

9th June 2010

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

Dear Colleague,

Herewith the **fourth report of the IfH 2c perinatal data collection programme**.

We present the results of the 5 KPIs (key performance indicators) from Quarter 4, together with totals for the first year, for all West Midlands PCTs and maternity units.

Data	WTE data clerks	Submission rate Q4
Submissions from WM Maternity units	22.2	80.7%

- Case ascertainment is improving, with 51,091 cases available to report on at end of Q4.
- WMPI have undertaken data quality audits in all units and ongoing training of clerks.
- We have made units aware of the need to improve quality of record keeping.
- Representatives from units and PCTs have access to PEER to generate their own queries on a range of demographic and commissioning metrics.

KPI 1	Target: 80%	WM Q4 average	Range across WM PCTs
Completed health and social risk assessment in pregnancy before 13 weeks gestation	81.9%	69.0 -88.8%	

- Good progress is being made towards the early booking target.
- PCT and Trust managers are utilising this information to validate Vital-Signs data.
- Further improvement is required as DH is aiming for a target of **90%** by end 2010/11.

KPI 2	Target: 75%	WM Q4 average	Range across WM PCTs
Antenatal continuity of carer	37.7%	11.4 -76.1%	

- Average rate well short of target, however range across WM suggests that better continuity IS achievable in areas with a locality based model of community midwifery.

KPI 3	Target: 10% incr /year	WM Q4 average	Range across WM PCTs
Antenatal detection of fetal growth restriction		29.8 %	9.8 - 43.0 %

- Detection rates for fetal growth restriction are low but vary substantially, with improved performance in some units as a result of training and increased access to growth scans;
- It is becoming apparent that units who have embraced the GROW training provided by WMPI have the best detection rates. In contrast, the WM unit which does not use customised charts has the worst detection rate (9.2 %).
- For mothers referred for scan following fundal height measurement, the detection rate rises to 61.9%.

KPI 4	Target: 15%	WM Q4 average	Range across WM PCTs
Smoking at delivery		13.5%	6.4 -23.4%
Cessation during pregnancy		25.9%	12.2 - 52.9%

- National smoking-in-pregnancy targets are being met mainly because of low smoking rates in South Asian populations; rates are higher in British-European mothers (17.8%);
- smoking rates are much higher in teenagers (32.4%);
- overall cessation rates are low, and vary widely across the West Midlands.

KPI 5	Target: 2% incr/year	WM Q4 average	Range across WM PCTs
Breastfeeding initiation (by 48h)		57.7%	43.9 – 70.5%

- Collection of this indicator is particularly challenging and requires better documentation;
- however, it is already apparent that there is wide variation in breastfeeding initiation rates.

The PEER data collection is now the largest database of routinely collected maternity information in England, and will provide us with essential, ongoing information on progress. This first year of data gives us a baseline for the region and the various health economies within it, and can be used for setting local targets and working towards improving quality.

A detailed sub-group analysis and demographics will follow in the final 2009-10 report, due July 2010.

With sincere regards



Professor Jason O. Gardosi
Director, West Midlands Perinatal Institute

West Midlands Investing for Health -Perinatal Data Collection Project

Q4 Report (January – March 2010)

This is the fourth quarterly report on the regional perinatal data collection established under the WM Investing for Health Perinatal & Infant Mortality Programme (2c). In this report we present also totals for the first year.

1. Submission rates have improved significantly and are now 80% for the region, but need to improve further. There are still significant staffing issues in relation to data clerks which we feed back on regularly, together with fortnightly activity reports on whether the submission targets are being achieved. **It is essential that data clerks are fully supported locally, and their posts maintained through timely contract negotiations.**
2. The information collected is allowing us to develop a baseline for KPIs as well as demographics, characteristics of pregnancies and factors affecting outcome. **PEER has rapidly established itself as the largest uniform maternity data collection system in England**, and will be an important source of information about the quality of care, equity and causes of adverse outcome.
3. Data quality: Over the last few months, a team from the Perinatal Institute have been undertaking a case note audit in each unit to assess the accuracy of the process and validity of the data entered on the Institute's Perinatal Episode Electronic Record (PEER). **The audit has demonstrated good overall accuracy**. Detailed results are being fed back to individual units.
4. However the same audit has shown **deficiencies in the quality of record keeping** within the maternity notes, which can affect each of the indicators presented in this report. The importance of accurate recording is also being highlighted in the series of Confidential Enquiries into perinatal deaths which we are currently reporting on. The SHA's IfH programme has commissioned PI to develop a quality assurance toolkit for maternity records.
5. Since early this year, we have been running a series of workshops for representatives from PCTs and maternity units, and provided them with 'data wizards' which **facilitate direct access to key indicators of their respective organisations' data collected on PEER**.
6. We are about to commence **pilots for Digital Pens**, which will allow real time data collection and reporting. This will be particularly important for data items such as Early Booking rates, which we can currently only provide after delivery, i.e. 6 or more months in arrears. It will also provide snapshots of current caseloads and levels of maternal medical and social risk, to facilitate effective workforce planning.

The next quarterly report is due September 2010. Before then, in July, we will also be releasing a first year report with comprehensive summary and subgroup analysis. The Institute's data analysts are also continuing to respond to individual data queries (for details on submitting data requests, see www.pi.nhs.uk/data)

PEER Team
West Midlands Perinatal Institute



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

Unit	WTE funded	WTE employed (May 10)	Recruitment details	Q1			Q2			Q3			Q4			Comments	
				Births Q1	Submissions		Births Q2	Submissions		Births Q3	Submissions		Births Q4	Submissions			
					n	%		n	%		n	%		n	%		
West Midlands	23.7	22.2		17973	8675	48.3%	18350	13004	70.9%	18421	15086	81.9%	17752	14326	80.7%	Continuing improvement in data ascertainment projected for 2010-11	
Alexandra	0.6	0.6	0.6WTE commenced July 09	463	1	0%	463	305	66%	480	447	93%	463	377	81%	Problems with lack of permanent base & access to notes resulting in less efficient submission rates	
Birmingham Womens	2.5	2.5	2.5WTE in post; commenced July, August & October 09	1799	1687	94%	1805	1771	98%	1856	1853	100%	1709	1694	99%	Excellent progress	
City	1.2	0	1.0WTE left in October. 1.2WTE advertised. Bank staff in post	901	663	74%	897	685	76%	941	796	85%	920	863	94%	3 temporary clerks working on bank	
George Eliot	0.8	0.8	0.8WTE commenced April 09	626	465	74%	626	568	91%	541	356	66%	571	542	95%	Process changed to direct entry onto PEER to increase submissions	
Good Hope	1.2	1.6	0.6WTE commenced April but left. Further 0.6WTE commenced Sept. 1.0WTE - Nov 09	904	219	24%	902	236	26%	980	697	71%	918	658	72%	Good progress, large backlog due to initial understaffing	
Heartlands	1.7	1.7	BHH & Solihull- 1.5WTE commenced July. 1.0WTE commenced Sept	1242	965	78%	1242	1129	91%	1242	1115	90%	1242	890	72%	Difficulty with access to permanent base for data clerks, IT problems	
Hereford	0.7	0.7	0.7WTE commenced Aug 09	477	202	42%	486	280	58%	495	479	97%	457	454	99%	Good 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	930	85	9%	943	777	82%	1025	971	95%	937	896	96%	Good progress	
North Staffs (UHNS)	1.9	1.9	1.0WTE in post throughout, second 1.0WTE left mid-09 not replaced until 26/10/09 (temp)	1365	1305	96%	1483	1343	91%	1399	1269	91%	1483	878	59%	Good progress despite understaffing	
Queens, Burton	1.2	1	0.8WTE commenced in July. 0.2WTE commenced Aug 09	831	36	4%	869	812	93%	867	805	93%	839	792	94%	Excellent progress	
Russells Hall	1.5	1.6	1.6WTE commenced June 09	1080	824	76%	1228	1113	91%	1189	1069	90%	1189	1079	91%	Excellent progress	
Samuel Johnson		0.2	0.2WTE commenced August 09 (Funding from Burton)	93	81	87%	104	96	92%	98	97	99%	100	91	91%	Excellent progress	
Sandwell	0.8	0.5	0.5WTE commenced April. 0.3WTE advertised	652	523	80%	685	617	90%	687	551	80%	683	600	88%	Good progress despite understaffing	
Shrewsbury & MLUs	1.7	1.6	0.6 commenced May. 1WTE commenced October (Temp)	1317	171	13%	1423	104	7%	1351	684	51%	1222	799	65%	Large backlog due to initial understaffing. Good progress	
Solihull	0.8	0.8	Clerk moved from BHH to Solihull in November 09	699	29	4%	668	232	35%	699	429	61%	614	529	86%	Data collection at Solihull commenced November - Large backlog to address	
Stafford	0.8	0.8	0.8WTE commenced June 09	554	522	94%	565	565	100%	534	534	100%	496	496	100%	Excellent progress	
Walsall Manor	1.2	1	1.0WTE commenced late June 09	937	897	96%	913	886	97%	936	929	99%	936	910	97%	Excellent progress	
Walsgrave (UHCW)	1.8	1.8	1.8WTE commenced data collection Nov 09	1412	0	0%	1479	30	2%	1517	599	39%	1398	967	69%	Clerks commenced November - large backlog	
Warwick	0.8	0.8	0.8WTE commenced July 09	688	0	0%	634	599	94%	646	622	96%	674	608	90%	Excellent progress	
Worcester	1.3	1.3	1.3WTE commenced July 09	1003	0	0%	935	856	92%	938	784	84%	901	203	23%	Permanent computer terminal yet to be arranged resulting in less efficient submission rates	

Interim (Q1) submission target

<60% 60-79% ≥80%

Project submission target

<80% 80-89% ≥90%

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, if actual figures not available). Data received is dependant upon the completeness of notes recorded by care providers, and sustained capacity of data clerks ensured by Units and respective PCTs.

The PI are about to commence pilots of Digital Pens for community midwives to facilitate ascertainment of real-time data.

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

Target: 80%

< 60%	60-79%	≥ 80%
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www.pi.nhs.uk/rpnm/Iff_KPI_Evidence_Targets.pdf

	KPI1a - Completed health and social assessment <13weeks														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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)	46395	37139	80.0%	8021	6123	76.3%	11282	8865	78.6%	13869	11315	81.6%	13223	10836	81.9%

PCT	KPI1a - Completed health and social assessment <13weeks														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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	4407	3519	79.9%	866	666	76.9%	978	737	75.4%	1327	1086	81.8%	1236	1030	83.3%
Coventry Teaching	1322	1137	86.0%	20	18	90.0%	54	48	88.9%	489	416	85.1%	759	655	86.3%
Dudley	2869	1632	56.9%	594	219	36.9%	601	264	43.9%	818	526	64.3%	856	623	72.8%
Heart of Birmingham Teaching	4528	3336	73.7%	1050	793	75.5%	982	738	75.2%	1324	940	71.0%	1172	865	73.8%
Herefordshire	1035	810	78.3%	*	*	*	238	185	77.7%	401	322	80.3%	396	303	76.5%
North Staffordshire	1472	1259	85.5%	391	329	84.1%	411	351	85.4%	385	326	84.7%	285	253	88.8%
Sandwell	3722	2935	78.9%	853	653	76.6%	930	717	77.1%	907	733	80.8%	1032	832	80.6%
Shropshire County	1019	854	83.8%	87	75	86.2%	91	70	76.9%	382	327	85.6%	459	382	83.2%
Solihull	1170	995	85.0%	164	133	81.1%	279	238	85.3%	343	294	85.7%	384	330	85.9%
South Birmingham	4258	3598	84.5%	996	851	85.4%	1066	878	82.4%	1166	997	85.5%	1030	872	84.7%
South Staffordshire	4704	4156	88.4%	753	658	87.4%	1156	1041	90.1%	1405	1250	89.0%	1390	1207	86.8%
Stoke on Trent	3031	2573	84.9%	847	725	85.6%	851	715	84.0%	791	663	83.8%	542	470	86.7%
Telford and Wrekin	701	502	71.6%	82	71	86.6%	42	29	69.0%	300	211	70.3%	277	191	69.0%
Walsall Teaching	3170	2267	71.5%	750	435	58.0%	778	475	61.1%	836	683	81.7%	806	674	83.6%
Warwickshire	3739	3296	88.2%	379	347	91.6%	1055	949	90.0%	1058	925	87.4%	1247	1075	86.2%
Wolverhampton City	2359	1895	80.3%	116	87	75.0%	679	555	81.7%	796	663	83.3%	768	590	76.8%
Worcestershire	2889	2375	82.2%	73	63	86.3%	1091	875	80.2%	1141	953	83.5%	584	484	82.9%

Range: 56.9 - 88.4%

Range: 69.0 - 88.8%

UNIT	KPI1a - Completed health and social assessment <13weeks														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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	1125	887	78.8%	1	0	0.0%	303	224	73.9%	444	354	79.7%	377	309	82.0%
Birmingham Women's Hospital	6837	5950	87.0%	1665	1455	87.4%	1724	1466	85.0%	1801	1571	87.2%	1647	1458	88.5%
City Hospital	2838	1845	65.0%	591	414	70.1%	639	411	64.3%	775	485	62.6%	833	535	64.2%
George Eliot Hospital	1913	1732	90.5%	461	421	91.3%	565	509	90.1%	353	329	93.2%	534	473	88.6%
Good Hope Hospital	1759	1522	86.5%	210	178	84.8%	230	194	84.3%	675	584	86.5%	644	566	87.9%
Heartlands Hospital	3781	2844	75.2%	953	700	73.5%	1097	804	73.3%	976	751	76.9%	755	589	78.0%
Hereford Hospital*	1171	911	77.8%	*	*	0.0%	273	210	76.9%	457	362	79.2%	441	339	76.9%
New Cross Hospital	2627	2140	81.5%	78	63	80.8%	751	629	83.8%	922	774	83.9%	876	674	76.9%
North Staffs (UHNS)	4699	3990	84.9%	1289	1098	85.2%	1324	1115	84.2%	1229	1028	83.6%	857	749	87.4%
Queens Burton & Samuel Johnson	2259	1964	86.9%	80	72	90.0%	740	658	88.9%	708	632	89.3%	731	602	82.4%
Russells Hall Hospital	3843	2288	59.5%	776	326	42.0%	977	473	48.4%	1036	706	68.1%	1054	783	74.3%
Sandwell Hospital	2243	1756	78.3%	500	379	75.8%	609	476	78.2%	541	433	80.0%	593	468	78.9%
Shrewsbury Hospital & MLUs	1710	1358	79.4%	166	145	87.3%	103	79	76.7%	674	534	79.2%	767	600	78.2%
Solihull Hospital	1194	987	82.7%	29	23	79.3%	227	178	78.4%	420	349	83.1%	518	437	84.4%
Stafford Hospital	2086	1891	90.7%	514	459	89.3%	553	511	92.4%	528	473	89.6%	491	448	91.2%
Walsgrave Hospital (UHCW)	3349	2400	71.7%	819	488	59.6%	797	470	59.0%	867	707	81.5%	866	735	84.9%
Warwick Hospital	1817	1350	86.7%	0	0	0.0%	28	23	82.1%	589	512	86.9%	940	815	86.7%
Worcestershire Royal Hospital	1741	1436	82.5%	0	0	0.0%	814	661	81.2%	731	613	83.9%	196	162	82.7%

* Data quality issue identified in Q1-2

Range: 59.5 - 90.7%

Range: 64.2 - 91.2%

Data quality

Gestational age 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.pi.nhs.uk/rpnm/lfh_KPI_Evidence_Targets.pdf

	KPI 1b - Two antenatal contacts before 13 weeks											
	Total 2009/10			Q2			Q3			Q4		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
West Midlands (PCTs)	38938	18241	46.8%	11475	4736	41.3%	14099	6698	47.5%	13364	6807	50.9%

PCT	KPI 1b - Two antenatal contacts before 13 weeks											
	Total 2009/10			Q2			Q3			Q4		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Birmingham East and North	3691	1667	45.2%	982	351	35.7%	1399	625	44.7%	1310	691	52.7%
Coventry Teaching	1310	910	69.5%	55	23	41.8%	489	337	68.9%	766	550	71.8%
Dudley	2362	533	22.6%	665	146	22.0%	828	188	22.7%	869	199	22.9%
Heart of Birmingham Teaching	3457	1426	41.2%	977	408	41.8%	1315	525	39.9%	1165	493	42.3%
Herefordshire	1036	647	62.5%	237	145	61.2%	404	263	65.1%	395	239	60.5%
North Staffordshire	1078	603	55.9%	410	224	54.6%	383	217	56.7%	285	162	56.8%
Sandwell	2777	1293	46.6%	914	433	47.4%	864	411	47.6%	999	449	44.9%
Shropshire County	928	712	76.7%	93	58	62.4%	378	290	76.7%	457	364	79.6%
Solihull	1062	412	38.8%	283	93	32.9%	369	135	36.6%	410	184	44.9%
South Birmingham	3264	1960	60.0%	1064	592	55.6%	1169	724	61.9%	1031	644	62.5%
South Staffordshire	4171	1445	34.6%	1239	373	30.1%	1503	579	38.5%	1429	493	34.5%
Stoke on Trent	2184	990	45.3%	849	351	41.3%	791	365	46.1%	544	274	50.4%
Telford and Wrekin	616	381	61.9%	42	22	52.4%	299	184	61.5%	275	175	63.6%
Walsall Teaching	2478	1765	71.2%	808	571	70.7%	853	616	72.2%	817	578	70.7%
Warwickshire	3363	1251	37.2%	1050	285	27.1%	1059	334	31.5%	1254	632	50.4%
Wolverhampton City	2276	818	35.9%	692	235	34.0%	813	276	33.9%	771	307	39.8%
Worcestershire	2885	1428	49.5%	1115	426	38.2%	1183	629	53.2%	587	373	63.5%

Range: 22.6 - 76.7%

Range: 22.9 - 79.6%

UNIT	KPI 1b - Two antenatal contacts before 13 weeks											
	Total 2009/10			Q2			Q3			Q4		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
Alexandra Hospital	1118	574	51.3%	299	26	8.7%	444	282	63.5%	375	266	70.9%
Birmingham Women's Hospital	5170	3306	63.9%	1724	1039	60.3%	1800	1154	64.1%	1646	1113	67.6%
City Hospital	2231	594	26.6%	647	187	28.9%	758	204	26.9%	826	203	24.6%
George Eliot Hospital	1440	843	58.5%	558	297	53.2%	349	216	61.9%	533	330	61.9%
Good Hope Hospital	1568	1038	66.2%	231	117	50.6%	685	474	69.2%	652	447	68.6%
Heartlands Hospital	3061	900	29.4%	1108	307	27.7%	1086	301	27.7%	867	292	33.7%
Hereford Hospital	1174	675	57.5%	272	156	57.4%	460	273	59.3%	442	246	55.7%
New Cross Hospital	2597	972	37.4%	768	275	35.8%	948	341	36.0%	881	356	40.4%
North Staffs (UHNS)	3408	1629	47.8%	1321	589	44.6%	1228	595	48.5%	859	445	51.8%
Queens Burton & Samuel Johnson	2566	1349	52.6%	884	384	43.4%	869	532	61.2%	813	433	53.3%
Russells Hall Hospital	3224	591	18.3%	1096	200	18.2%	1058	201	19.0%	1070	190	17.8%
Sandwell Hospital	1490	871	58.5%	530	292	55.1%	448	278	62.1%	512	301	58.8%
Shrewsbury Hospital & MLUs	1530	1126	73.8%	102	72	70.6%	666	486	73.0%	762	568	74.5%
Solihull Hospital	1176	509	43.3%	229	85	37.1%	425	160	37.6%	522	264	50.6%
Stafford Hospital	1575	129	8.2%	554	49	8.8%	530	46	8.7%	491	34	6.9%
Walsall Manor Hospital	2685	1828	68.1%	872	599	68.7%	909	613	67.4%	904	616	68.1%
Walsgrave Hospital (UHCW)	1570	1125	71.7%	29	19	65.5%	591	432	73.1%	950	674	70.9%
Warwick Hospital	1820	284	15.6%	597	35	5.9%	620	38	6.1%	603	211	35.0%
Worcestershire Royal Hospital	1821	841	46.2%	844	376	44.5%	776	365	47.0%	201	100	49.8%

Range: 8.2 - 73.6%

Range: 6.9 - 74.5%

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 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%

www.pi.nhs.uk/rpnm/IH_KPI_Evidence_Targets.pdf

	KPI2 - Continuity of carer 75% of community visits with same midwife														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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)	47235	18224	38.6%	8109	3371	41.6%	11555	4481	38.8%	14160	5320	37.6%	13411	5052	37.7%

PCT	KPI2 - Continuity of carer 75% of community visits with same midwife														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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	4546	1910	42.0%	855	359	42.0%	982	421	42.9%	1396	578	41.4%	1313	552	42.0%
Coventry Teaching	1325	464	35.0%	20	5	25.0%	54	28	51.9%	487	169	34.7%	764	262	34.3%
Dudley	2980	1924	64.6%	618	448	72.5%	666	423	63.5%	830	509	61.3%	866	544	62.8%
Heart of Birmingham Teaching	4571	1188	26.0%	1064	277	26.0%	990	250	25.3%	1338	334	25.0%	1179	327	27.7%
Herefordshire *	1038	239	23.0%	*	*	*	238	60	26.2%	403	90	22.3%	397	89	22.4%
North Staffordshire	1463	1118	76.4%	389	297	76.3%	409	311	76.0%	381	294	77.2%	284	216	76.1%
Sandwell	3882	1051	27.1%	913	260	28.5%	981	260	26.5%	939	248	26.4%	1049	283	27.0%
Shropshire County	997	166	16.6%	83	20	24.1%	88	19	21.6%	372	45	12.1%	454	82	18.1%
Solihull	1219	562	46.1%	163	55	33.7%	283	132	46.6%	365	178	48.8%	408	197	48.3%
South Birmingham	4251	1088	25.6%	994	286	26.8%	1061	279	26.3%	1167	308	26.4%	1029	215	20.8%
South Staffordshire	4909	1964	40.0%	758	257	33.9%	1237	484	39.1%	1491	675	45.3%	1423	548	38.5%
Stoke on Trent	3025	2056	68.0%	838	594	70.9%	852	590	69.2%	789	518	65.7%	546	354	64.8%
Telford and Wrekin	680	80	11.8%	78	14	17.9%	36	7	19.4%	295	28	9.5%	271	31	11.4%
Walsall Teaching	3271	1184	36.2%	777	249	32.0%	815	257	31.5%	859	339	39.5%	820	339	41.3%
Warwickshire	3734	1362	36.5%	369	189	51.2%	1053	382	36.3%	1057	337	31.9%	1255	454	36.2%
Wolverhampton City	2392	1286	53.8%	119	34	29.8%	690	338	49.0%	811	480	59.2%	772	434	56.2%
Worcestershire	2952	582	19.7%	71	27	38.0%	1120	240	21.4%	1180	190	16.1%	581	125	21.5%

Range: 11.8 - 76.4%

Range: 11.4 - 76.1%

UNIT	KPI2 - Continuity of carer 75% of community visits with same midwife														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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	1123	321	28.6%	1	0	0.0%	301	89	29.6%	445	122	27.4%	376	110	29.3%
Birmingham Women's Hospital	6825	1738	25.5%	1658	475	29.6%	1722	409	23.8%	1801	469	26.0%	1644	385	23.4%
City Hospital	2909	804	27.6%	641	195	30.4%	663	216	32.6%	773	160	20.7%	832	233	28.0%
George Eliot Hospital	1889	846	44.8%	449	238	53.0%	560	239	42.7%	347	142	40.9%	533	227	42.6%
Good Hope Hospital	1772	558	31.5%	208	84	40.4%	232	69	29.7%	681	218	32.0%	651	187	28.7%
Heartlands Hospital	4004	1905	47.6%	939	373	39.7%	1110	510	45.9%	1086	564	51.9%	869	458	52.7%
Hereford Hospital*	1168	324	27.7%	*	*	*	271	78	28.8%	456	130	28.5%	441	116	26.3%
New Cross Hospital	2681	1405	52.4%	83	16	19.3%	769	355	46.2%	947	547	57.8%	882	487	55.2%
North Staffs (JHNS)	4675	3281	70.2%	1274	919	72.1%	1319	935	70.9%	1223	837	68.4%	859	590	68.7%
Queens Burton & Samuel Johnson	2624	1124	42.8%	85	34	40.0%	880	355	40.3%	856	395	46.1%	803	340	42.3%
Russells Hall Hospital	3998	2440	61.0%	810	565	69.8%	1092	657	60.2%	1050	603	57.4%	1046	615	58.8%
Sandwell Hospital	2246	462	20.6%	510	99	19.4%	606	122	20.1%	539	107	19.9%	591	134	22.7%
Shrewsbury Hospital & MLUs	1680	244	14.5%	163	32	19.6%	96	17	17.7%	658	62	9.4%	763	133	17.4%
Solihull Hospital	1188	556	46.8%	28	7	25.0%	222	103	46.4%	419	186	44.4%	519	260	50.1%
Stafford Hospital	2082	649	31.2%	511	142	27.8%	551	163	29.6%	529	206	38.9%	491	138	28.1%
Walsall Manor Hospital	3561	1198	33.6%	870	258	29.7%	877	266	30.3%	912	332	36.4%	902	342	37.9%
Walsgrave Hospital (UHCW)	1567	546	34.8%	0	0	0.0%	29	13	44.8%	589	199	33.8%	949	334	35.2%
Warwick Hospital	1818	553	30.4%	0	0	0.0%	597	189	31.7%	618	175	28.3%	603	189	31.3%
Worcestershire Royal Hospital	1820	267	14.7%	0	0	0.0%	844	159	18.8%	775	81	10.5%	201	27	13.4%

Range: 14.5 - 70.2%

Range: 13.4 - 68.7%

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 is reviewing this indicator upon completion of 12 months of data collection. An alternative option is to collect continuity with a team of two midwives. 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
 IH 3-year project target:
 60% detection

www.pi.nhs.uk/rpm/IH_KPI_Evidence_Targets.pdf

	KPI 3: Antenatal detection of fetal growth restriction												
	Q1-Q4												
	Cases with required data (Q1-Q4)	Births with FGR (birthweight <10th 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 <10th centile		Record of either SGA/FGR/IUGR in the notes, or: 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)	45674	6502	14.2%	1370	21.1%	1648	25.3%	1938	29.8%	1780	27.4%	1101	61.9%

PCT	4414	606	13.7%	127	21.0%	170	28.1%	193	31.8%	229	37.8%	143	62.4%
Birmingham East and North	1331	168	12.6%	16	9.5%	34	20.2%	36	21.4%	36	21.4%	13	36.1%
Coventry Teaching	2804	423	15.1%	62	14.7%	73	17.3%	94	22.2%	91	21.5%	57	62.6%
Dudley	4392	645	14.7%	97	15.0%	156	24.2%	177	27.4%	172	26.7%	96	55.8%
Heart of Birmingham Teaching	1130	144	12.7%	7	4.9%	23	16.0%	24	16.7%	8	5.6%	8	100.0%
Herefordshire	1467	195	13.3%	62	31.8%	64	32.8%	77	39.5%	48	24.6%	34	70.8%
North Staffordshire	3611	540	15.0%	137	25.4%	151	28.0%	175	32.4%	142	26.3%	108	76.1%
Sandwell	1024	130	12.7%	21	16.2%	8	6.2%	24	18.5%	38	29.2%	14	36.8%
Shropshire County	1209	161	13.3%	49	30.4%	57	35.4%	62	38.5%	75	46.6%	49	65.3%
Solihull	4149	584	14.1%	70	12.0%	158	27.1%	169	28.9%	119	20.4%	60	50.4%
South Birmingham	4754	626	13.2%	164	26.2%	185	29.6%	207	33.1%	181	28.9%	131	72.4%
Stoke on Trent	3041	486	16.0%	186	38.3%	181	37.2%	209	43.0%	129	26.5%	90	69.8%
Telford and Wrekin	714	107	15.0%	23	21.5%	11	10.3%	26	24.3%	37	34.6%	21	56.8%
Walsall Teaching	3101	587	18.9%	147	25.0%	167	28.4%	194	33.0%	225	38.3%	140	62.2%
Warwickshire	3653	432	11.8%	104	24.1%	114	26.4%	134	31.0%	120	27.8%	80	66.7%
Wolverhampton City	2160	315	14.6%	30	9.5%	7	2.2%	31	9.8%	76	24.1%	20	26.3%
Worcestershire	2720	353	13.0%	68	19.3%	89	25.2%	106	30.0%	54	15.3%	37	68.5%

Range: 9.8 - 43.0%

UNIT	940	117	12.4%	27	23.1%	33	28.2%	37	31.6%	13	11.1%	7	53.8%
Alexandra Hospital	6642	960	14.5%	120	12.5%	231	24.1%	252	26.3%	180	18.8%	89	49.4%
Birmingham Women's Hospital	2693	418	15.5%	58	13.9%	105	25.1%	117	28.0%	102	24.4%	60	58.8%
City Hospital	1829	248	13.6%	62	25.0%	63	25.4%	81	32.7%	71	28.6%	59	83.1%
George Eliot Hospital	1756	211	12.0%	20	9.5%	60	28.4%	61	28.9%	51	24.2%	39	76.5%
Good Hope Hospital	3849	584	15.2%	163	27.9%	183	31.3%	208	35.6%	270	46.2%	172	63.7%
Heartlands Hospital	1252	158	12.6%	8	5.1%	26	16.5%	28	17.7%	8	5.1%	8	100.0%
Hereford Hospital	2416	358	14.8%	31	8.7%	4	1.1%	33	9.2%	81	22.6%	18	22.2%
New Cross Hospital	4703	707	15.0%	263	37.2%	257	36.4%	302	42.7%	187	26.4%	133	71.1%
North Staffs (UHNS)	2547	328	12.9%	80	24.4%	87	26.5%	99	30.2%	99	30.2%	71	71.7%
Queens Burton & Samuel Johnson	3814	570	14.9%	84	14.7%	107	18.8%	127	22.3%	129	22.6%	80	62.0%
Russells Hall Hospital	2077	309	14.9%	101	32.7%	101	32.7%	120	38.8%	91	29.4%	75	82.4%
Sandwell Hospital	1716	240	14.0%	44	18.3%	16	6.7%	49	20.4%	77	32.1%	34	44.2%
Shrewsbury Hospital & MLUs	1225	126	10.3%	19	15.1%	21	16.7%	25	19.8%	51	40.5%	22	43.1%
Solihull Hospital	2047	279	13.6%	97	34.8%	113	40.5%	121	43.4%	91	32.6%	77	84.6%
Stafford Hospital	3346	622	18.6%	162	26.0%	180	28.9%	214	34.4%	241	38.7%	155	64.3%
Walsgrave Hospital (UHCW)	1571	192	12.2%	17	8.9%	37	19.3%	39	20.3%	42	21.9%	14	33.3%
Warwick Hospital	1804	190	10.5%	46	24.2%	51	26.8%	56	29.5%	53	27.9%	28	52.8%
Worcestershire Royal Hospital	1732	216	12.5%	44	20.4%	59	27.3%	71	32.9%	43	19.9%	33	76.7%

Range: 9.2 - 43.4%

Percentages in grey represent small numbers and should be interpreted with caution

Data quality

Because this indicator describes a subgroup (antenatal detection) of a subgroup (cases with FGR), we present combined data for the year.
 '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 11.8% to 18.9% 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 GROW training.
 The unit with the lowest detection rate (9.2%) has had no training and is the only one in the West Midlands not using customised charts for their population.
 Across the Region, 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.

KPI 4a: Smoking in pregnancy (at booking)

	Smoking at booking														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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)	47627	9202	19.3%	8221	1639	19.9%	11648	2265	19.4%	14271	2726	19.1%	13487	2572	19.1%

PCT	Smoking at booking														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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	4594	746	16.2%	873	133	15.2%	996	168	16.9%	1409	217	15.4%	1316	228	17.3%
Coventry Teaching	1332	253	19.0%	20	5	25.0%	56	13	23.2%	488	102	20.9%	768	133	17.3%
Dudley	2969	587	19.8%	619	116	18.7%	667	123	18.4%	826	161	19.5%	857	187	21.8%
Heart of Birmingham Teaching	4576	402	8.8%	1068	108	10.1%	997	74	7.4%	1337	115	8.6%	1174	105	8.9%
Herefordshire	1041	199	19.1%	*	*	*	239	45	18.8%	404	82	20.3%	398	72	18.1%
North Staffordshire	1471	333	22.6%	396	87	22.0%	406	102	25.1%	385	85	22.1%	284	59	20.8%
Sandwell	3889	735	18.9%	919	180	19.6%	985	188	19.1%	928	179	19.3%	1057	188	17.8%
Shropshire County	1050	219	20.9%	89	18	20.2%	98	23	23.5%	392	83	21.2%	471	95	20.2%
Solihull	1229	272	22.1%	165	45	27.3%	284	70	24.6%	372	72	19.4%	408	85	20.8%
South Birmingham	4292	891	20.8%	1002	217	21.7%	1076	222	20.6%	1174	250	21.3%	1040	202	19.4%
South Staffordshire	4973	956	19.2%	780	161	20.6%	1250	227	18.2%	1510	298	19.7%	1433	270	18.8%
Stoke on Trent	3071	865	28.2%	853	231	27.1%	857	246	28.7%	808	235	29.1%	553	153	27.7%
Telford and Wrekin	718	194	27.0%	85	13	15.3%	44	15	34.1%	308	84	27.3%	281	82	29.2%
Walsall Teaching	3279	779	23.8%	783	195	24.9%	822	182	22.1%	858	198	23.1%	816	204	25.0%
Warwickshire	3760	687	18.3%	374	95	25.4%	1058	199	18.8%	1065	164	15.4%	1263	229	18.1%
Wolverhampton City	2408	518	21.5%	121	31	25.6%	690	145	21.0%	819	227	22.7%	778	156	20.1%
Worcestershire	2975	566	19.0%	74	4	5.4%	1123	223	19.9%	1188	215	18.1%	590	124	21.0%

Range: 8.4 - 28.6%

Range: 8.9 - 29.2%

UNIT	Smoking at booking														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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	1118	222	19.9%	1	1	100.0%	300	55	18.3%	443	89	20.1%	374	77	20.6%
Birmingham Women's Hospital	6858	1025	14.9%	1664	258	15.5%	1737	248	14.3%	1804	281	15.6%	1653	238	14.4%
City Hospital	2918	364	12.5%	650	94	14.5%	663	78	11.8%	769	91	11.8%	836	101	12.1%
George Eliot Hospital	1909	480	25.1%	454	120	26.4%	564	145	25.7%	354	77	21.8%	537	138	25.7%
Good Hope Hospital	1795	365	20.3%	211	44	20.9%	235	47	20.0%	694	129	18.6%	655	145	22.1%
Heartlands Hospital	4045	665	16.4%	958	158	16.5%	1122	195	17.4%	1089	168	15.4%	876	144	16.4%
Hereford Hospital	1380	263	19.1%	190	36	18.9%	279	53	19.0%	465	95	20.4%	446	79	17.7%
New Cross Hospital	2703	600	22.2%	84	28	33.3%	769	178	23.1%	960	217	22.6%	890	177	19.9%
North Staffs (JHNS)	4744	1230	25.9%	1300	324	24.9%	1328	360	27.1%	1249	330	26.4%	867	216	24.9%
Queens Burton & Samuel Johnson	2699	458	17.0%	114	17	14.9%	897	148	16.5%	877	149	17.0%	811	144	17.8%
Russells Hall Hospital	4033	780	19.3%	816	156	19.1%	1101	200	18.2%	1058	201	19.0%	1058	223	21.1%
Sandwell Hospital	2252	500	22.2%	516	114	22.1%	612	150	24.5%	539	111	20.6%	585	125	21.4%
Shrewsbury Hospital & MLUs	1756	400	22.8%	169	30	17.8%	104	29	27.9%	684	158	23.1%	799	183	22.9%
Solihull Hospital	1206	203	16.8%	28	3	10.7%	231	43	18.6%	426	73	17.1%	521	84	16.1%
Stafford Hospital	2097	445	21.2%	518	106	20.5%	556	113	20.3%	530	125	23.6%	493	101	20.5%
Walsall Manor Hospital	3564	842	23.6%	875	223	25.5%	881	188	21.3%	910	218	24.0%	898	213	23.7%
Walsgrave Hospital (UHCW)	1576	294	18.7%	0	0	0.0%	30	6	20.0%	592	121	20.4%	954	167	17.5%
Warwick Hospital	1827	232	12.7%	0	0	0.0%	599	83	13.9%	621	73	11.8%	607	76	12.5%
Worcestershire Royal Hospital	1833	358	19.5%	0	0	0.0%	851	174	20.4%	780	139	17.8%	202	45	22.3%

Range: 12.5 - 25.9%

Range: 12.1 - 25.7 %

British Europeans	33529	8478	25.3%	5586	1506	27.0%	8621	2201	25.5%	9993	2459	24.6%	9329	2312	24.8%
Teenagers (< 18 at delivery)	1009	441	43.7%	175	78	44.6%	260	114	43.8%	291	117	40.2%	283	132	46.6%

KPI 4b: Smoking in pregnancy (at delivery)

To reduce smoking at delivery to

< 15% by 2010 or 1% per year

> 18%	15-18%	< 15%
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www.pi.nhs.uk/rpm/ith_KPI_Evidence_Targets.pdf

	Smoking at delivery														
	Total 2009/10			Q1			Q2			Q3			Q4		
	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)	42654	5985	14.0%	7731	1127	14.6%	10540	1509	14.3%	12703	1775	14.0%	11680	1574	13.5%

PCT	3907	482	12.3%	729	77	10.6%	813	106	13.0%	1248	150	12.0%	1117	149	13.3%
Birmingham East and North	406	56	13.8%	20	6	30.0%	41	9	22.0%	186	28	15.1%	159	13	8.2%
Coventry Teaching	2772	255	9.2%	598	73	12.2%	611	55	9.0%	772	68	8.8%	791	59	7.5%
Dudley	4128	237	5.7%	1010	60	5.9%	899	47	5.2%	1155	62	5.4%	1064	68	6.4%
Heart of Birmingham Teaching	709	99	14.0%	*	*	*	160	24	15.0%	279	42	15.1%	270	33	12.2%
Herefordshire	1469	258	17.6%	396	67	16.9%	400	75	18.8%	384	70	18.2%	289	46	15.8%
Sandwell	3588	408	11.4%	834	90	10.8%	852	84	9.9%	899	111	12.3%	1003	123	12.3%
Shropshire County	1039	182	17.5%	89	13	14.6%	96	18	18.8%	387	71	18.3%	467	80	17.1%
Solihull	943	162	17.2%	131	21	16.0%	209	40	19.1%	296	50	16.9%	307	51	16.6%
South Birmingham	4043	631	15.6%	977	178	18.2%	1026	164	16.0%	1093	164	15.0%	947	125	13.2%
South Staffordshire	4879	682	14.0%	757	118	15.6%	1210	162	13.4%	1484	212	14.3%	1428	190	13.3%
Stoke on Trent	3047	684	22.4%	848	186	21.9%	839	179	21.3%	806	195	24.2%	554	124	22.4%
Telford and Wrekin	711	164	23.1%	85	12	14.1%	43	11	25.6%	305	76	24.9%	278	65	23.4%
Walsall Teaching	3124	474	15.2%	738	124	16.8%	786	112	14.2%	797	97	12.2%	803	141	17.6%
Warwickshire	3024	390	12.9%	330	76	23.0%	926	136	14.7%	811	78	9.6%	957	100	10.4%
Wolverhampton City	2391	467	19.5%	119	24	20.2%	686	132	19.2%	813	168	20.7%	773	143	18.5%
Worcestershire	2474	354	14.3%	70	2	2.9%	943	155	16.4%	988	133	13.5%	473	64	13.5%

Range: 5.7 - 23.1%

Range: 6.4 - 23.4%

UNIT	815	103	12.6%	1	1	100.0%	214	29	13.6%	327	42	12.8%	273	31	11.4%
Alexandra Hospital	6643	738	11.1%	1645	205	12.5%	1708	199	11.7%	1740	185	10.6%	1550	149	9.6%
Birmingham Women's Hospital	2434	196	8.1%	600	59	9.8%	514	41	8.0%	597	36	6.0%	723	60	8.3%
City Hospital	1614	293	18.2%	402	97	24.1%	436	103	23.6%	298	33	11.1%	478	60	12.6%
George Eliot Hospital	1459	239	16.4%	177	23	13.0%	190	33	17.4%	565	85	15.0%	527	98	18.6%
Good Hope Hospital	3493	437	12.5%	761	84	11.0%	908	113	12.4%	1026	136	13.3%	798	104	13.0%
Heartlands Hospital	950	131	13.8%	160	17	10.6%	182	25	13.7%	314	53	16.9%	294	36	12.2%
Hereford Hospital	2694	540	20.0%	83	24	28.0%	767	157	20.5%	955	196	20.5%	889	163	18.3%
New Cross Hospital	4709	960	20.4%	1289	255	19.8%	1301	258	19.8%	1246	271	21.7%	873	176	20.2%
North Staffs (UHNS)	2736	343	12.5%	108	11	10.2%	863	102	11.8%	892	111	12.4%	873	119	13.6%
Queens Burton & Samuel Johnson	3749	326	8.7%	786	91	11.6%	1000	91	9.1%	989	77	7.8%	974	67	6.9%
Russells Hall Hospital	2084	285	13.7%	446	48	10.8%	520	62	11.9%	536	81	15.1%	582	94	16.2%
Shrewsbury Hospital & MLUs	1743	344	19.7%	170	25	14.7%	101	25	24.8%	679	143	21.1%	793	151	19.0%
Solihull Hospital	785	87	11.1%	26	3	11.5%	139	20	14.4%	292	33	11.3%	328	31	9.5%
Stafford Hospital	2055	314	15.3%	509	81	15.9%	547	75	13.7%	526	101	19.2%	473	57	12.1%
Walsall Manor Hospital	3422	510	14.9%	832	143	17.2%	854	121	14.2%	846	101	11.9%	890	145	16.3%
Walsgrave Hospital (UHCW)	385	42	10.9%	0	0	0.0%	15	1	6.7%	180	24	13.3%	190	17	8.9%
Warwick Hospital	1581	148	9.4%	0	0	0.0%	575	58	10.1%	517	45	8.7%	489	45	9.2%
Worcestershire Royal Hospital	1607	269	16.7%	0	0	0.0%	753	134	17.8%	676	99	14.6%	178	36	20.2%

Range: 8.1 - 20.4%

Range: 6.9 - 20.2%

British Europeans	29767	5543	18.6%	5207	1046	20.1%	7762	1465	18.9%	8794	1605	18.3%	8004	1427	17.8%
Teenagers (< 18 at delivery)	874	289	33.1%	156	54	34.6%	226	78	34.5%	254	80	31.5%	238	77	32.4%

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

Performance & Progress

The target appears to be reached; however this is mainly due to the high proportion of South Asian mothers with very low smoking rates.

British European mothers and teenagers have substantially higher smoking rates. Therefore, a more targeted approach to these groups is needed.

KPI 4c: Smoking Cessation

	CASES WHERE BOTH BOOKING AND DELIVERY INFORMATION IS PRESENT (Q1-Q4)			
	n	Smokers at Delivery	Cessation Rate (of mothers who smoked at booking)	
		n	%	
West Midlands (PCTs)	7707	5708	1999	25.9%

PCT	n	n	n	%
Birmingham East and North	576	460	116	20.1%
Coventry Teaching	62	49	13	21.0%
Dudley	499	235	264	52.9%
Heart of Birmingham Teaching	321	217	104	32.4%
Herefordshire	139	103	36	25.9%
North Staffordshire	328	248	80	24.4%
Sandwell	607	377	230	37.9%
Shropshire County	210	175	35	16.7%
Solihull	195	160	35	17.9%
South Birmingham	797	592	205	25.7%
South Staffordshire	886	650	236	26.6%
Stoke on Trent	844	660	184	21.8%
Telford and Wrekin	190	161	29	15.3%
Walsall Teaching	653	469	184	28.2%
Warwickshire	466	370	96	20.6%
Wolverhampton City	507	445	62	12.2%
Worcestershire	427	337	90	21.1%

Range: 12.2 - 52.9%

UNIT	n	n	n	%
Alexandra Hospital	138	98	40	29.0%
Birmingham Women's Hospital	949	684	265	27.9%
City Hospital	274	180	94	34.3%
George Eliot Hospital	341	272	69	20.2%
Good Hope Hospital	284	223	61	21.5%
Heartlands Hospital	522	431	91	17.4%
Hereford Hospital	157	122	35	22.3%
New Cross Hospital	589	517	72	12.2%
North Staffs (UHNS)	1203	926	277	23.0%
Queens Burton & Samuel Johnson	447	314	133	29.8%
Russells Hall Hospital	647	300	347	53.6%
Sandwell Hospital	413	266	147	35.6%
Shrewsbury Hospital & MLUs	390	333	57	14.6%
Solihull Hospital	110	82	28	25.5%
Stafford Hospital	414	305	109	26.3%
Walsall Manor Hospital	703	505	198	28.2%
Walsgrave Hospital (UHCW)	51	36	15	29.4%
Warwick Hospital	184	148	36	19.6%
Worcestershire Royal Hospital	295	254	41	13.9%

Range: 12.2 - 53.6%

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

Comments

There is wide variation in cessation rates. Russells Hall has achieved by far the highest cessation rate at 53.6%.

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 shortly about 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/rpnm/lth_KPI_Evidence_Targets.pdf

	KPI 5 - Initiation of breastfeeding within 48hrs											
	Total 2009/10			Q1		Q2		Q3		Q4		
	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%	Cases with required data	n	%
West Midlands (PCTs)	42261	24755	58.6%	7206	4341	60.8%	10756	6302	58.6%	12462	7278	58.4%

PCT	3848	2075	53.9%	754	424	56.2%	851	447	52.5%	1029	509	49.5%	1214	695	57.2%
Birmingham East and North	941	514	54.6%	20	11	55.0%	39	25	64.1%	221	113	51.1%	661	365	55.2%
Coventry Teaching	2799	1646	58.8%	588	386	65.6%	627	390	62.2%	795	449	56.5%	789	421	53.4%
Dudley	3294	2107	64.0%	672	437	65.0%	871	524	60.2%	1023	677	66.2%	728	469	64.4%
Heart of Birmingham Teaching	543	343	63.2%	*	*	*	119	83	69.7%	207	131	63.3%	217	129	59.4%
Herefordshire	1499	948	63.2%	389	241	62.0%	399	257	64.4%	382	253	66.2%	329	197	59.9%
North Staffordshire	3251	1598	49.2%	732	395	54.0%	913	401	43.9%	833	411	49.3%	773	391	50.6%
Sandwell	1060	751	70.8%	89	67	75.3%	94	57	60.6%	385	280	72.7%	492	347	70.5%
Shropshire County	1068	578	54.1%	152	85	55.9%	247	122	49.4%	296	149	50.3%	373	222	59.5%
Solihull	3910	2420	61.9%	919	626	68.1%	1031	621	60.2%	1102	652	59.2%	858	521	60.7%
South Birmingham	4613	2629	57.0%	752	462	61.4%	1196	748	62.5%	1379	785	56.9%	1286	634	49.3%
South Staffordshire	3116	1679	53.9%	826	458	55.4%	843	455	54.0%	816	435	53.3%	631	331	52.5%
Stoke on Trent	738	453	61.4%	82	58	70.7%	43	31	72.1%	306	183	59.8%	307	181	59.0%
Telford and Wrekin	2911	1374	47.2%	685	341	49.8%	797	400	50.2%	766	342	44.6%	663	291	43.9%
Walsall Teaching	3452	2348	68.0%	370	229	61.9%	964	665	69.0%	950	667	70.2%	1168	787	67.4%
Warwickshire	2376	1337	56.3%	110	69	62.7%	688	365	53.1%	816	451	55.3%	762	452	59.3%
Wolverhampton City	2842	1955	68.8%	66	52	78.8%	1034	711	68.8%	1156	791	68.4%	586	401	68.4%
Worcestershire															

Range: 47.2 - 70.8%

Range: 43.9 - 70.5%

UNIT	1121	756	67.4%	0	0	0.0%	303	220	72.6%	438	277	63.2%	380	259	68.2%
Alexandra Hospital	6329	3999	63.2%	1538	1061	69.0%	1658	1010	60.9%	1710	1052	61.5%	1423	876	61.6%
Birmingham Women's Hospital	1496	985	65.8%	124	83	66.9%	569	312	54.8%	547	386	70.6%	256	204	79.7%
City Hospital	1796	1044	58.1%	457	284	62.1%	542	317	58.5%	322	179	55.6%	475	264	55.6%
George Eliot Hospital	1500	892	59.5%	152	85	55.9%	157	101	64.3%	596	370	62.1%	595	336	56.5%
Good Hope Hospital	3309	1663	50.3%	873	500	57.3%	930	485	52.2%	632	198	31.3%	874	480	54.9%
Heartlands Hospital	808	541	67.0%	188	155	82.4%	136	92	67.6%	243	150	61.7%	241	144	59.8%
Hertford Hospital	2691	1481	55.0%	70	39	55.7%	769	399	51.9%	966	531	55.0%	886	512	57.8%
New Cross Hospital	4810	2768	57.5%	1257	725	57.7%	1300	757	58.2%	1257	731	58.2%	996	555	55.7%
North Staffs (UHNS)	2357	1308	55.5%	106	86	81.1%	850	544	64.0%	750	404	53.9%	651	274	42.1%
Queens Burton & Samuel Johnson	3795	2294	60.4%	776	523	67.4%	1034	670	64.8%	1016	575	56.6%	969	526	54.3%
Russells Hall Hospital	2033	829	40.8%	480	208	43.3%	582	192	33.0%	499	222	44.5%	472	207	43.9%
Sandwell Hospital	1805	1230	68.1%	167	125	74.9%	101	64	63.4%	687	469	68.3%	850	572	67.3%
Shrewsbury Hospital & MLUs	1075	642	59.7%	28	13	46.4%	221	120	54.3%	368	226	61.4%	458	283	61.8%
Solihull Hospital	2066	1159	56.1%	512	293	57.2%	551	323	58.6%	518	285	55.0%	485	258	53.2%
Stafford Hospital	3116	1450	46.5%	789	395	50.1%	844	421	49.9%	789	331	42.0%	694	303	43.7%
Walsall Manor Hospital	1068	594	55.6%	0	0	0.0%	17	12	70.6%	240	125	52.1%	811	457	56.4%
Walsgrave Hospital (UHCW)	1717	1353	78.8%	0	0	0.0%	523	414	79.2%	614	490	79.8%	580	449	77.4%
Warwick Hospital	1695	1182	69.7%	0	0	0.0%	748	509	68.0%	750	541	72.1%	197	132	67.0%
Worcestershire Royal Hospital															

Range: 40.8 - 78.8%

Range: 42.1 - 79.7%

British Europeans	29004	15817	54.5%	5150	2915	56.6%	7227	3994	55.3%	8564	4656	54.4%	8063	4252	52.7%
Teenagers (< 18 at Delivery)	859	264	30.7%	158	42	26.6%	210	73	34.8%	250	79	31.6%	241	70	29.0%

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

here is wide variation in breastfeeding initiation rates around the region.

Target in terms of yearly increase will be reported on next year, with current year used as a baseline

Additional comments

Further analyses will be reported on shortly including analysis of breastfeeding rates within subgroups.