	2.6%	46	11.0%	106	25.3%	33	31.1%
Worcestershire	3840	504	13.1%	100	19.8%	127	25.2%	150	29.8%	80	15.9%	56	70.0%

Range: 11.0 - 42.5%

UNIT	Total	n	%	n	%	n	%	n	%	n	%	n	%
Alexandra Hospital	1340	174	13.0%	34	19.5%	43	24.7%	48	27.6%	19	10.9%	9	47.4%
Birmingham Women's Hospital	8298	1176	14.2%	157	13.4%	299	25.4%	320	27.2%	225	19.1%	114	50.7%
City Hospital	3481	541	15.5%	83	15.3%	158	29.2%	172	31.8%	139	25.7%	93	66.9%
George Eliot Hospital	2393	321	13.4%	75	23.4%	80	24.9%	101	31.5%	85	26.5%	70	82.4%
Good Hope Hospital	2732	326	11.9%	30	9.2%	102	31.3%	103	31.6%	93	28.5%	67	72.0%
Heartlands Hospital	4965	764	15.4%	206	27.0%	243	31.8%	268	35.1%	352	46.1%	225	63.9%
Hereford Hospital	1763	220	12.5%	13	5.9%	46	20.9%	48	21.8%	22	10.0%	22	100.0%
New Cross Hospital	3298	490	14.9%	50	10.2%	6	1.2%	52	10.6%	115	23.5%	32	27.8%
North Staffs (UHNS)	6249	953	15.3%	352	36.9%	346	36.3%	401	42.1%	245	25.7%	174	71.0%
Queens Burton & Samuel Johnson	3242	422	13.0%	100	23.7%	107	25.4%	122	28.9%	126	29.9%	88	69.8%
Russells Hall Hospital	4749	716	15.1%	99	13.8%	124	17.3%	147	20.5%	153	21.4%	96	62.7%
Sandwell Hospital	2579	381	14.8%	128	33.6%	132	34.6%	153	40.2%	100	26.2%	81	81.0%
Shrewsbury Hospital & MLUs	2777	390	14.0%	69	17.7%	26	6.7%	78	20.0%	115	29.5%	48	41.7%
Solihull Hospital	1782	180	10.1%	29	16.1%	34	18.9%	39	21.7%	71	39.4%	35	49.3%
Stafford Hospital	2547	353	13.9%	124	35.1%	144	40.8%	152	43.1%	118	33.4%	97	82.2%
Walsall Manor Hospital	4127	735	17.8%	193	26.3%	225	30.6%	263	35.8%	265	36.1%	173	65.3%
Walsgrave Hospital (UHCW)	2922	382	13.1%	47	12.3%	91	23.8%	98	25.7%	86	22.5%	37	43.0%
Warwick Hospital	2477	253	10.2%	70	27.7%	73	28.9%	82	32.4%	67	26.5%	39	58.2%
Worcestershire Royal Hospital	2460	311	12.6%	69	22.2%	90	28.9%	106	34.1%	62	19.9%	48	77.4%

Range: 10.6 - 43.1%

#### Data quality

Because this indicator describes a subgroup (antenatal detection) of a subgroup (cases with FGR), we present combined data from Q1 2009 to Q1 2010 inclusive. 'Antenatal detection' is based on close scrutiny of case notes and growth charts. Case note audit of FGR cases has shown that ascertainment by data clerks is reliable. However, clinicians' recording of detection of SGA / FGR / IUGR is often poor; therefore an EFW <10th centile was used as an additional indicator.

#### Performance & Progress

The rates of babies with fetal growth restriction ranges from 12.6% to 17.9% in the West Midlands. FGR varies with factors such as deprivation and smoking. The wide range of detection rates suggests room for improvement. The highest detection rates tend to be observed in the units which had the most intensive training. The unit with the lowest detection rate (10.6%) has had no training and is the only one in the West Midlands not using customised charts for their population. The results also show that once a woman is referred for scan on the basis of fundal height measurement, the detection rate is significantly higher.

#### Additional comments

Confidential enquiries into perinatal deaths have highlighted importance of antenatal detection of FGR. Free accredited GROW training is provided by PI in fortnightly workshops. Starting from October, provider units will be forwarded a list of their 'missed IUGR cases to assist with their local audits of fetal growth surveillance.

## KPI 4: Smoking in early pregnancy (at booking)

	Smoking at booking														
	Q2 2009			Q3 2009			Q4 2010			Total 2009/10			Q1 2010		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
<b>West Midlands (PCTs)</b>	12059	2338	19.4%	14583	2794	19.2%	14823	2866	19.3%	49686	9637	19.4%	14744	2705	18.3%
<b>PCT</b>															
Birmingham East and North	1123	188	16.7%	1533	241	15.7%	1455	267	18.4%	4984	829	16.6%	1207	189	15.7%
Coventry Teaching	632	14	22.6%	494	104	21.1%	900	161	17.9%	1476	284	19.2%	1009	187	18.5%
Dudley	670	123	18.4%	831	163	19.6%	870	191	22.0%	2990	593	19.8%	772	139	18.0%
Heart of Birmingham Teaching	1015	80	7.9%	1361	120	8.8%	1264	125	9.9%	4708	433	9.2%	1149	110	9.6%
Herefordshire	246	46	18.7%	411	82	20.0%	411	74	18.0%	1068	202	18.9%	459	92	20.0%
North Staffordshire	407	102	25.1%	387	85	22.0%	405	88	21.7%	1595	362	22.7%	396	86	21.7%
Sandwell	987	189	19.1%	933	182	19.5%	1068	191	17.9%	3907	742	19.0%	995	195	19.6%
Shropshire County	103	24	23.3%	399	83	20.8%	515	104	20.2%	1106	229	20.7%	558	88	15.8%
Solihull	442	101	22.9%	416	80	19.2%	455	97	21.3%	1478	323	21.9%	430	74	17.2%
South Birmingham	1114	226	20.3%	1182	252	21.3%	1081	214	19.8%	4379	909	20.8%	1086	208	19.2%
South Staffordshire	1260	231	18.3%	1541	306	19.9%	1476	280	19.0%	5057	978	19.3%	1490	273	18.3%
Stoke on Trent	857	246	28.7%	812	237	29.2%	811	212	26.1%	3333	926	27.8%	823	212	25.8%
Telford and Wrekin	48	15	31.3%	310	84	27.1%	330	91	27.6%	773	203	26.3%	443	126	28.4%
Walsall Teaching	827	183	22.1%	866	200	23.1%	819	205	25.0%	3295	783	23.8%	798	194	24.3%
Warwickshire	1071	200	18.7%	1076	167	15.5%	1317	233	17.7%	3838	695	18.1%	1408	230	16.3%
Wolverhampton City	695	145	20.9%	827	190	23.0%	788	157	19.9%	2431	523	21.5%	789	155	19.6%
Worcestershire	1132	225	19.9%	1204	218	18.1%	858	176	20.5%	3268	623	19.1%	932	147	15.8%

Range: 9.2 - 27.8%

Range: 9.6 - 28.4%

<b>UNIT</b>															
Alexandra Hospital	300	55	18.3%	444	89	20.0%	386	78	20.2%	1131	223	19.7%	425	75	17.6%
Birmingham Women's Hospital	1738	248	14.3%	1806	281	15.6%	1659	239	14.4%	6867	1026	14.9%	1685	234	13.9%
City Hospital	665	78	11.7%	773	91	11.8%	840	101	12.0%	2928	364	12.4%	807	109	13.5%
George Eliot Hospital	567	146	25.7%	357	78	21.8%	539	138	25.6%	1917	482	25.1%	570	112	19.6%
Good Hope Hospital	255	55	21.6%	835	157	18.8%	799	192	24.0%	2100	448	21.3%	743	137	18.4%
Heartlands Hospital	1134	197	17.4%	1096	169	15.4%	992	169	17.0%	4180	693	16.6%	1098	180	16.4%
Hereford Hospital	288	55	19.1%	473	95	20.1%	455	81	17.8%	1406	267	19.0%	506	101	20.0%
New Cross Hospital	776	179	23.1%	971	224	23.1%	899	179	19.9%	2730	610	22.3%	942	198	21.0%
North Staffs (UHNS)	1329	360	27.1%	1255	332	26.5%	1268	309	24.4%	5152	1325	25.7%	1284	299	23.3%
Queens Burton & Samuel Johnson	902	148	16.4%	881	150	17.0%	822	147	17.9%	2719	462	17.0%	818	155	18.9%
Russells Hall Hospital	1106	201	18.2%	1065	204	19.2%	1077	229	21.3%	4064	790	19.4%	966	177	18.3%
Sandwell Hospital	614	150	24.4%	540	111	20.6%	587	125	21.3%	2257	500	22.2%	524	116	22.1%
Shrewsbury Hospital & MLUs	115	31	27.0%	693	158	22.8%	901	201	22.3%	1878	420	22.4%	1061	231	21.8%
Solihull Hospital	557	100	18.0%	510	92	18.0%	588	101	17.2%	1683	296	17.6%	133	26	19.5%
Stafford Hospital	556	113	20.3%	530	125	23.6%	494	102	20.6%	2098	446	21.3%	512	100	19.5%
Walsall Manor Hospital	883	188	21.3%	914	219	24.0%	899	213	23.7%	3571	843	23.6%	811	185	22.8%
Walsgrave Hospital (UHCW)	36	7	19.4%	597	121	20.3%	1104	194	17.6%	1737	322	18.5%	1313	253	19.3%
Warwick Hospital	603	83	13.8%	628	76	12.1%	643	81	12.6%	1874	240	12.8%	646	65	10.1%
Worcestershire Royal Hospital	858	175	20.4%	795	142	17.9%	471	95	20.2%	2124	412	19.4%	505	79	15.6%

Range: 12.4 - 25.7%

Range: 12.5 - 25.9%

Percentages in grey represent small numbers (n < 100) and should be interpreted with caution

British Europeans	8903	2262	25.4%	10221	2518	24.6%	10316	2570	24.9%	35026	8856	25.3%	10548	2465	23.4%
Teenagers (< 18 at delivery)	264	116	43.9%	302	122	40.4%	309	144	46.6%	1050	460	43.8%	287	113	39.4%



### KPI 4: Smoking in late pregnancy (delivery)

To reduce smoking at delivery to

< 15% by 2010 or 1% per year

> 18%	15-18%	< 15%
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[www.pl.nhs.uk/fprm/114\\_KPI\\_Evidence\\_Targets.pdf](http://www.pl.nhs.uk/fprm/114_KPI_Evidence_Targets.pdf)

	Smoking at delivery														
	Q2 2009			Q3 2009			Q4 2010			Total 2009/10			Q1 2010		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
<b>West Midlands (PCTs)</b>	10828	1537	14.2%	12951	1817	14.0%	12862	1759	13.7%	44372	6240	14.1%	13255	1678	12.7%

PCT	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Birmingham East and North	904	113	12.5%	1347	165	12.2%	1230	172	14.0%	4210	527	12.5%	970	106	10.9%
Coventry Teaching	45	9	20.0%	190	29	15.3%	252	24	9.5%	507	68	13.4%	672	75	11.2%
Dudley	614	55	9.0%	777	68	8.8%	804	61	7.6%	2793	257	9.2%	749	27	3.6%
Heart of Birmingham Teaching	909	48	5.3%	1173	65	5.5%	1136	80	7.0%	4228	253	6.0%	1036	49	4.7%
Herefordshire	162	24	14.8%	283	42	14.8%	279	33	11.8%	724	99	13.7%	327	46	14.1%
North Staffordshire	401	75	18.7%	386	70	18.1%	411	68	16.5%	1594	280	17.6%	401	70	17.5%
Sandwell	854	85	10.0%	904	113	12.5%	1013	123	12.1%	3605	411	11.4%	976	126	12.9%
Shropshire County	100	18	18.0%	393	71	18.1%	511	88	17.2%	1093	190	17.4%	552	78	14.1%
Solihull	310	51	16.5%	328	54	16.5%	345	62	18.0%	1114	188	16.9%	322	44	13.7%
South Birmingham	1053	167	15.9%	1098	165	15.0%	982	129	13.1%	4110	639	15.5%	1041	126	12.1%
South Staffordshire	1220	166	13.6%	1509	217	14.4%	1464	198	13.5%	4950	699	14.1%	1471	180	12.2%
Stoke on Trent	839	179	21.3%	809	196	24.2%	812	168	20.7%	3308	729	22.0%	819	175	21.4%
Telford and Wrekin	47	11	23.4%	307	76	24.8%	327	71	21.7%	766	170	22.2%	444	109	24.5%
Walsall Teaching	791	113	14.3%	804	98	12.2%	806	142	17.6%	3139	477	15.2%	792	148	18.7%
Warwickshire	937	136	14.5%	820	81	9.9%	996	102	10.2%	3083	395	12.8%	1132	91	8.0%
Wolverhampton City	691	132	19.1%	821	172	21.0%	783	144	18.4%	2414	472	19.6%	788	139	17.6%
Worcestershire	951	155	16.3%	1002	135	13.5%	711	94	13.2%	2734	386	14.1%	763	89	11.7%

Range: 6.0 - 22.2%

Range: 3.6 - 24.5%

UNIT	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Alexandra Hospital	214	29	13.6%	328	42	12.8%	285	32	11.2%	828	104	12.6%	311	34	10.9%
Birmingham Women's Hospital	1708	199	11.7%	1740	185	10.6%	1561	149	9.5%	6654	738	11.1%	1670	141	8.4%
City Hospital	516	41	7.9%	598	36	6.0%	729	60	8.2%	2443	196	8.0%	701	61	8.7%
George Eliot Hospital	439	103	23.5%	300	33	11.0%	480	60	12.5%	1621	293	18.1%	483	20	4.1%
Good Hope Hospital	203	37	18.2%	687	105	15.3%	638	127	19.9%	1705	292	17.1%	597	73	12.2%
Heartlands Hospital	918	114	12.4%	1031	137	13.3%	902	123	13.6%	3612	458	12.7%	814	102	12.5%
Hereford Hospital	185	25	13.5%	318	53	16.7%	298	36	12.1%	961	131	13.6%	365	50	13.7%
New Cross Hospital	775	158	20.4%	966	203	21.0%	898	165	18.4%	2722	550	20.2%	942	180	19.1%
North Staffs (UHNS)	1303	258	19.8%	1251	272	21.7%	1276	247	19.4%	5119	1032	20.2%	1285	246	19.1%
Queens Burton & Samuel Johnson	868	102	11.8%	895	112	12.5%	879	121	13.8%	2750	346	12.6%	873	119	13.6%
Russells Hall Hospital	1005	92	9.2%	996	77	7.7%	993	69	6.9%	3780	329	8.7%	939	34	3.6%
Sandwell Hospital	522	62	11.9%	537	81	15.1%	584	94	16.1%	2089	285	13.6%	530	84	15.8%
Shrewsbury Hospital & MLUs	112	27	24.1%	688	143	20.8%	895	165	18.4%	1865	360	19.3%	1064	199	18.7%
Solihull Hospital	357	41	11.5%	351	41	11.7%	374	38	10.2%	1108	123	11.1%	90	10	11.1%
Stafford Hospital	547	75	13.7%	526	101	19.2%	474	58	12.2%	2056	315	15.3%	487	49	10.1%
Walsall Manor Hospital	866	121	14.1%	849	101	11.9%	891	145	16.3%	3428	510	14.9%	808	144	17.8%
Walsgrave Hospital (UHCW)	19	1	5.3%	183	24	13.1%	296	27	9.1%	498	52	10.4%	886	108	12.2%
Warwick Hospital	579	58	10.0%	522	48	9.2%	512	47	9.2%	1613	153	9.5%	526	35	6.7%
Worcestershire Royal Hospital	758	134	17.7%	689	101	14.7%	418	65	15.6%	1865	300	16.1%	443	62	14.0%

Range: 8.0 - 20.2%

Range: 3.6 - 19.1%

<b>British Europeans</b>	7956	1488	18.7%	8971	1641	18.3%	8879	1594	18.0%	31013	5769	18.6%	9394	1525	16.2%
<b>Teenagers (&lt; 18 at delivery)</b>	227	78	34.4%	263	84	31.9%	259	84	32.4%	905	300	33.1%	270	77	28.5%

Percentages in grey represent small numbers (n < 100) and should be interpreted with caution

#### Data quality

This information represents individual case-by case data and is therefore more accurate than unit estimates.

Wherever possible, the smoking-at-delivery information should be ascertained as part of the maternal history at the time of admission to delivery suite

## Smoking Cessation

	Q2 & 3, 2009				Q4, 2009 & Q1, 2010			
	Smokers at booking	Of these, still smoking at	Cessation Rate		Smokers at booking	Of these, still smoking	Cessation Rate	
	n	n	n	%	n	n	n	%
West Midlands (PCTs)	4290	3192	1098	25.6%	4545	3265	1280	28.2%

PCT	Smokers at booking	Of these, still smoking at	Cessation Rate		Smokers at booking	Of these, still smoking	Cessation Rate	
	n	n	n	%	n	n	n	%
Birmingham East and North	336	266	70	20.8%	333	260	73	21.9%
Coventry Teaching	42	35	7	16.7%	126	93	33	26.2%
Dudley	245	115	130	53.1%	-	-	-	*
Heart of Birmingham Teaching	143	107	36	25.2%	194	117	77	39.7%
Herefordshire	80	63	17	21.3%	104	72	32	30.8%
North Staffordshire	182	138	44	24.2%	174	135	39	22.4%
Sandwell	309	181	128	41.4%	363	234	129	35.5%
Shropshire County	100	84	16	16.0%	190	162	28	14.7%
Solihull	126	103	23	18.3%	127	106	21	16.5%
South Birmingham	426	313	113	26.5%	365	237	128	35.1%
South Staffordshire	507	364	143	28.2%	488	357	131	26.8%
Stoke on Trent	465	361	104	22.4%	419	329	90	21.5%
Telford and Wrekin	97	85	12	12.4%	215	178	37	17.2%
Walsall Teaching	302	206	96	31.8%	378	289	89	23.5%
Warwickshire	262	205	57	21.8%	239	188	51	21.3%
Wolverhampton City	328	289	39	11.9%	306	266	40	13.1%
Worcestershire	340	277	63	18.5%	226	163	63	27.9%

\* data quality issue being investigated

UNIT	Smokers at booking	Of these, still smoking at	Cessation Rate		Smokers at booking	Of these, still smoking	Cessation Rate	
	n	n	n	%	n	n	n	%
Alexandra Hospital	93	69	24	25.8%	90	60	30	33.3%
Birmingham Women's Hospital	492	357	135	27.4%	431	267	164	38.1%
City Hospital	114	73	41	36.0%	170	108	62	36.5%
George Eliot Hospital	160	123	37	23.1%	103	80	23	22.3%
Good Hope Hospital	168	132	36	21.4%	236	186	50	21.2%
Heartlands Hospital	295	246	49	16.6%	275	221	54	19.6%
Hereford Hospital	92	75	17	18.5%	111	77	34	30.6%
New Cross Hospital	394	345	49	12.4%	373	328	45	12.1%
North Staffs (UHNS)	668	509	159	23.8%	604	476	128	21.2%
Queens Burton & Samuel Johnson	293	197	96	32.8%	299	218	81	27.1%
Russells Hall Hospital	332	156	176	53.0%	-	-	-	*
Sandwell Hospital	222	131	91	41.0%	235	170	65	27.7%
Shrewsbury Hospital & MLUs	183	162	21	11.5%	428	358	70	16.4%
Solihull Hospital	108	80	28	25.9%	64	44	20	31.3%
Stafford Hospital	230	171	59	25.7%	162	104	58	35.8%
Walsall Manor Hospital	317	218	99	31.2%	377	288	89	23.6%
Walsgrave Hospital (UHCW)	30	24	6	20.0%	166	124	42	25.3%
Warwick Hospital	131	106	25	19.1%	105	82	23	21.9%
Worcestershire Royal Hospital	259	221	38	14.7%	134	113	21	15.7%

Percentages in grey represent small numbers (n <100) and should be interpreted with caution

### Comments

This analysis looks at the cases where information about smoking is available at the beginning and end of pregnancy. Cessation rates for Q4 & Q1 are 28%, which represents a significant increase from the first two quarters last year (OR 1.1.4, CI 1.0-1.3) However there is wide variation between units which needs to be looked at. Further work is also being undertaken to improve data quality. NB Referral and cessation rates appear higher in units with an OPT-OUT policy is in operation for referral to smoking cessation services Further analyses will be reported on later this year on the effects of smoking on perinatal outcome in the West Midlands.

## KPI 5: Initiation of breastfeeding within 48hrs

Target: Increase by 2% per year

< 1%	1-2%	≥ 2%
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[www.pi.nhs.uk/npnm/WH\\_KPI\\_Evidence\\_Targets.pdf](http://www.pi.nhs.uk/npnm/WH_KPI_Evidence_Targets.pdf)

	KPI 5 - Initiation of breastfeeding within 48hrs														
	Q2 2009			Q3 2009			Q4 2010			Total 2009/10			Q1 2010		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
West Midlands (PCTs)	10719	6341	59.2%	12299	7214	58.7%	12544	7368	58.7%	42768	25264	59.1%	12728	7756	60.9%

PCT	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Birmingham East and North	889	474	53.3%	1064	531	49.9%	1265	724	57.2%	3972	2153	54.2%	1036	632	61.0%
Coventry Teaching	38	23	60.5%	206	111	53.9%	708	397	56.1%	972	542	55.8%	828	488	58.9%
Dudley	619	387	62.5%	780	442	56.7%	780	417	53.5%	2767	1632	59.0%	670	352	52.5%
Heart of Birmingham Teaching	870	526	60.5%	1028	680	66.1%	793	508	64.1%	3363	2151	64.0%	757	479	63.3%
Herefordshire	121	84	69.4%	208	134	64.4%	218	134	61.5%	547	352	64.4%	239	152	63.6%
North Staffordshire	389	251	64.5%	372	247	66.4%	402	248	61.7%	1552	987	63.6%	386	225	58.3%
Sandwell	899	398	44.3%	821	405	49.3%	772	397	51.4%	3224	1595	49.5%	756	399	52.8%
Shropshire County	95	57	60.0%	376	274	72.9%	491	345	70.3%	1051	743	70.3%	535	381	71.2%
Solihull	337	189	56.1%	321	159	49.5%	396	242	61.1%	1206	675	56.0%	374	239	63.9%
South Birmingham	1021	629	61.6%	1083	649	59.8%	949	583	61.4%	3972	2486	62.6%	934	589	63.1%
South Staffordshire	1167	728	62.4%	1346	766	56.9%	1275	649	50.9%	4540	2605	57.4%	1369	796	58.1%
Stoke on Trent	819	448	54.7%	795	426	53.6%	798	441	55.3%	3238	1773	54.8%	806	458	56.8%
Telford and Wrekin	42	30	71.4%	294	175	59.5%	317	190	59.9%	735	453	61.6%	429	261	60.8%
Walsall Teaching	782	395	50.5%	753	337	44.8%	666	297	44.6%	2886	1370	47.5%	746	373	50.0%
Warwickshire	952	661	69.4%	926	657	71.0%	1169	798	68.3%	3417	2345	68.6%	1269	889	70.1%
Wolverhampton City	669	359	53.7%	807	449	55.6%	751	447	59.5%	2337	1324	56.7%	764	452	59.2%
Worcestershire	1010	702	69.5%	1119	773	69.1%	794	551	69.4%	2989	2078	69.5%	830	591	71.2%

Range: 47.5 - 70.7%

Range: 50.0 - 71.2%

UNIT	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Alexandra Hospital	291	214	73.5%	434	275	63.4%	382	261	68.3%	1107	750	67.8%	411	285	69.3%
Birmingham Women's Hospital	1599	1001	62.6%	1671	1044	62.5%	1501	941	62.7%	6309	4047	64.1%	1414	896	63.4%
City Hospital	571	312	54.6%	547	383	70.0%	266	212	79.7%	1508	990	65.6%	410	289	70.5%
George Eliot Hospital	537	315	58.7%	314	179	57.0%	461	260	56.4%	1769	1038	58.7%	530	335	63.2%
Good Hope Hospital	158	104	65.8%	632	392	62.0%	651	367	56.4%	1593	948	59.5%	618	383	62.0%
Heartlands Hospital	903	474	52.5%	614	193	31.4%	906	497	54.9%	3296	1664	50.5%	968	564	58.3%
Hereford Hospital	137	91	66.4%	247	155	62.8%	238	146	61.3%	810	547	67.5%	260	167	64.2%
New Cross Hospital	744	393	52.8%	946	527	55.7%	869	506	58.2%	2629	1465	55.7%	910	536	58.9%
North Staffs (UHNS)	1262	743	58.9%	1226	716	58.4%	1253	725	57.9%	4998	2909	58.2%	1263	741	58.7%
Queens Burton & Samuel Johnson	830	530	63.9%	739	396	53.6%	635	270	42.5%	2310	1282	55.5%	682	351	51.5%
Russells Hall Hospital	1027	666	64.8%	992	565	57.0%	960	521	54.3%	3755	2275	60.6%	841	437	52.0%
Sandwell Hospital	573	190	33.2%	499	222	44.5%	466	205	44.0%	2018	825	40.9%	429	189	44.1%
Shrewsbury Hospital & MLUs	102	65	63.7%	663	454	68.5%	856	579	67.6%	1788	1223	68.4%	1033	695	67.3%
Solihull Hospital	414	245	59.2%	432	251	58.1%	497	309	62.2%	1371	818	59.7%	113	69	61.1%
Stafford Hospital	538	313	58.2%	500	275	55.0%	482	264	54.8%	2032	1145	56.3%	493	277	56.2%
Walsall Manor Hospital	830	417	50.2%	776	326	42.0%	705	319	45.2%	3100	1457	47.0%	760	393	51.7%
Walsgrave Hospital (UHCW)	16	10	62.5%	221	118	53.4%	852	485	56.9%	1089	613	56.3%	1060	640	60.4%
Warwick Hospital	516	407	78.9%	601	484	80.5%	605	472	78.0%	1722	1363	79.2%	612	489	79.9%
Worcestershire Royal Hospital	739	509	68.9%	718	519	72.3%	412	289	70.1%	1869	1317	70.5%	426	310	72.8%

Range: 40.9 - 79.2%

Range: 44.1 - 79.9%

British Europeans	7955	4473	56.2%	8855	4832	54.6%	8911	4792	53.8%	30871	17012	55.1%	9280	5185	55.9%
Teenagers (< 18 at Delivery)	237	83	35.0%	267	82	30.7%	273	80	29.3%	935	287	30.7%	257	77	30.0%

Percentages in grey represent small numbers (n < 100) and should be interpreted with caution

### Data quality

Collection of this indicator is difficult because:

1. Reliance on the labour record is insufficient as breastfeeding may not have commenced prior to discharge;
2. The postnatal notes are taken home by the mother and there is often a delay before they are available to the data clerks; or
3. The time of commencement is not recorded. Improved documentation around time of first breastfeed is vitally important.

### Performance & Progress

There is wide variation in breastfeeding initiation rates around the region. This needs to be considered with consideration of differences in population characteristics. Preliminary figures show a small increase in rates cross the patch. However, further work is needed on improving record keeping.