

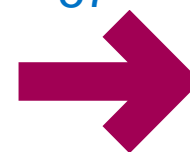
**Saving Babies' Lives –  
a Care Bundle for  
reducing stillbirths  
and early neonatal  
deaths.**

**Analysis of provider  
responses of the Care Bundle  
survey**

June 2017

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# The Saving Babies' Lives Care Bundle

**In England, the most recent stillbirth rate recorded was 4.4 per 1,000 total births in 2015, this is down from 4.6 in 2014. There has been a general downward trend in the stillbirth rate since 2005 with a decrease of 18.5% over the last 10 years**

**Despite this, England has higher neonatal mortality and stillbirth rates than many other high income countries. There is also a wide variation in stillbirth rates between different regions' across England.**

There is a need to both reduce the stillbirth rate overall, in line with our European neighbours, and to close the gap between regions at a national level. NHS England has brought together a care bundle of elements intended to significantly impact on stillbirth rates through:

1. Reducing Smoking In Pregnancy
2. Detecting Fetal Growth Restriction
3. Raising Awareness Of Reduced Fetal Movement
4. Improving Effective Fetal Monitoring During Labour

The Saving Babies' Lives Care Bundle is now in its 'early implementer' stage where a number of NHS Providers keen to make rapid improvements are fully engaged in implementing the intervention activities across all elements.

# Care Bundle Tracker Survey

- The purpose of this survey is to provide a broad estimate of the level of engagement of NHS Providers in activities associated with each element in the care bundle.
- By comparing the results of each survey over time we can monitor the level of implementation of the care bundle and assess which areas are in need of further engagement and potential improvement.
- The results presented in the following slides provide the most up to date picture of the care bundle and the extent to which maternity providers are implementing relevant improvement activities to reduce the number of stillbirths and neonatal deaths.
- Some caution is necessary in interpreting the results of the survey. For example, a different cohort of providers respond each time the survey is conducted. This means that while time series comparisons provide a broad estimate of the direction of travel, they should not be used as a precise measure of change from one survey period to another. Please see the Data Caveats slide (Slide 56) for further caveats around interpretation of the survey results.

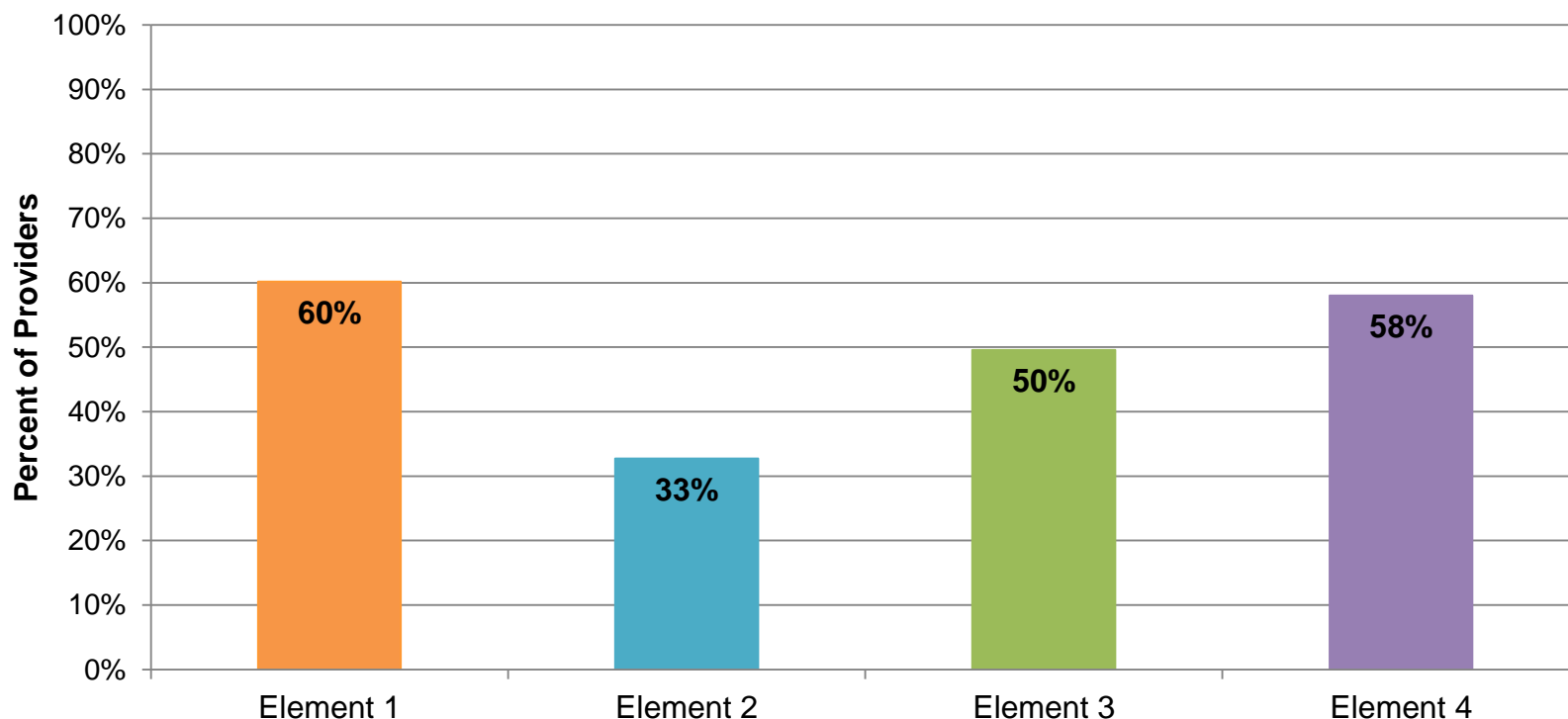
# National Results Summary

**These are the key national results for the 7th survey representing all responses returned between July and August 2017.**

- 113 providers responded to the survey – this represents 83% of all NHS maternity providers in England.
- 96% of responding providers are carrying out improvement activities across all 4 elements.
- 98% of responding providers are implementing improvement activities associated with element 1, 97% for element 2 and 100% for element 3 and 4.
- More providers have fully implemented each element of the care bundle (i.e. 100%) since the previous survey.
- 12% (14) of responding providers are implementing all 4 elements of the Care Bundle at 100%, compared to 8% for survey 6.
- 12% of responding providers are not implementing any of the elements at 100%. For this survey period 88% of responding providers are carrying out at least one improvement activity associated with the Care Bundle at 100%, for at least one element.
- *“Activity 10: a checklist to manage the care of pregnant woman who report reduced fetal movement” (element 3) is the activity that is implemented the least with 21% of responding providers not carrying out this activity at all.*

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

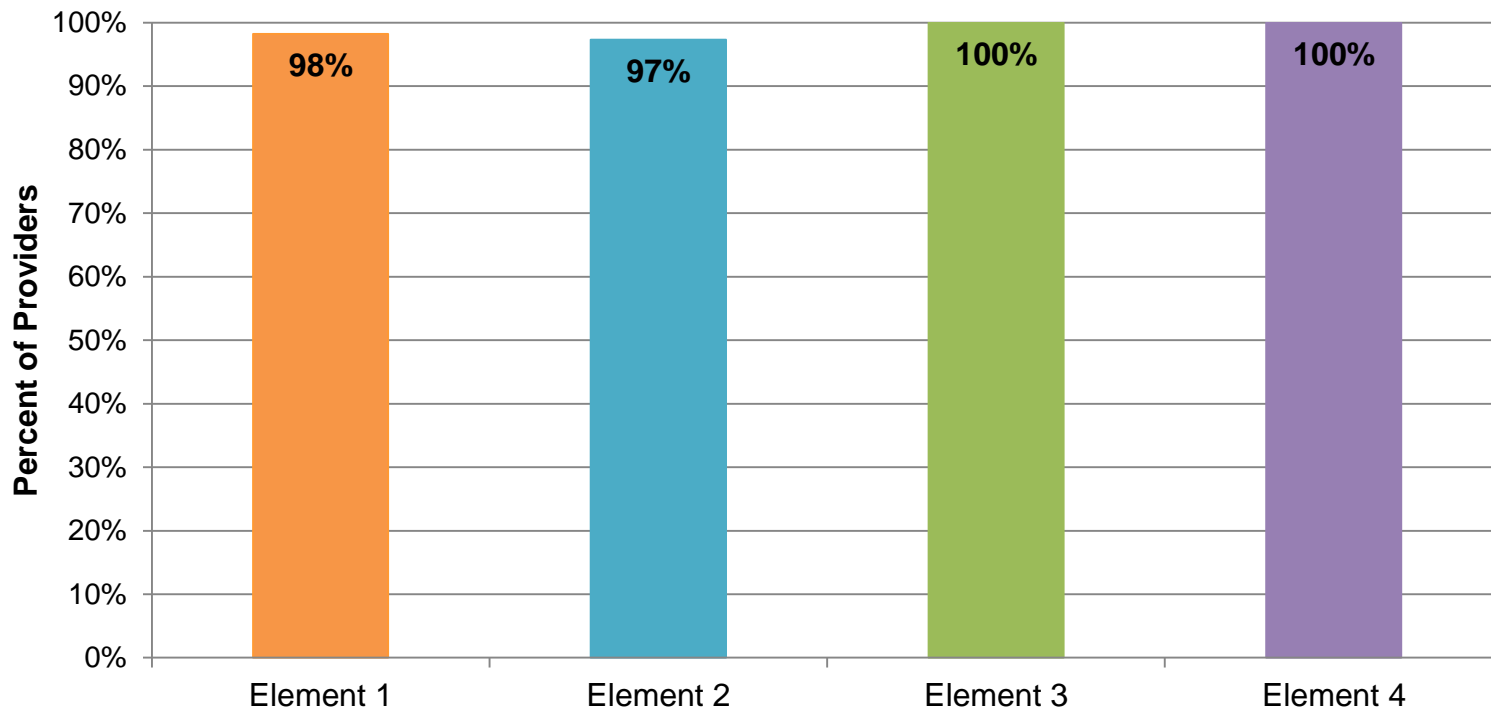
# More providers are fully implementing element 1 and element 4 of the care bundle



Survey responses from survey 7 show that a greater percentage of responding providers are implementing element 1 and element 4 of the Care Bundle at 100%. However, the percentage of responding providers fully implementing element 2 has increased by 9 percentage points since the previous.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 100% of providers are implementing improvement activities associated with element 3 and element 4.



The results from survey 7 show that 88% of responding providers are implementing improvement activities associated with at least one of the elements. Providers who are not currently implementing improvement activities reported that they plan to do so (ranging from no fixed date or within at least 12 months)

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 12% of providers are now fully implementing all elements of the Care Bundle; 12% are not fully implementing any of the elements

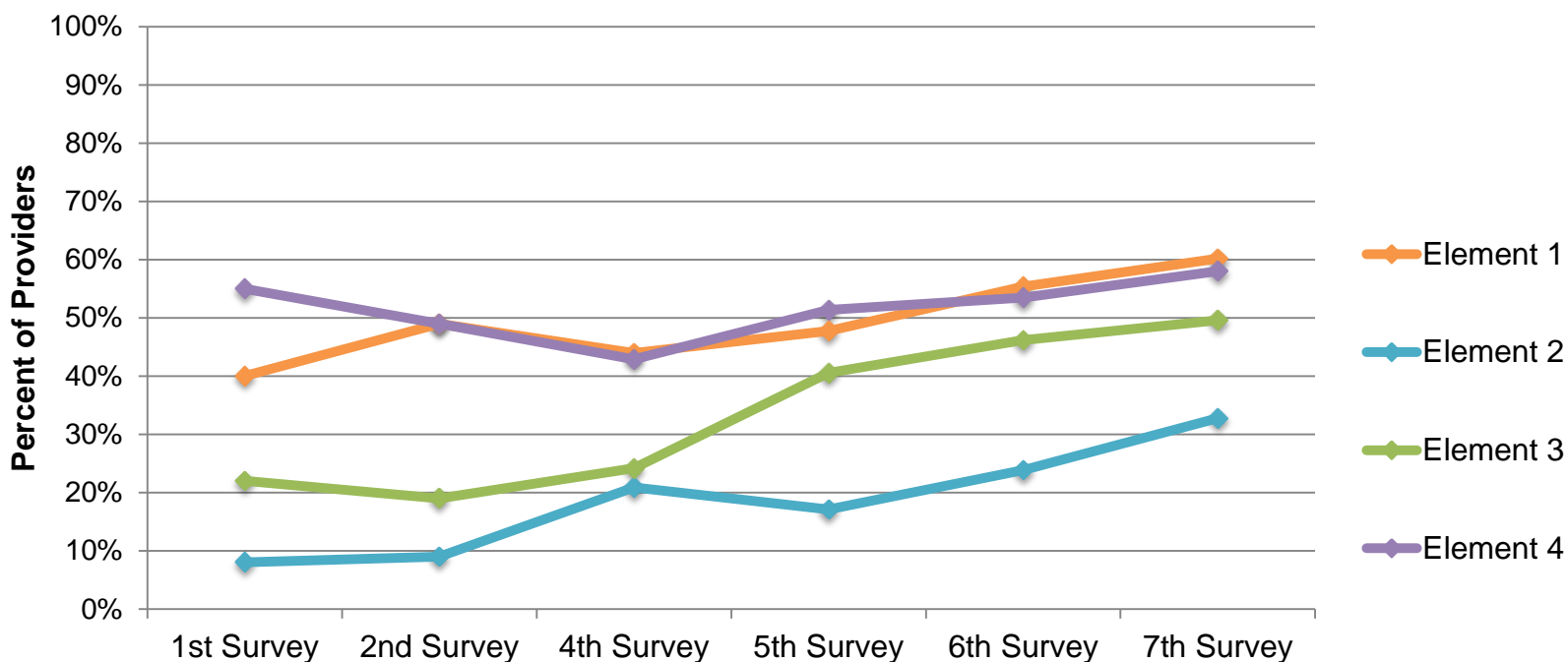
	Percentage of providers carrying out element at 100%	Percentage of providers carrying out 0% of element
Element 1: Smoking in pregnancy	60%	1%
Element 2: Detecting FGR	33%	3%
Element 3: Reduced fetal movement	50%	0%
Element 4: CTG monitoring	58%	0%
<b>All elements</b>	<b>12%</b>	<b>0%</b>
<b>No elements</b>	<b>12%</b>	<b>100%</b>

- 96% of providers who responded to the survey are carrying out improvement activities across all elements of the Care Bundle.
- All responding providers are carrying out some activity associated with elements 3 and 4.
- 1% of providers reported not carrying out any activities associated with element 1 and 3% for element 2.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*



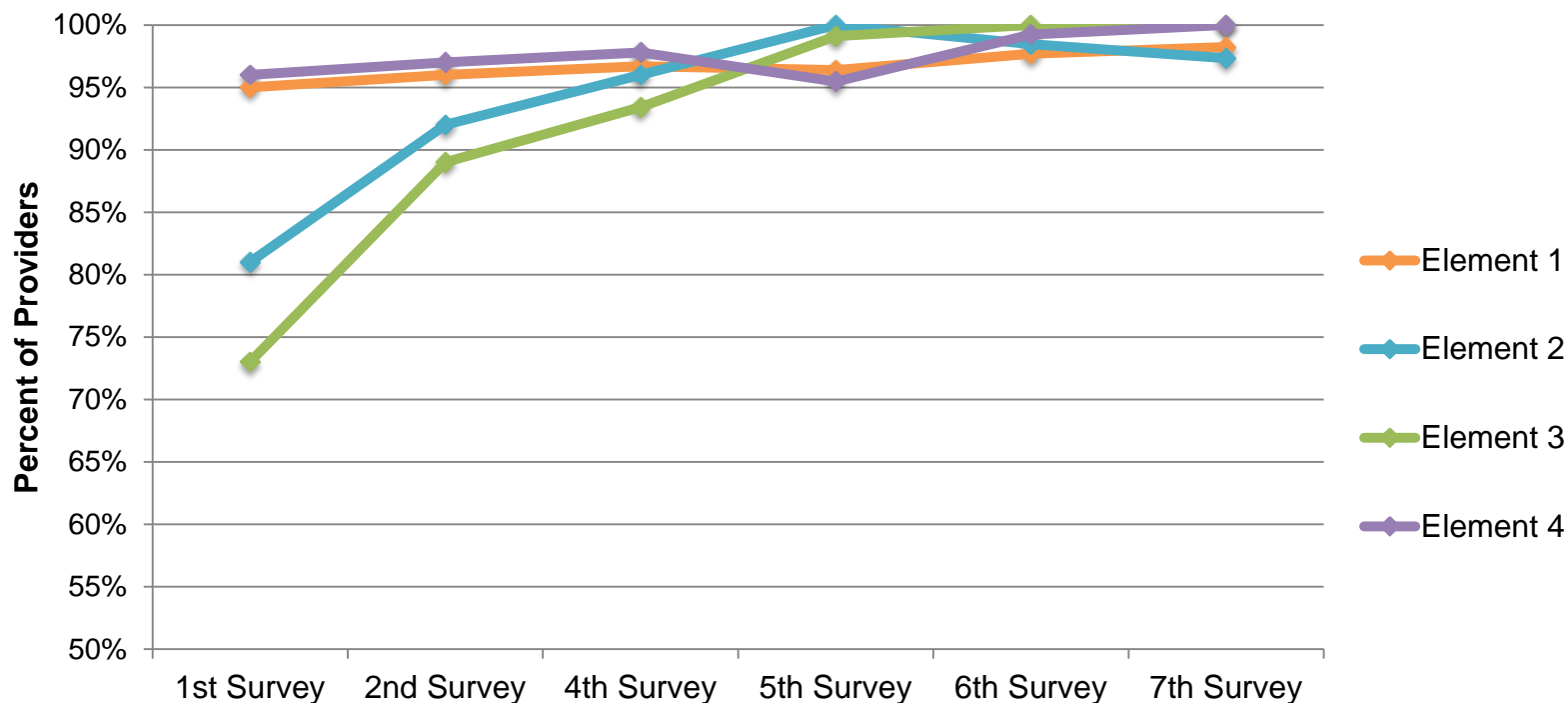
# Element 3 has seen the biggest % increase in providers at 100% implementation since the first survey



The percentage of responding providers implementing all elements at 100% has increased since the first survey. Element 2 has the lowest % of responding providers with 100% implementation at 33% but has increased by 25 percentage points overall since the 1st survey.

*The 3rd survey results were not included as caution is needed in regards to the low response rate from providers (67 responses). Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# Elements 2 and 3 have seen the biggest % increase in providers carrying out improvement activities since the first survey



The majority of responding providers are carrying out improvement activities for all elements of the care bundle. Element 3 has seen the biggest % increase in providers carrying out improvement activities, a 27 percentage point increase since the 1st survey.

The 3<sup>rd</sup> survey results were not included as caution is needed in regards to the low response rate from providers (67 responses). Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.

**Providers ‘referring mothers to stop smoking services’ and implementing ‘ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates’ at 100% has increased by 10 percentage points since the previous survey.**

Providers carrying out improvement activities at 100%					
Element	Activity No.	Improvement Activity	6 <sup>th</sup> Survey	7 <sup>th</sup> Survey	+/- (pp)
1	1	Carrying out carbon monoxide (CO) testing of all pregnant women at antenatal booking appointment.	64%	63%	-1%
1	2	Referring expectant mothers, as appropriate, to a stop smoking service/specialist, based on an opt out system.	73%	83%	10%
2	3	Use of antenatal growth charts for all pregnant women by clinicians who have gained competence in their use.	76%	79%	3%
2	4	Use of a growth chart to aid decision making on classification of risk of fetal growth restriction.	82%	86%	4%
2	5	Screening and monitoring all pregnancies based on the assessment of risk.	75%	78%	3%
2	6	Ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates.	46%	56%	10%
2	7	Ongoing case-note audits of selected cases not detected antenatally, to identify barriers.	44%	46%	2%
3	8	Providing pregnant mothers with information and an advice leaflet on reduced fetal movement.	93%	90%	-3%
3	9	Giving pregnant mothers RFM information by 24 weeks of pregnancy at the latest and discussed at every subsequent contact.	88%	88%	0%
3	10	Use of a checklist to manage the care of pregnant woman who report reduced fetal movement.	51%	59%	9%
4	11	Ensuring that all staff who care for women in labour undertake an annual training and competency assessment on CTG interpretation/ intermittent auscultation.	68%	72%	4%
4	12	Use of a fresh eyes/buddy system to review CTG interpretation/ intermittent auscultation.	79%	79%	0%
4	13	A protocol for escalation if concerns are raised.	86%	93%	7%

# Since the last survey the percentage of responding providers not carrying out improvement activities associated with all elements has decreased or remained stable

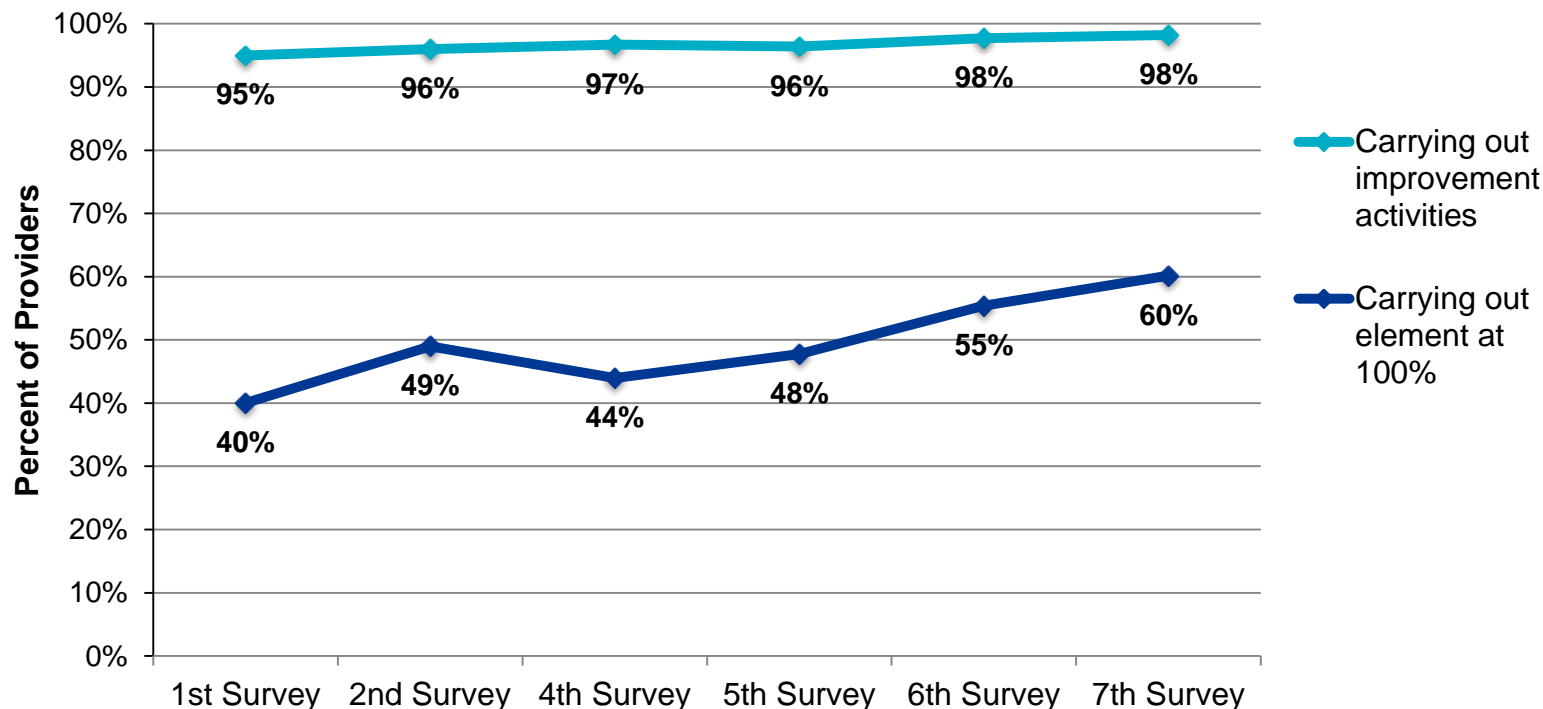
Providers not carrying out improvement activities					
Element	Activity No.	Improvement Activity	6th Survey	7th Survey	+/- (pp)
1	1	Carrying out carbon monoxide (CO) testing of all pregnant women at antenatal booking appointment.	5%	1%	-4%
1	2	Referring expectant mothers, as appropriate, to a stop smoking service/specialist, based on an opt out system.	6%	4%	-3%
2	3	Use of antenatal growth charts for all pregnant women by clinicians who have gained competence in their use.	15%	12%	-3%
2	4	Use of a growth chart to aid decision making on classification of risk of fetal growth restriction.	8%	7%	-1%
2	5	Screening and monitoring all pregnancies based on the assessment of risk.	2%	1%	-1%
2	6	Ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates.	16%	10%	-6%
2	7	Ongoing case-note audits of selected cases not detected antenatally, to identify barriers.	22%	12%	-9%
3	8	Providing pregnant mothers with information and an advice leaflet on reduced fetal movement.	1%	0%	-1%
3	9	Giving pregnant mothers RFM information by 24 weeks of pregnancy at the latest and discussed at every subsequent contact.	2%	1%	-1%
3	10	Use of a checklist to manage the care of pregnant woman who report reduced fetal movement.	30%	21%	-9%
4	11	Ensuring that all staff who care for women in labour undertake an annual training and competency assessment on CTG interpretation/ intermittent auscultation.	5%	4%	0%
4	12	Use of a fresh eyes/buddy system to review CTG interpretation/ intermittent auscultation.	2%	3%	0%
4	13	A protocol for escalation if concerns are raised.	2%	0%	-2%

# Element 1: Reducing smoking in pregnancy

Are you carrying out any improvement activity designed to reduce smoking in pregnancy?



# The proportion of responding providers carrying out improvement activities to reduce smoking in pregnancy has continued to increase

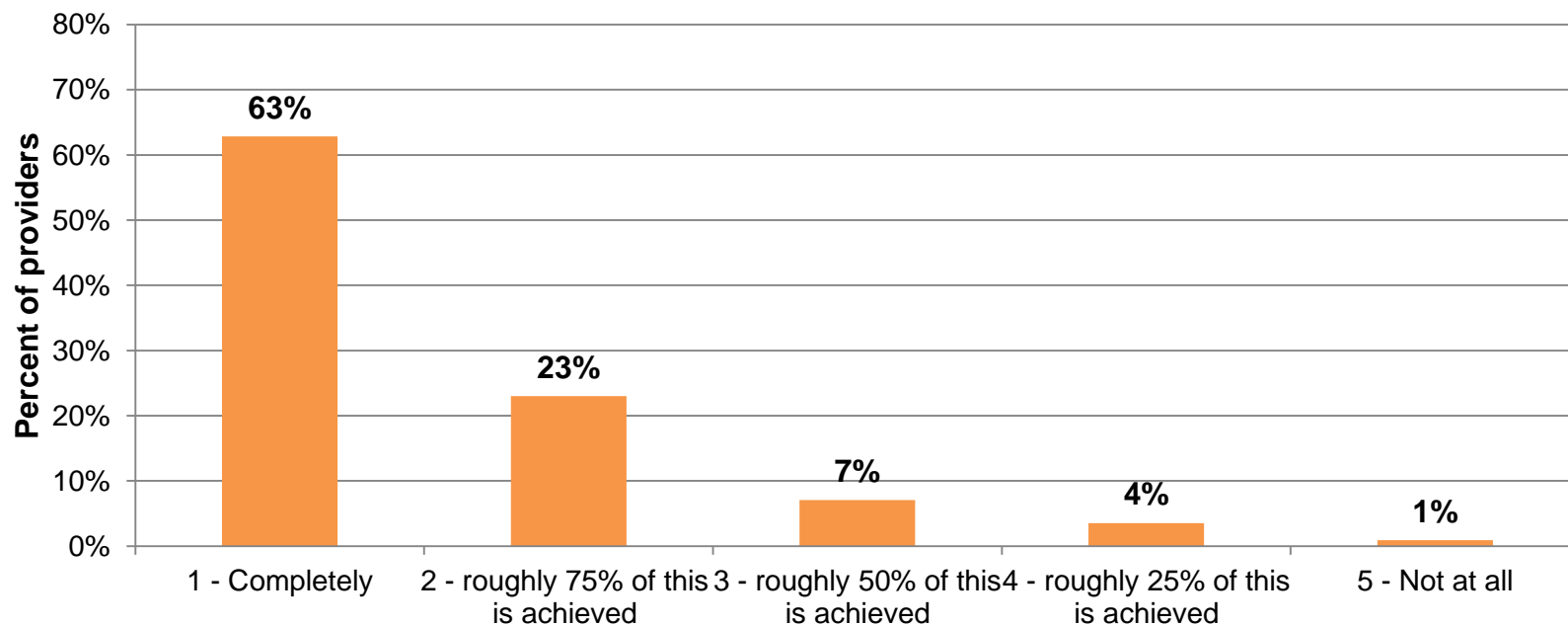


- 60% of responding providers are carrying out improvement activities associated with element 1 of the Care Bundle at 100%. This represents a 5 percentage point increase since the 6th survey (55%).
- One responding provider answered “no” to carrying out improvement activities.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 63% of responding providers are implementing this activity completely

**Activity 1: Carrying out carbon monoxide (CO) testing of all pregnant women at antenatal booking appointment**

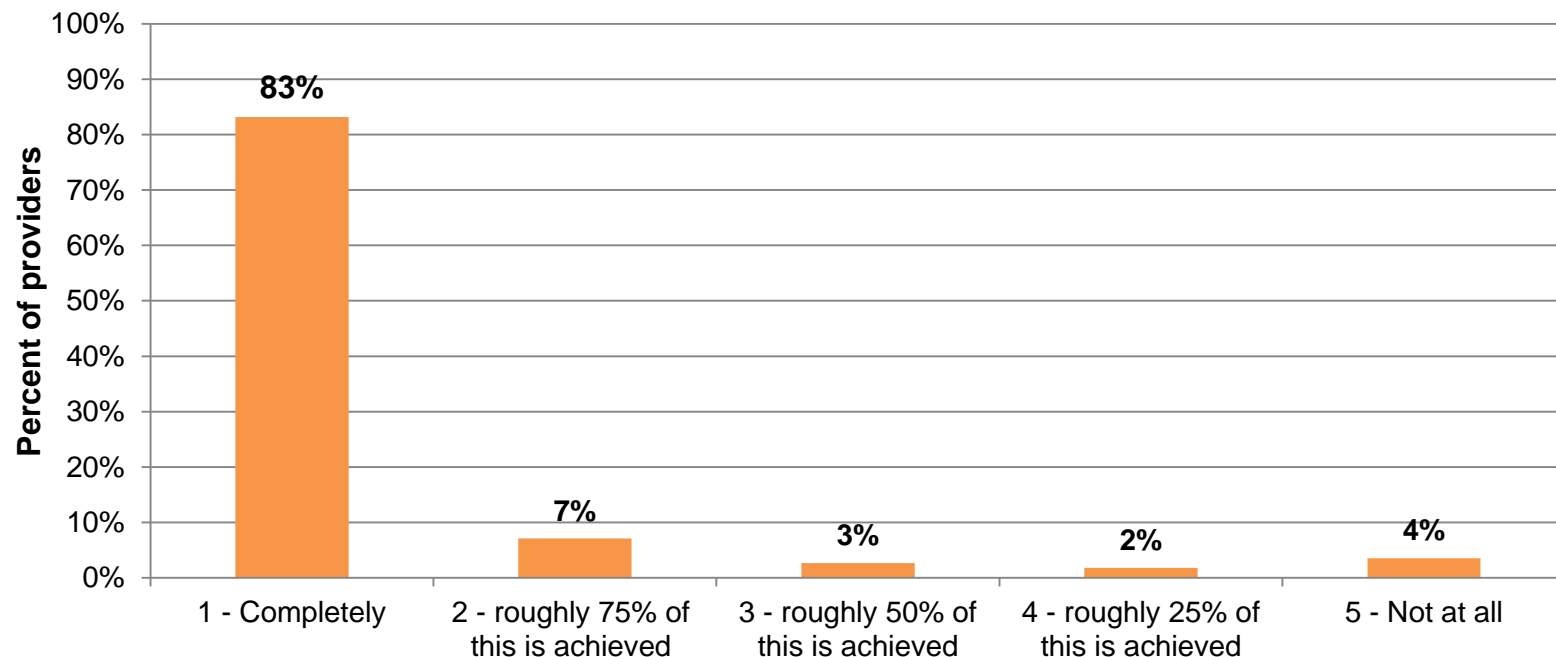


- 96% of responding providers reported that they are implementing this activity to some extent. The majority of these providers are implementing this activity at '75% or more'.
- 1% of responding providers reported that they are not currently implementing CO testing at all. This has decreased by 4 percentage points since the previous survey (5%).

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*

# 83% of responding providers are implementing this activity completely

## *Activity 2: Referring expectant mothers, as appropriate, to a stop smoking service/specialist, based on an opt out system*



- Overall, 95% of responding providers are implementing this activity to some extent.
- 4% of responding providers reported that they are not carrying out this activity at all. This has decreased by 2 percentage points since the previous survey (6%).

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

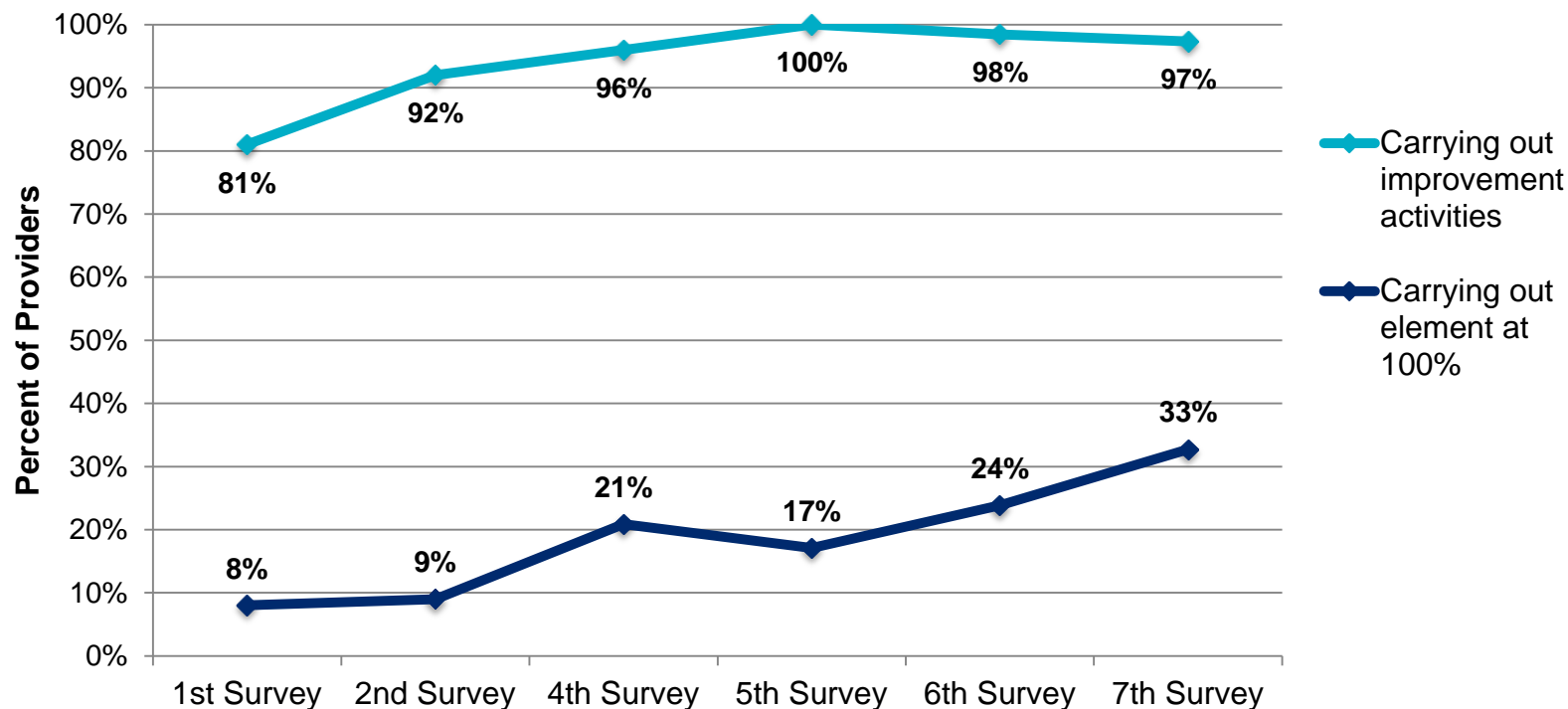


## Element 2: Detecting Fetal Growth Restriction

Are you carrying out any improvement activity designed to detect Fetal Growth Restriction?



# The proportion of responding providers carrying out improvement activities to detect fetal growth restriction has continued to increase

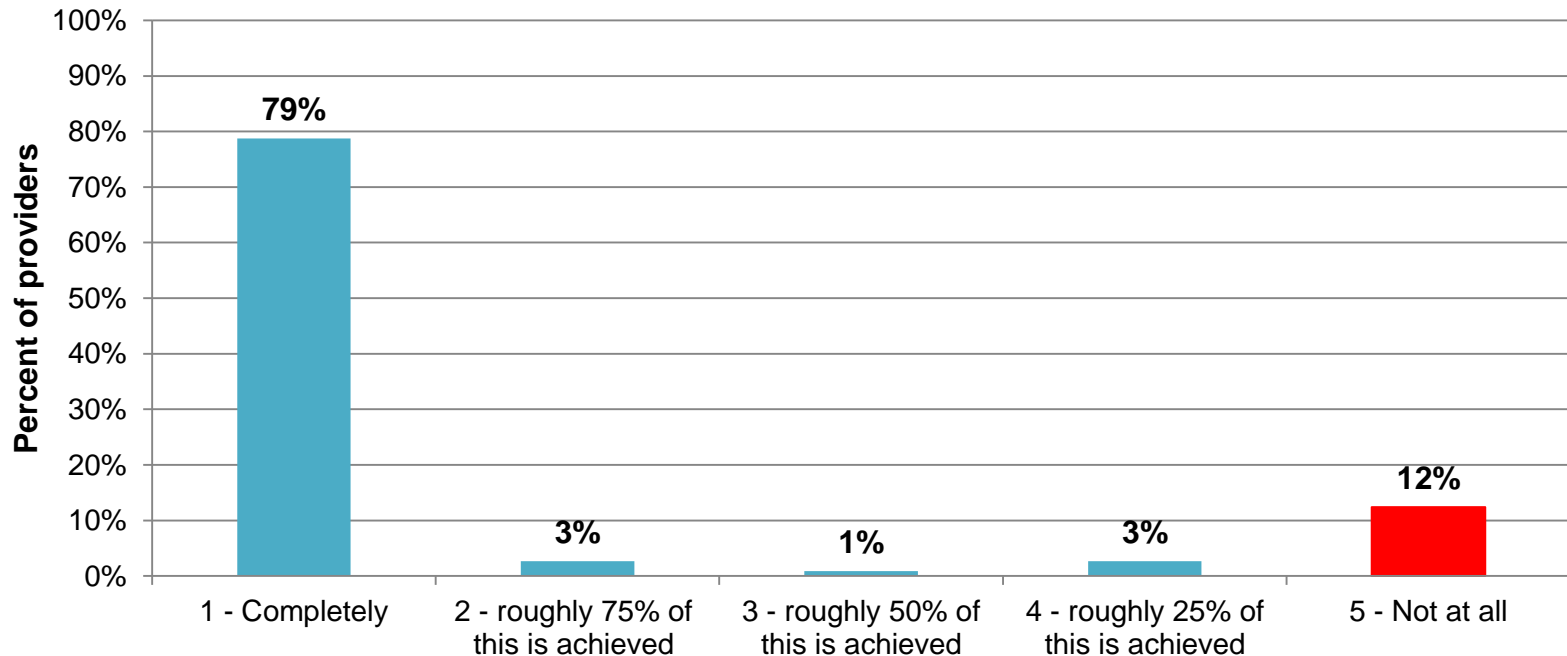


- 33% of responding providers are carrying out improvement activities associated with element 2 of the Care Bundle at 100%. This represents a 9 percentage point increase in providers who are fully implementing the element since the 6th survey (24%).
- Three responding providers answered “no” to carrying out improvement activities.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*

# 79% of responding providers are implementing this activity completely, and 12% are not implementing this activity at all

## Activity 3: Use of customised antenatal growth charts for all pregnant women by clinicians who have gained competence in their use

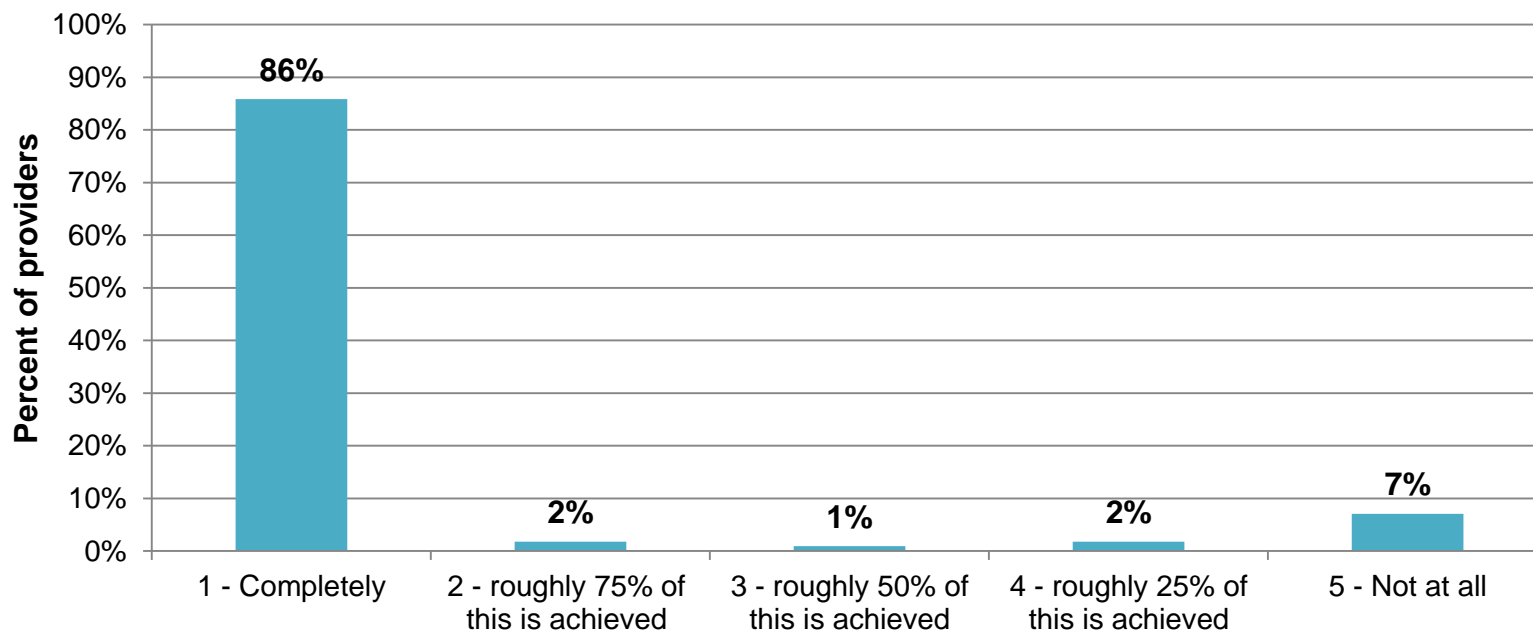


- Overall, 85% of responding providers are implementing this activity to some extent.
- 79% of responding providers are currently using customised or standardised growth charts for all pregnant women. This is a 3 percentage point increase compared to the previous survey (76%).

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 86% of responding providers are implementing this activity completely

**Activity 4: Use of a growth chart to aid decision making on classification of risk of fetal growth restriction**

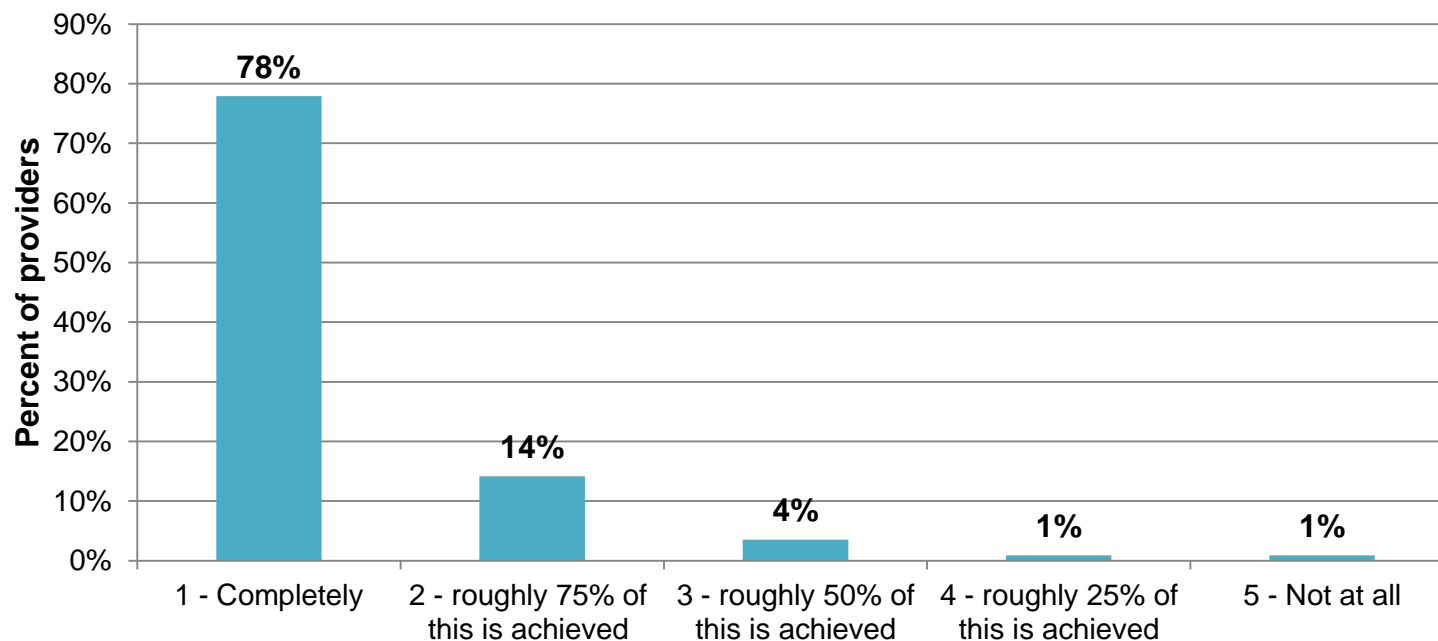


- This activity has the highest % of responding providers implementing ‘completely’ out of all the activities associated with element 2 (as was evident in the previous survey).
- 7% of responding providers answered ‘not at all’ to carrying out this improvement activity, compared to the 6th survey where 8% of responding providers answered ‘not at all’.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 78% of responding providers are implementing this activity completely

## *Activity 5: Screening and monitoring all pregnancies based on the assessment of risk?*

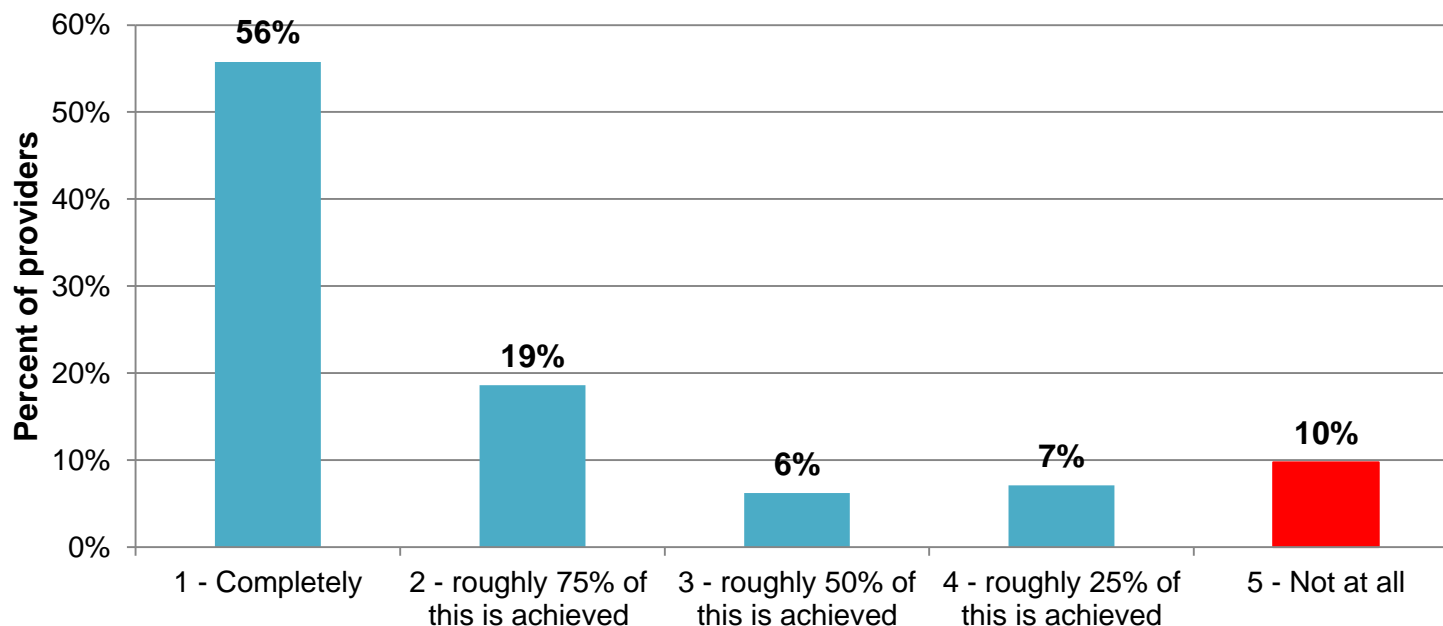


- 96% of responding providers are currently screening and monitoring all pregnancies based on the assessment of risk at some level.
- 78% of responding providers reported that they are carrying out this activity ‘completely’, which is a 3 percentage point increase since the previous survey (75%).

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 10% of responding providers reported that they are not carrying out this activity at all

**Activity 6: Ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates**

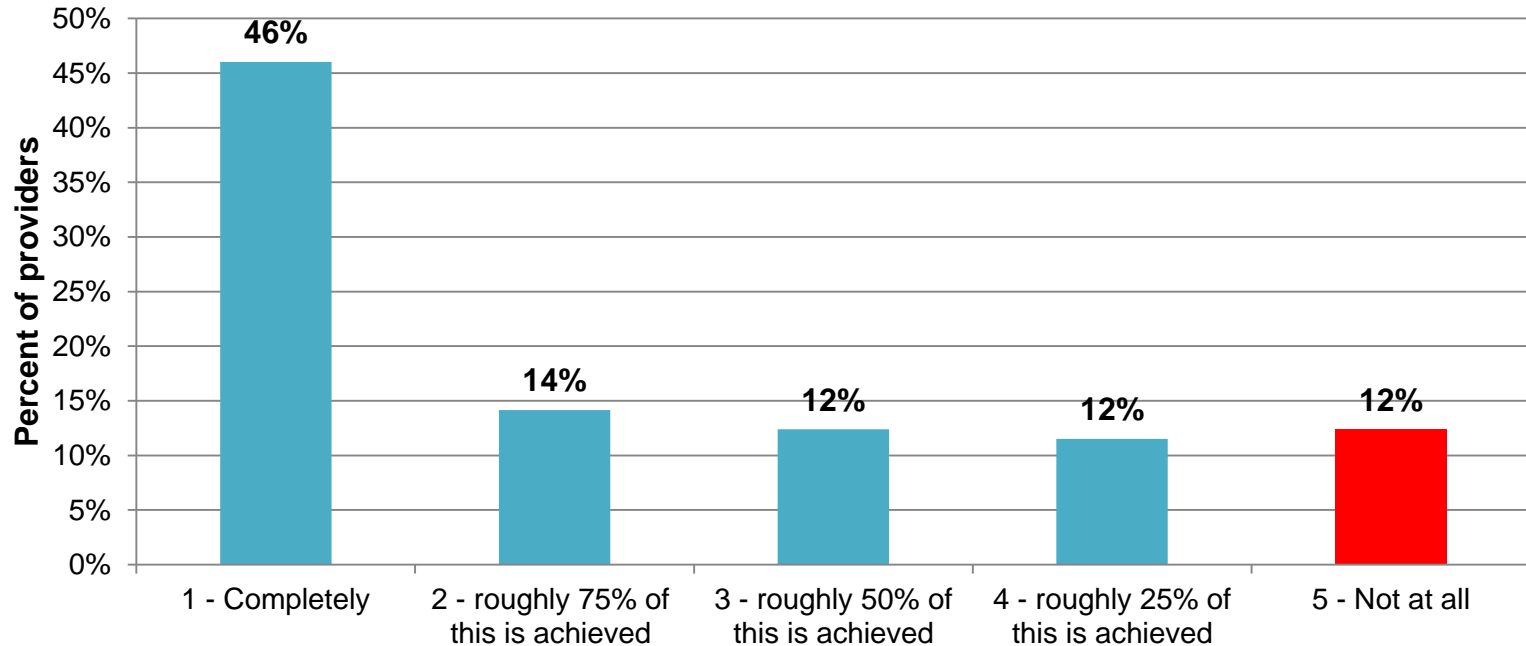


- 88% of responding providers are currently carrying out this improvement activity at some level.
- 10% of responding providers reported that they are not carrying out auditing for SGA rates and antenatal detection rates at all. Compared to 16% of responding providers for the previous survey.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 12% of responding providers reported that they are not carrying out this activity at all

## **Activity 7: Ongoing case-note audits of selected cases not detected antenatally, to identify barriers**



- While the % of responding of providers carrying out this activity at 100% has increased from 44% in the 6th survey to 46%; this activity has the lowest % of providers 'completely' implementing this activity.
- 12% of providers responded with 'not at all', a decrease of 10 percentage points since the last survey.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*  
[www.england.nhs.uk](http://www.england.nhs.uk)

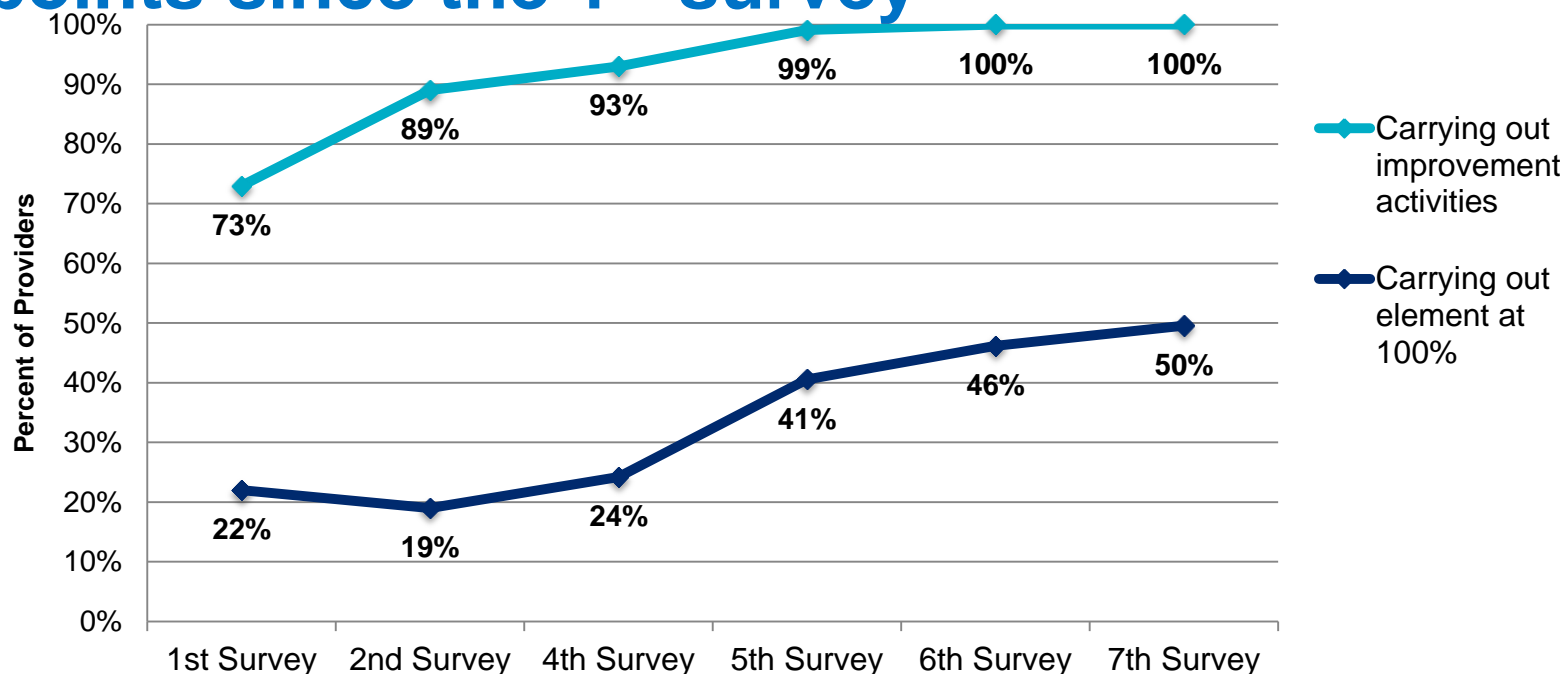
## Element 3: Raising Awareness Of Reduced Fetal Movement

Are you carrying out any improvement activity designed to raise awareness among pregnant women of the importance of Reduced Fetal Movement (RFM)?





# The proportion of responding providers carrying out improvement activities for element 3 has increased by 28 percentage points since the 1<sup>st</sup> survey

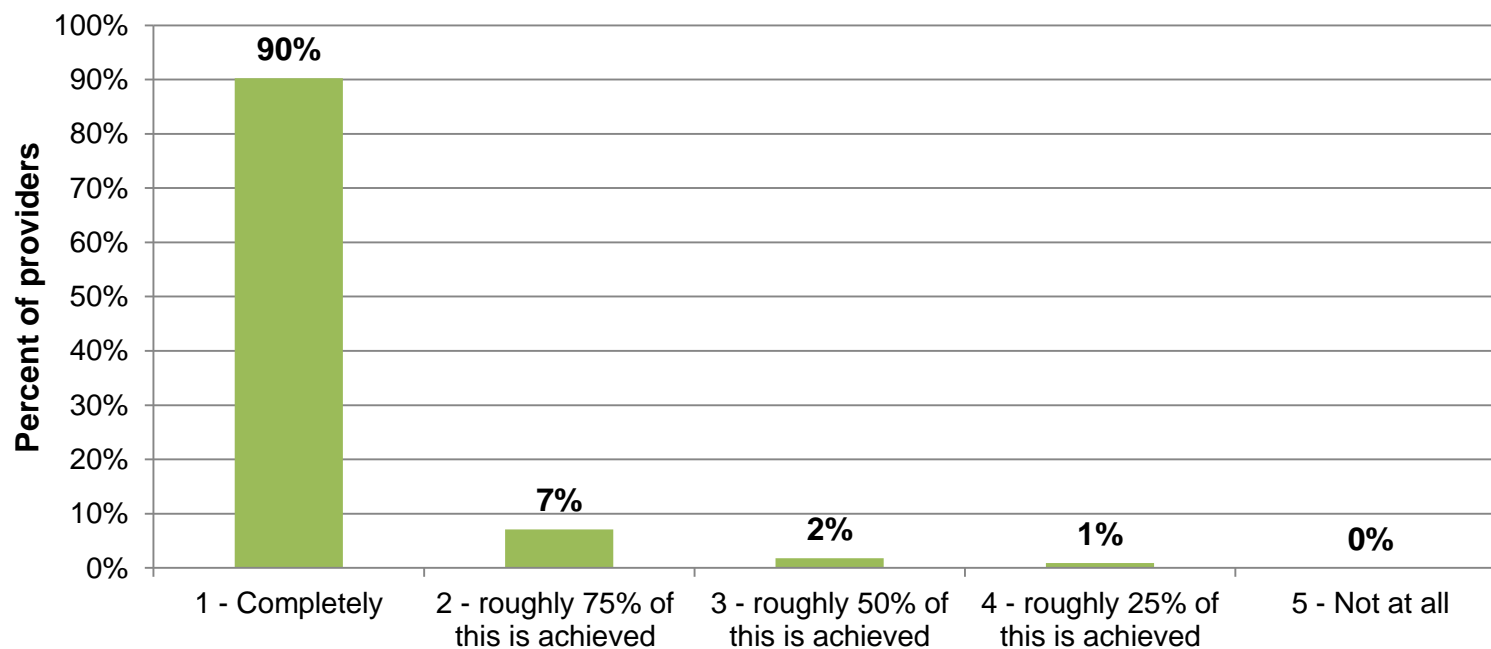


- All 113 responding providers are carrying out improvement activities to raise awareness of RFM.
- 50% of responding providers are doing so at 100% in accordance with the Care Bundle, which is an increase of 4 percentage points since the previous survey (46%).

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*

# 90% of responding providers are implementing this activity completely

**Activity 8: Providing pregnant mothers with information and an advice leaflet on reduced fetal movement**

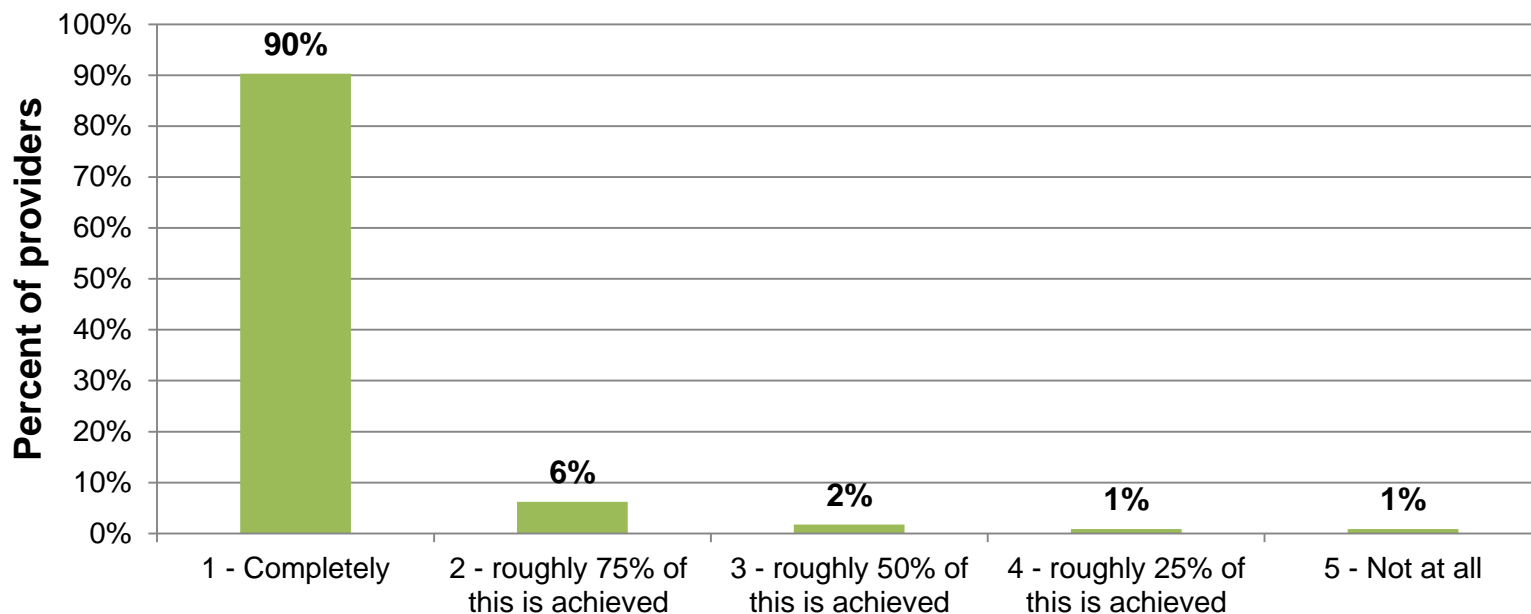


- 90% of responding providers reported carrying out this activity completely, a 3 percentage point decrease since the 6th survey (93%). However all responding providers are now carrying out this activity to some extent.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 90% of responding providers are implementing this activity completely

**Activity 9a: Giving pregnant mothers RFM information by 24 weeks of pregnancy at the latest?**

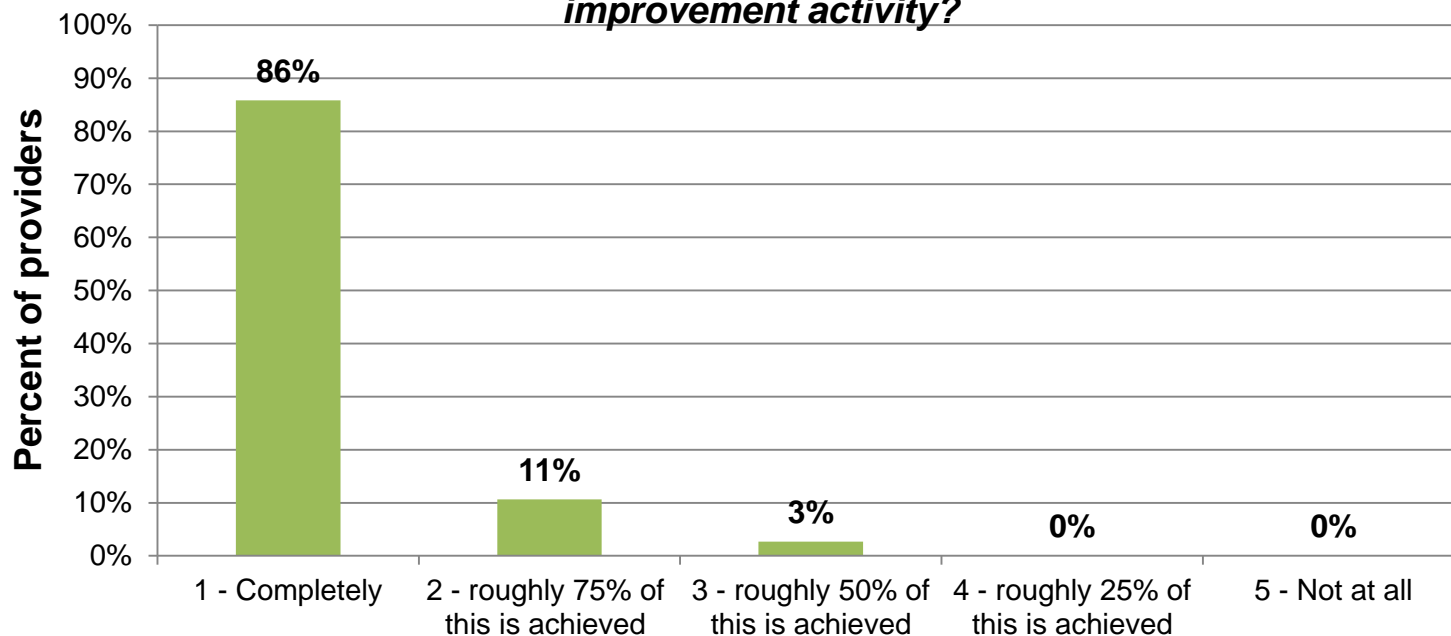


- 90% of responding providers are implementing this activity at 100%, which has increased from 88% of responding providers in the previous survey. While 99% of responding providers are implementing to some extent.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 86% of responding providers are implementing this activity completely

**Activity 9b: Discussing RFM with pregnant mothers at every subsequent contact? If so to what extent have you implemented this improvement activity?**

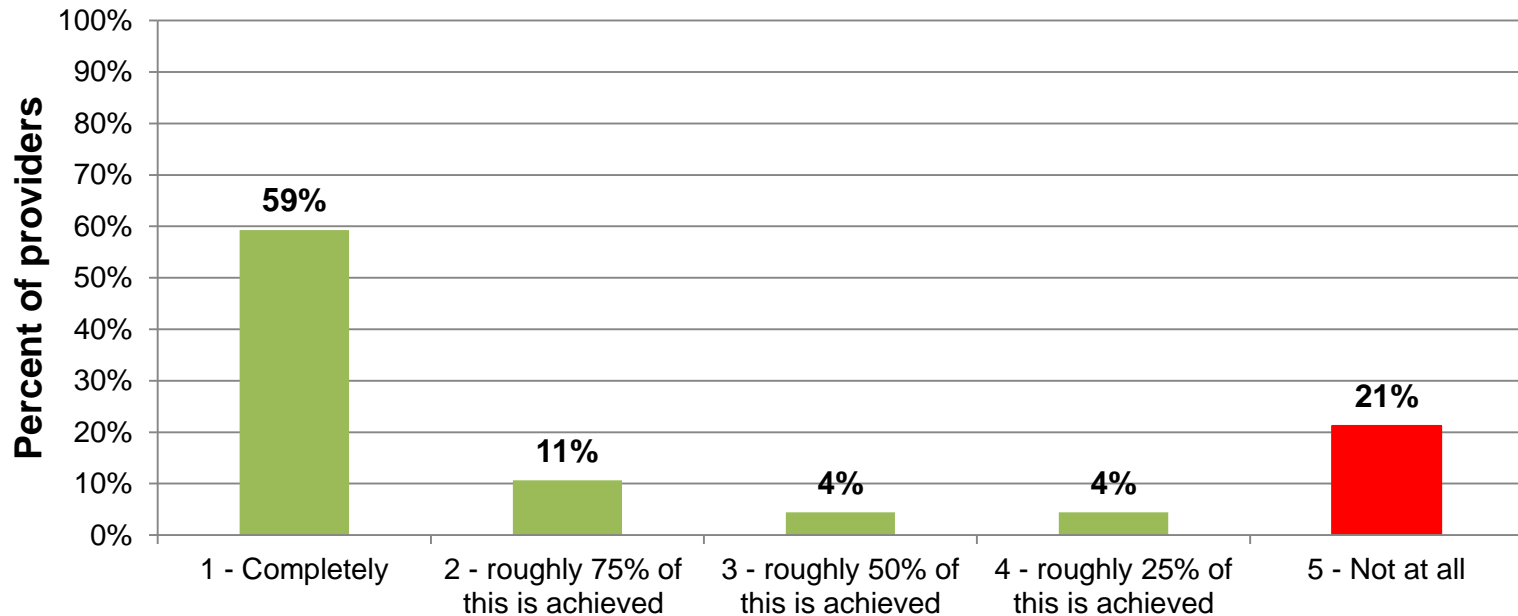


- 86% of responding providers are implementing this activity at 100%, which has increased from 80% in the previous survey.
- All responding providers are implementing some level of activity for this activity.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# 59% of responding providers are implementing this activity completely, and 21% are not carrying out this activity at all

## *Activity 10: Use of a checklist to manage the care of pregnant woman who report reduced fetal movement*



- 79% of responding providers are currently carrying out this improvement activity at some level.
- This activity has the highest percentage of responding providers stating “Not at all” for any activity across all elements. However, this has decreased from 30% in the 6th survey to 21%.

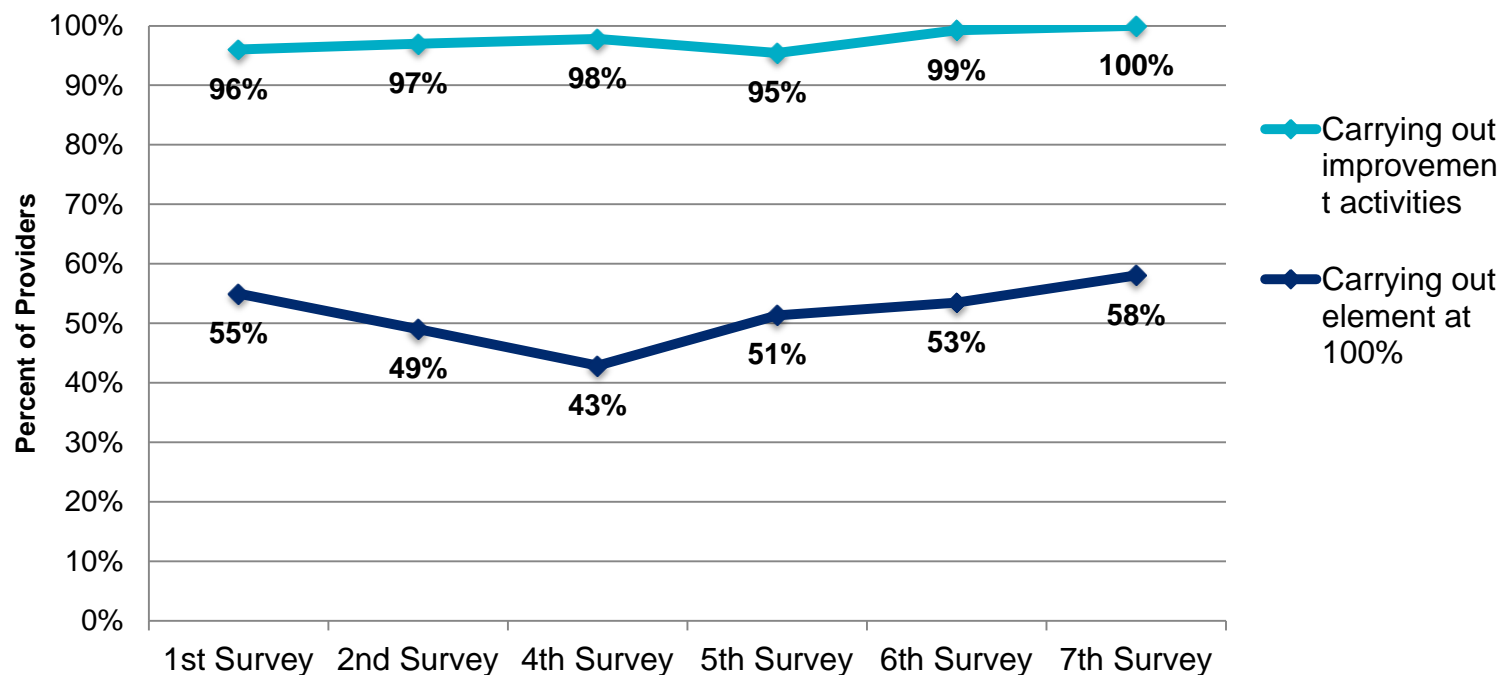
*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces the ability to compare national results across surveys.*

# Element 4: Effective Fetal Monitoring During Labour

Are you carrying out any improvement activity designed to carry out effective fetal monitoring during labour?



# 100% of responding providers are carrying out activities to increase the effectiveness of fetal monitoring during labour

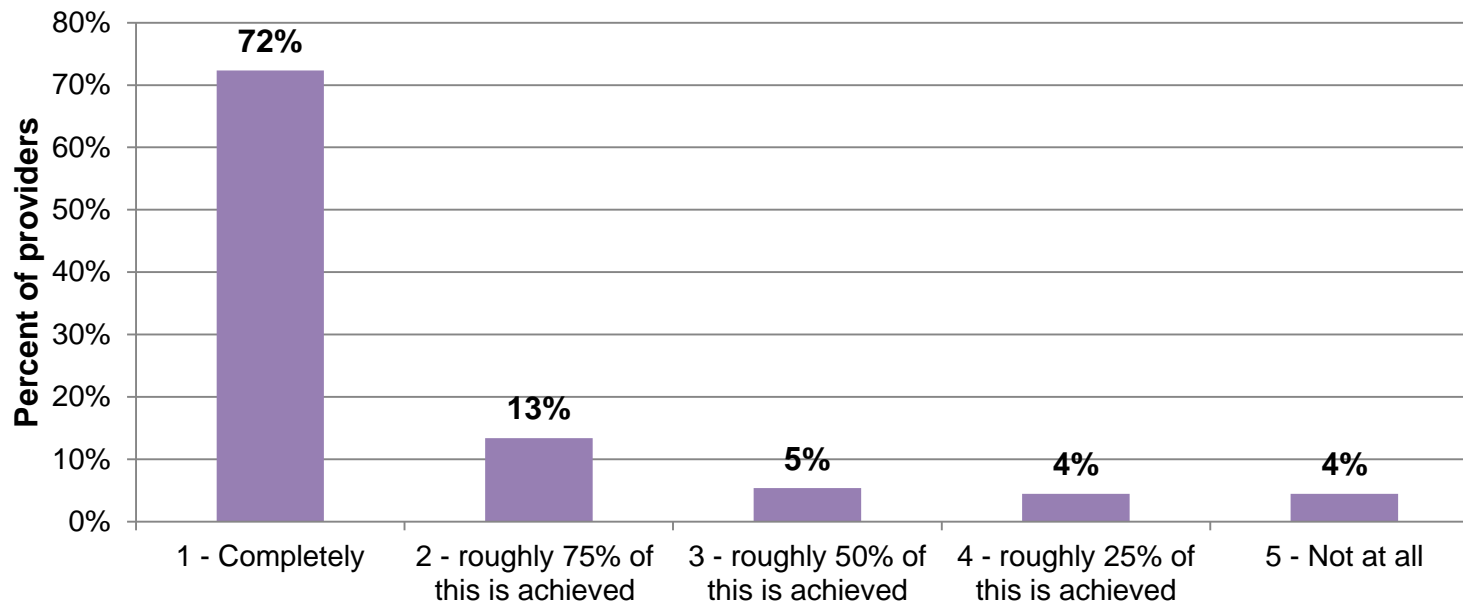


- All 113 responding providers are carrying out improvement activities to increase the effectiveness of fetal monitoring during labour
- 58% of responding providers are doing so at 100% in accordance with the Care Bundle, which is a 5 percentage point increase since the previous survey.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*

# 72% of responding providers are implementing this activity completely

**Activity 11: Ensuring that all staff who care for women in labour undertake an annual training and competency assessment on CTG interpretation/ intermittent auscultation**



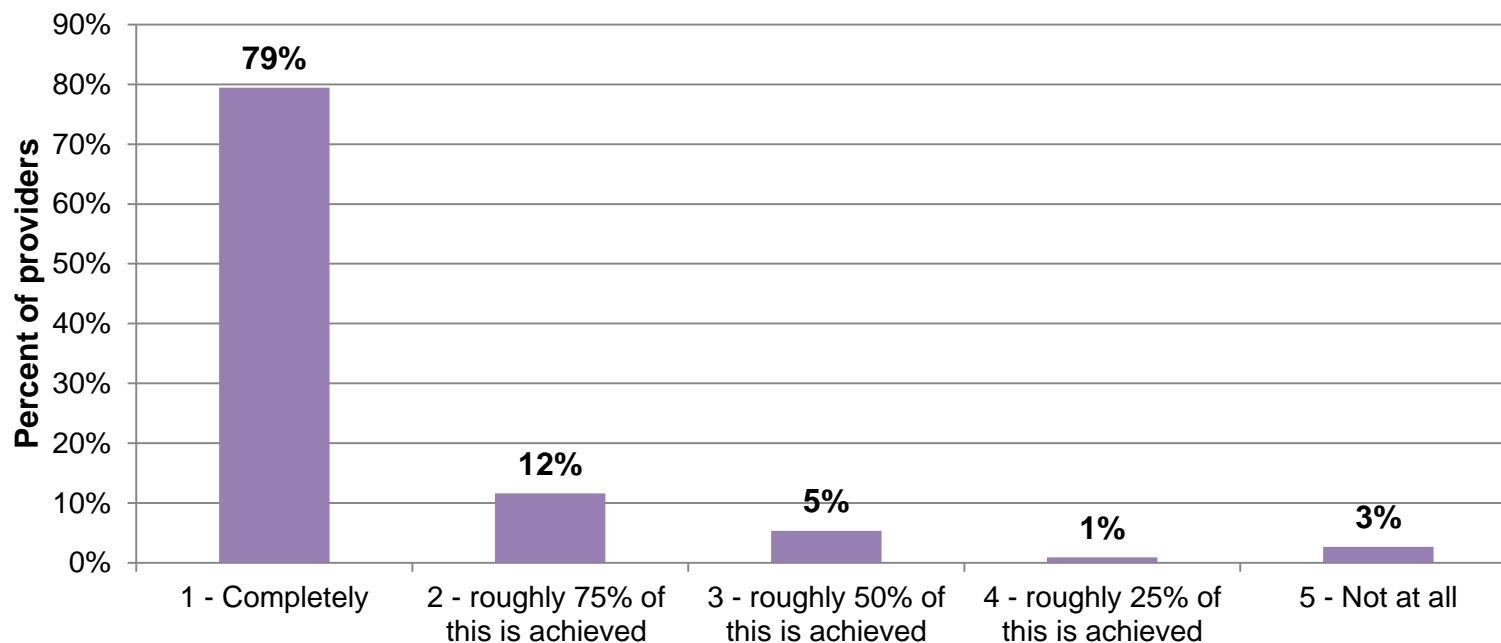
- 96% of responding providers are currently carrying out this improvement activity at some level.
- The percentage of responding providers carrying out this activity at 100% has increased since the 6th survey where 68% of responding providers reported carrying out this activity at 100%. However, this activity has the lowest % of providers 'completely' implementing this activity for element 4.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*



# 79% of responding providers are implementing this activity completely

**Activity 12: Use of a fresh eyes/buddy system to review CTG interpretation/ intermittent auscultation**

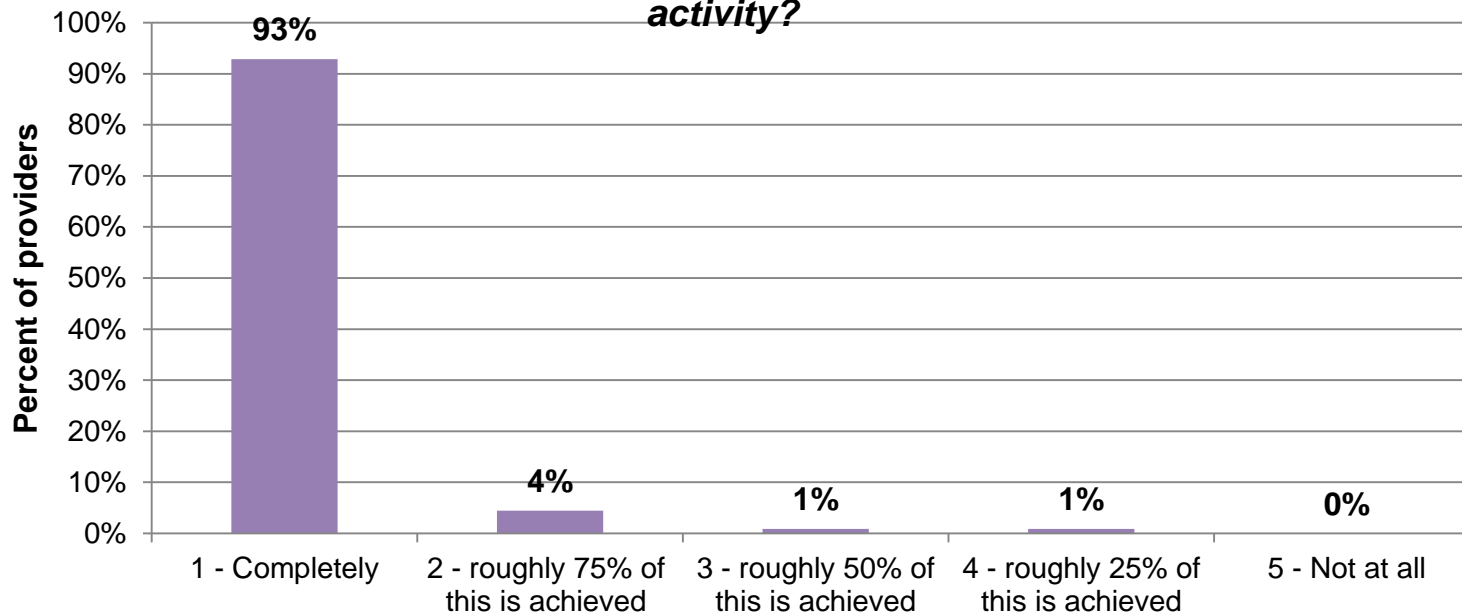


- 97% of responding providers are currently carrying out this improvement activity at some level.
- The percentage of responding providers carrying out this activity at 100% has stayed the same at 79% compared to the previous survey.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*

# 93% of responding providers are implementing this activity at 100%

**Activity 13: Does it include a protocol for escalation if concerns are raised? If so to what extent have you implemented this improvement activity?**



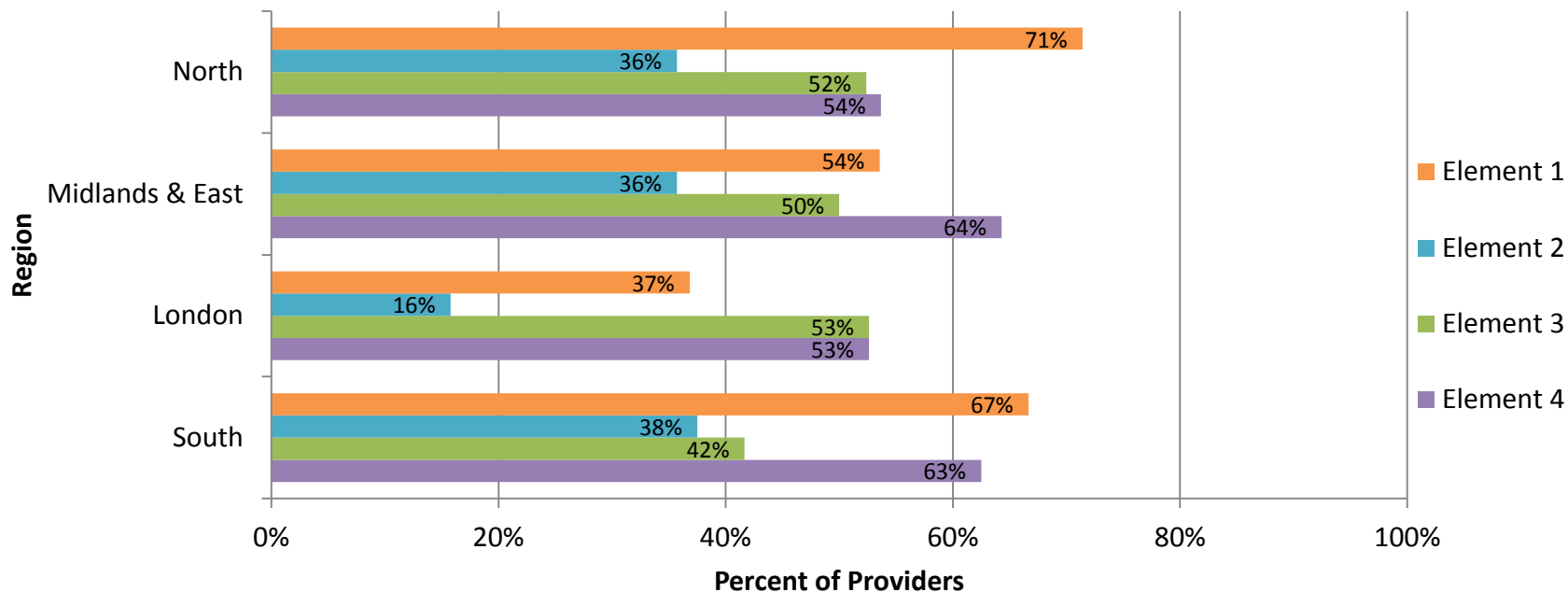
- This activity scored the highest in terms of providers at 100% for element 4 (93%) for element 4. This % has increased since the previous survey where 86% of responding providers reported implementing this activity ‘Completely’.

*Please note that 17 less providers responded in survey 7 compared to survey 6, which reduces our ability to compare national results across surveys.*

# Regional Level Summary and Maps

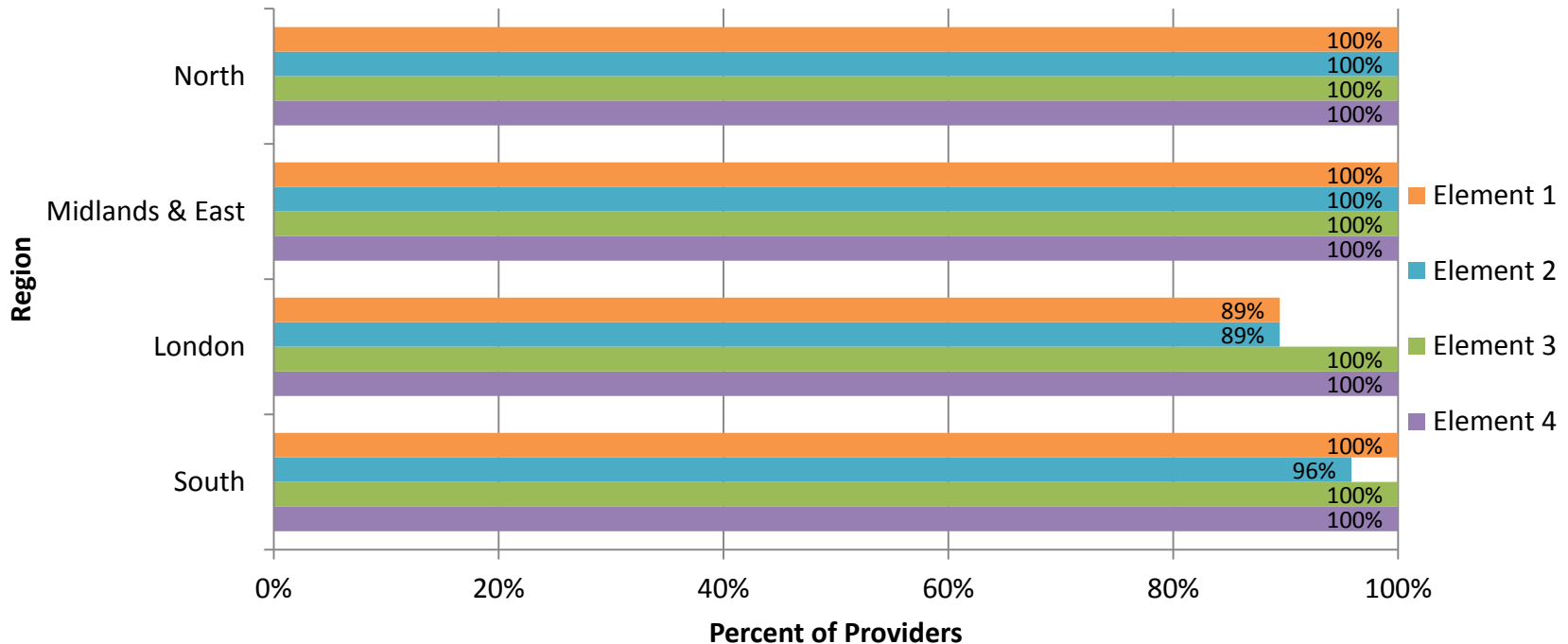


# There is regional variation in the % of responding providers fully implementing each of the elements



- The regional breakdown shows that generally element 1 and 4 are the most implemented amongst providers, while at regional level element 2 is the least implemented, a pattern seen at national level.
- Regional patterns of complete implementation across the 4 elements are very similar to previous surveys
- London based providers generally demonstrate the lowest level of complete implementation compared to the other regions

# All responding providers in each region are implementing some activities associated with at least one element



- There are two elements of the care bundle where 100% of responding providers are implementing improvement activities to some degree, element 3 and element 4.
- The Midlands and East and the North report that 100% of providers in the region are carrying out improvement activities to some extent across all elements of the care bundle.
- London based providers generally demonstrate the lowest level of implementation compared to the other regions

# NHS Region Results

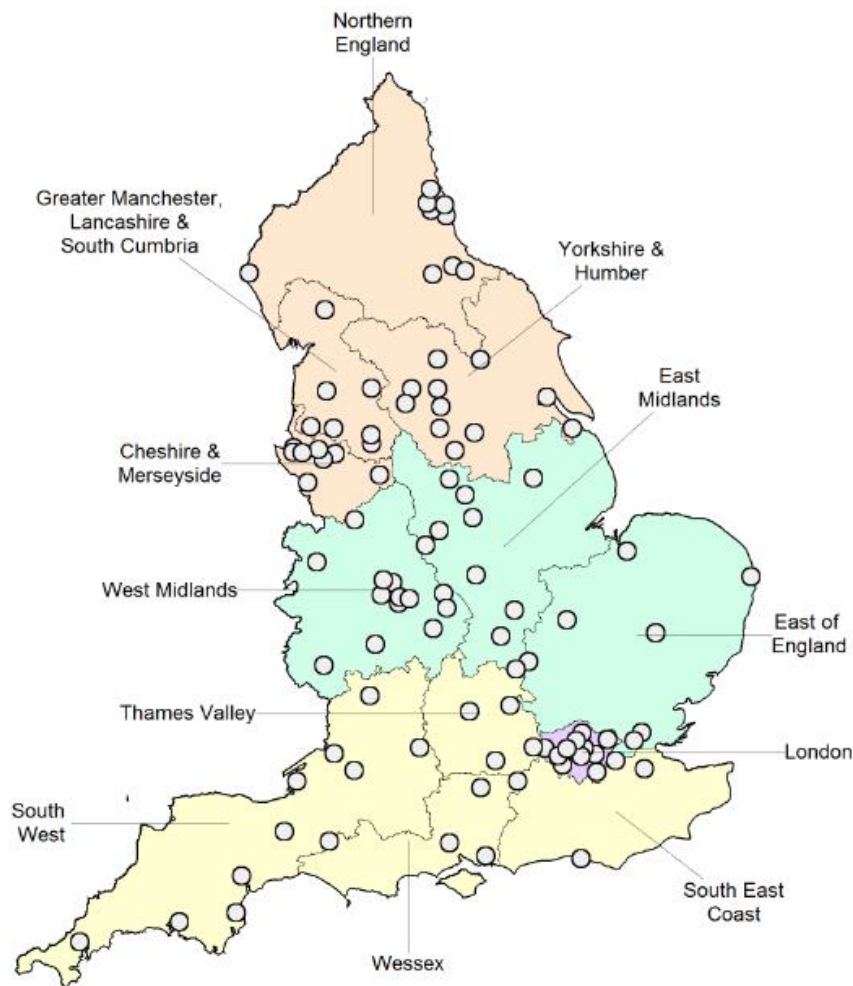
 **North:**  
42 Responses

 **Midlands and East:**  
28 Responses

 **London:**  
19 Responses

 **South:**  
24 Responses

- The white dots on the map represent 136 maternity providers across England that were sent the survey and what SCN and NHS region they sit within.
- **We received less responses from providers across Midlands and South regions than we have received during last years survey (113/136) .**
- All maps show the SCN boundaries for 2015/16. These do not include the recent restructuring of Cheshire & Merseyside and Greater Manchester, Lancashire & South Cumbria.

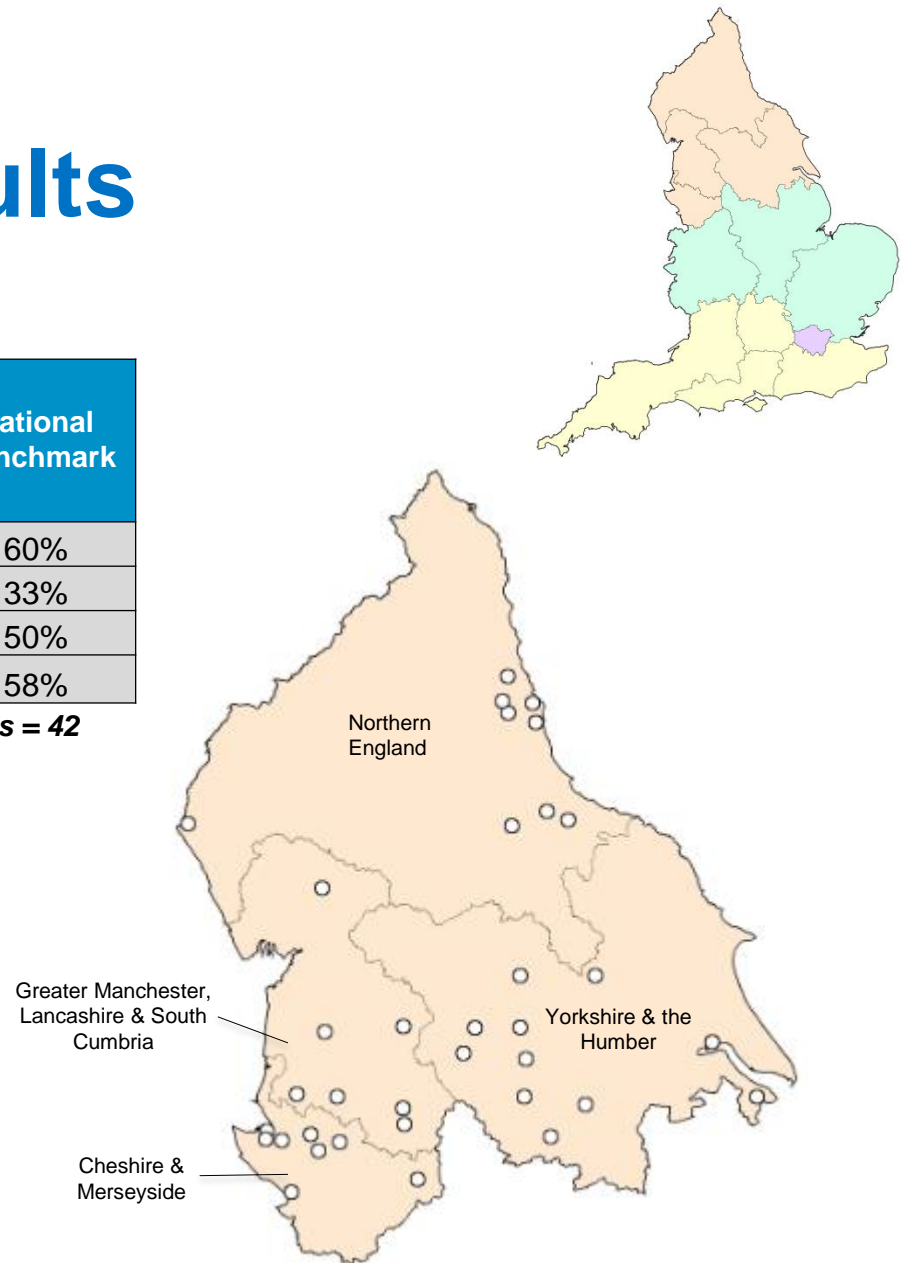


# North Region Results

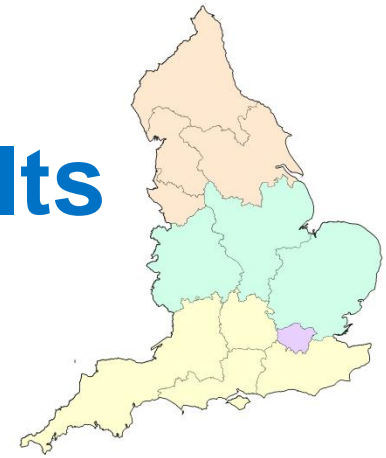
	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1	100%	98%	71%	60%
Element 2	100%	97%	36%	33%
Element 3	100%	100%	52%	50%
Element 4	100%	100%	54%	58%

**Number of responses = 42**

- The figures above show % of responding providers carrying out improvement activities and the % of responding providers at 100% for each element alongside a national benchmark.
- Responding providers in the North region scored higher than the national benchmark in elements 1,2 and 3 for implementing each element at 100%.
- The white dots on the map represent maternity providers within the North region.



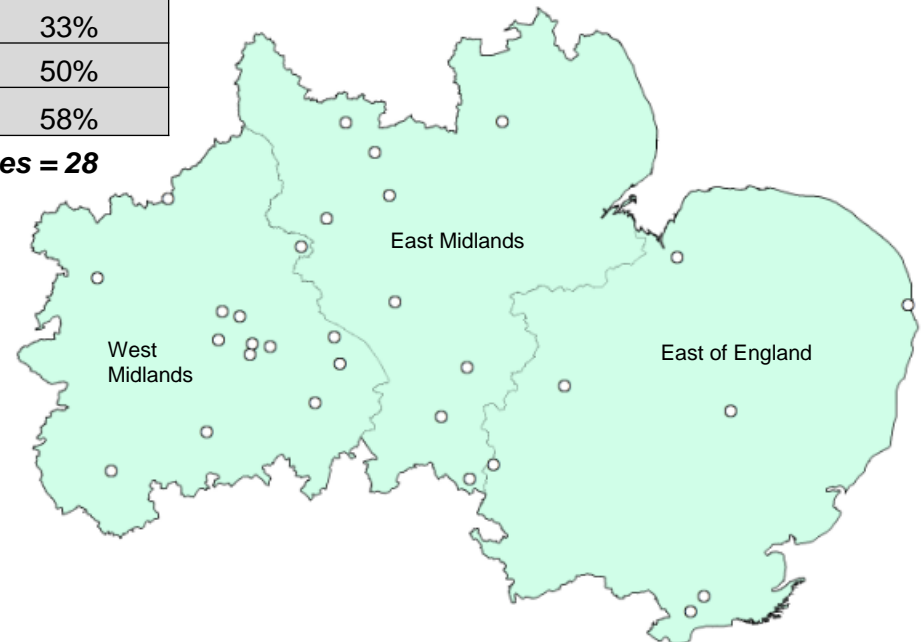
# Midlands & East Region Results



	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1	100%	98%	54%	60%
Element 2	100%	97%	36%	33%
Element 3	100%	100%	50%	50%
Element 4	100%	100%	64%	58%

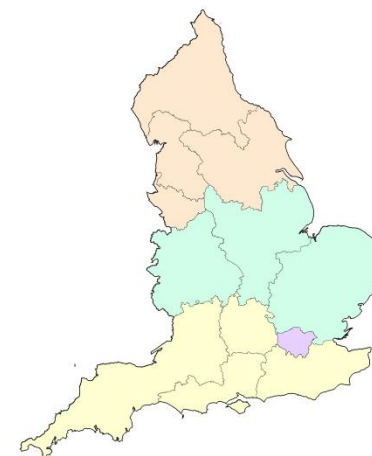
**Number of responses = 28**

- The figures above show % of responding providers carrying out improvement activities and the % of responding providers at 100% for each element alongside a national benchmark.
- Responding providers in the Midlands and East region scored higher than or equal to the national benchmark for carrying out improvement activities associated with all elements.
- The white dots on the map represent maternity providers within the region.





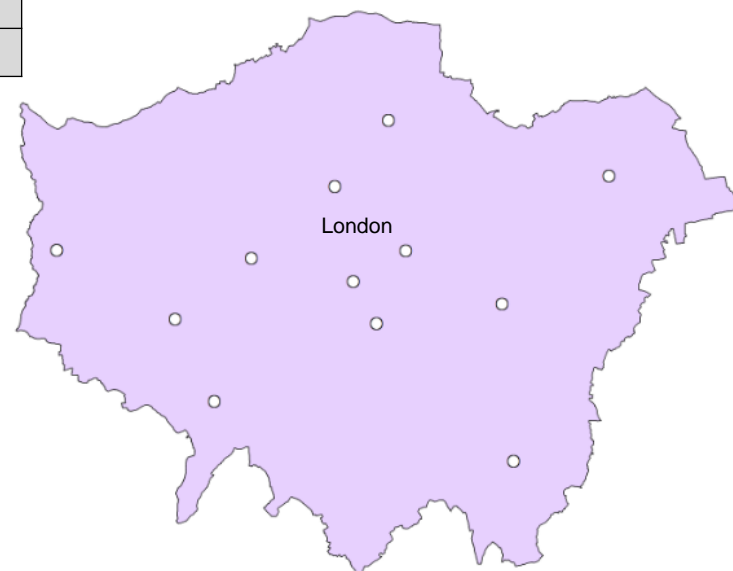
# London Region Results



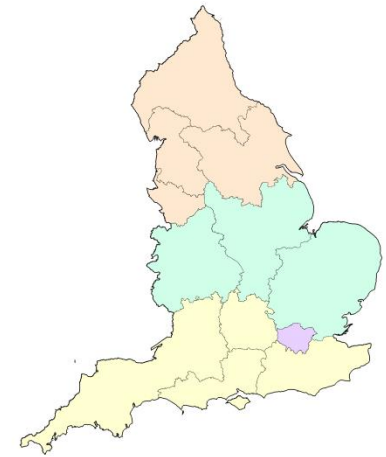
	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1	89%	98%	37%	60%
Element 2	89%	97%	16%	33%
Element 3	100%	100%	53%	50%
Element 4	100%	100%	53%	58%

**Number of responses = 19**

- The figures above show % of responding providers carrying out improvement activities and the % of responding providers at 100% for each element alongside a national benchmark.
- Responding providers in the London region are equal to or greater than the national benchmark for carrying out improvement activities associated with element 3 and 4, and for implementing element 3 activities at 100%.
- The white dots on the map represent maternity providers within the region.



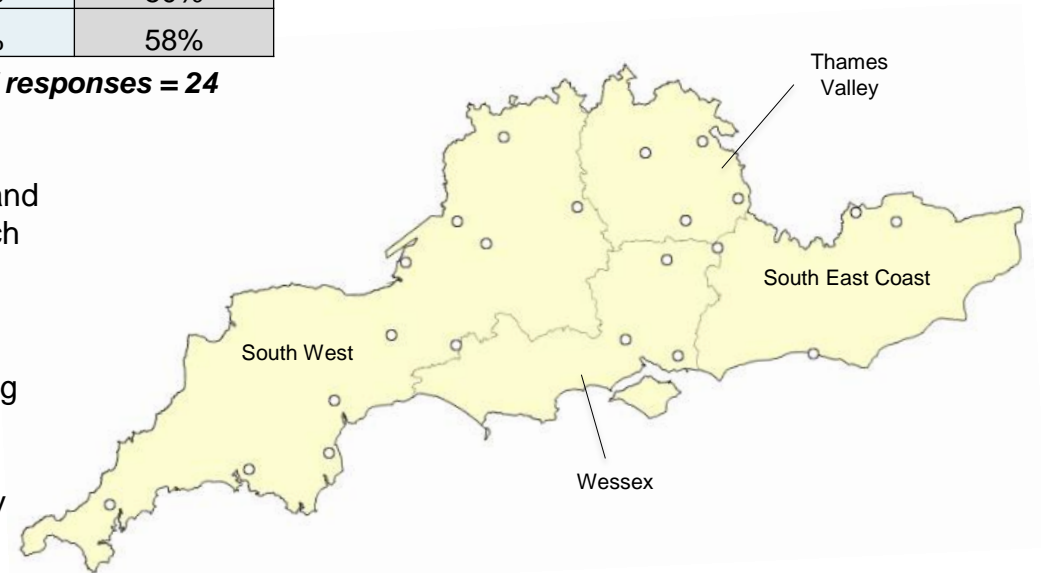
# South Region Results



	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1	100%	98%	67%	60%
Element 2	96%	97%	38%	33%
Element 3	100%	100%	42%	50%
Element 4	100%	100%	63%	58%

**Number of responses = 24**

- The figures above show % of responding providers carrying out improvement activities and the % of responding providers at 100% for each element alongside a national benchmark.
- Responding providers in the South region are above the national benchmark for implementing element 1, 2 and 4 at 100%.
- The white dots on the map represent maternity providers within the region.



# Strategic Clinical Network (SCN) Level Summary Tables



# Northern England

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	67%	60%
Element 2: Detecting FGR	100%	97%	44%	33%
Element 3: Reduced fetal movement	100%	100%	78%	50%
Element 4: CTG monitoring	100%	100%	100%	58%
All elements	100%	96%	33%	12%

*Number of Responses = 9*

- All responding providers are carrying out some improvement activities for all elements of the care bundle.
- All responding providers are implementing element 4 of the care bundle at 100%.
- Responding Providers in Northern England are above or equal to the national benchmark for carrying out improvement activities for all elements and for implementing each element at 100%.
- Element 4 appears to be implemented the most and element 2 appears to be implemented the least with 4 responding providers out of 9 fully implementing all improvement activities associated with this element.

# North West Coast

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	75%	60%
Element 2: Detecting FGR	100%	97%	25%	33%
Element 3: Reduced fetal movement	100%	100%	50%	50%
Element 4*: CTG monitoring	100%	100%	45%	58%
All elements	100%	96%	8%	12%

*Number of Responses = 12*

- 11 out of 12 responding providers are carrying out some improvement activities for each element of the Care Bundle.
- 1 responding provider is fully implementing all activities for all elements of the care bundle at 100%, and 9 responding providers are fully implementing at least one element at 100%.
- Element 1 appears to be implemented the most with 9 responding providers fully implementing all improvement activities associated with this element.
- Element 2 appears to be implemented the least with only 3 responding providers fully implementing all improvement activities associated with this element.

\* One provider has been excluded from the % calculations as they are a community based provider

# Yorkshire & the Humber

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	85%	60%
Element 2: Detecting FGR	100%	97%	46%	33%
Element 3: Reduced fetal movement	100%	100%	38%	50%
Element 4: CTG monitoring	100%	100%	62%	58%
All elements	100%	96%	23%	12%

*Number of Responses = 13*

- All responding providers are carrying out some improvement activities for each element of the Care Bundle.
- 3 responding providers are fully implementing all activities for all elements of the care bundle at 100%.
- Yorkshire and the Humber responding providers are above the national benchmark for implementing element 1, 2 and 4 at 100%.
- All providers in this area are fully implementing at least one element at 100%.

# Greater Manchester and East Cheshire

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	50%	60%
Element 2: Detecting FGR	100%	97%	25%	33%
Element 3: Reduced fetal movement	100%	100%	50%	50%
Element 4: CTG monitoring	100%	100%	0%	58%
All elements	100%	96%	0%	12%

*Number of Responses = 8*

- 5 responding providers are fully implementing all activities associated with at least one element at 100%.
- Responding providers are above or equal to the national benchmark for carrying out improvement activities associated with all elements.
- Responding providers are equal to the national benchmark for implementation of activities at 100% for element 3.
- Element 4 appears to be implemented the least. However, 6 providers are implementing activities associated with element 4 at 50% or more.

# East Midlands

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	63%	60%
Element 2: Detecting FGR	100%	97%	13%	33%
Element 3: Reduced fetal movement	100%	100%	75%	50%
Element 4: CTG monitoring	100%	100%	50%	58%
All elements	100%	96%	0%	12%

*Number of Responses = 8*

- All responding providers are carrying out improvement activities for all elements of the Care Bundle.
- East Midlands are above the benchmark for implementing element 1 and 3 at 100%.
- Element 2 appears to be implemented the least and is below the national benchmark with only 1 provider in the region implementing element 2 activities at 100%.



# West Midlands

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	58%	60%
Element 2: Detecting FGR	100%	97%	58%	33%
Element 3: Reduced fetal movement	100%	100%	42%	50%
Element 4: CTG monitoring	100%	100%	75%	58%
All elements	100%	96%	33%	12%

*Number of Responses = 12*

- All responding providers are carrying out some improvement activities for all elements of the Care Bundle.
- Four responding providers are fully implementing all activities for all elements of the care bundle at 100%.
- West Midlands responding providers are above the national benchmark for carrying out improvement activities associated with all elements of the care bundle, and are above the national benchmark for 100% implementation for elements 2 and 4.

# East of England

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	38%	60%
Element 2: Detecting FGR	100%	97%	25%	33%
Element 3: Reduced fetal movement	100%	100%	38%	50%
Element 4: CTG monitoring	100%	100%	63%	58%
All elements	100%	96%	0%	12%

*Number of Responses = 8*

- All responding providers are carrying out improvement activities for all elements of the Care Bundle.
- Responding providers are above or equal to the national benchmark for carrying out improvement activities associated with all elements and for implementing all elements at 100%.
- 7 responding providers are fully implementing all activities associated with at least one element at 100%.
- Element 2 appears to be implemented the least with two responding providers fully implementing each activity associated with this element at 100%.

# London

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	89%	98%	37%	60%
Element 2: Detecting FGR	89%	97%	16%	33%
Element 3: Reduced fetal movement	100%	100%	53%	50%
Element 4: CTG monitoring	100%	100%	53%	58%
All elements	79%	96%	0%	12%

*Number of Responses = 19*

- 15 responding providers are carrying out improvement activities for all elements of the Care Bundle.
- 17 responding providers are implementing at least one element of the care bundle at 100%.
- Responding providers are at the national benchmark for carrying out improvement activities associated with elements 3 and 4 at 100%, and are below the national benchmark for 100% implementation across all elements.
- Element 2 appears to be implemented the least with three responding providers fully implementing each activity associated with this element at 100%.

# Thames Valley

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	75%	60%
Element 2: Detecting FGR	100%	97%	50%	33%
Element 3: Reduced fetal movement	100%	100%	25%	50%
Element 4: CTG monitoring	100%	100%	100%	58%
All elements	100%	96%	0%	12%

*Number of Responses = 4*

- All responding providers are carrying out some improvement activities for all elements of the Care Bundle.
- All responding providers are fully implementing all activities associated with at least one element at 100%.
- Responding providers are above the national benchmark for carrying out improvement activities associated with all elements and for implementing all elements at 100%.
- Element 3 appears to be implemented one responding provider fully implementing each activity associated with this element at 100%.

# South East Coast

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	50%	60%
Element 2: Detecting FGR	100%	97%	0%	33%
Element 3: Reduced fetal movement	100%	100%	0%	50%
Element 4: CTG monitoring	100%	100%	0%	58%
All elements	100%	96%	0%	12%

*Number of Responses = 2*

- All responding providers are carrying out some improvement activities for each element of the Care Bundle.
- Responding providers are above or equal to the national benchmark for carrying out improvement activities associated with all elements of the care bundle.
- No responding providers are fully implementing all activities associated with all elements of the care bundle at 100%.
- Elements 2, 3 and 4 appears to be implemented the least with no South East Coast responding providers fully implementing this element.

*Please note that only 2 providers responded compared to the 11 providers in total, and so the South East Coast analysis is highly influenced by the individual responses of these 2 providers, as a result, are not likely to be representative of the SCN.*

# South West

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	82%	60%
Element 2: Detecting FGR	100%	97%	36%	33%
Element 3: Reduced fetal movement	100%	100%	45%	50%
Element 4: CTG monitoring	100%	100%	64%	58%
All elements	100%	96%	18%	12%

*Number of Responses = 11*

- All responding providers are carrying out improvement activities for all elements of the Care Bundle.
- 2 responding providers are fully implementing all activities associated with all elements of the care bundle at 100%.
- Responding providers are above or equal to the national benchmark for carrying out improvement activities associated with all elements, and above the national benchmark for implementation at 100% for elements 1, 2 and 4.
- Element 2 appears to be implemented the least with 4 South West providers fully implementing this element.

# Wessex

	Providers carrying out improvement activities	National Benchmark	Providers at 100%	National Benchmark
Element 1: Smoking in pregnancy	100%	98%	43%	60%
Element 2: Detecting FGR	86%	97%	43%	33%
Element 3: Reduced fetal movement	100%	100%	57%	50%
Element 4: CTG monitoring	100%	100%	57%	58%
All elements	86%	96%	14%	12%

*Number of Responses = 7*

- 6 responding providers are carrying out improvement activities across all elements of the Care Bundle.
- 5 responding providers are implementing at least one element of the care bundle at 100%.
- Responding providers in Wessex are above the national benchmark for carrying out improvement activities associated with all elements and above the national benchmark for implementation at 100% for elements 2 and 3.
- One responding provider is fully implementing all activities associated with all elements of the care bundle at 100%.

# Data Caveats

There are number of cautionary notes to consider when interpreting the results of the tracker survey:

1. As with the second survey, data cleansing and sorting was performed prior to analysis of the results. This involved looking through logical errors, inconsistencies, written comments and other data issues within the survey responses in a systematic way. In the first survey, much of the analysis was based on 'raw' results, so while in the main the analysis was reasonably accurate, data quality issues may have impacted more on the results. As described below, for the second survey onwards, if any provider answered positively to an activity within an element but put a 'No' to the initial question of whether they were carrying out improvement activity, the response was recoded to a 'Yes' to the initial question. This was generally not done for the first survey.
2. Secondly, there was some variation in terms of when providers returned the survey and also not all survey submissions were submitted under the correct period on the Tracker spreadsheet. Inevitably, possible gaps may exist between current activities and activities at the time of the survey response.
3. Thirdly, when comparing the different time periods to track improvement, each quarter does not include exactly the same group of trusts or the same number of trusts, which means that time series comparisons must be interpreted with caution.
4. Lastly, there may be issues around providers carrying out activities that almost or nearly match the interventions described in the Care Bundle or which differ slightly – some providers might be more positive in their responses if it is nearly the same as the Care Bundle, others might think if it is not exactly the same then it is not matching the Care Bundle's ambitions (and then answer 'Not at all' for instance). Local variation in practices will inevitably exist.

**Data Sorting and Cleansing Issues:** In order that the analysis provided a consistent and accurate picture of the Care Bundle, we applied a number of 'rules' to the data sorting and cleansing process, to the effect that, in a few cases, the original responses were adjusted or renamed. These rules are on the next slide.



# Data Sorting and Cleansing

## **Rule 1:**

If a provider responded with a 'No' (or left the question blank) to the initial question about whether they are carrying out improvement activity, but then answered positively (i.e. 25%, 50%, 75% or 100%) to any of the questions within the Element, then the initial question was changed to 'Yes'.

## **Rule 2:**

If a provider responded 'Yes' to the initial question, but then the written comments in the survey revealed that the provider is planning on implementing improvement activity in the future (implying it is not yet underway), we have changed the response to a 'No' for the initial question. This was so that the analysis assessed current activity rather than future activity.

## **Rule 3:**

If a provider did not answer a particular question within an Element and left it blank (left it as 'Click to Select') this was left as it is, rather than changed to 'Not at all' (unless the written comments explicitly would indicate otherwise). There are some cases where one could assume this means 'Not at all' and hence represents a negative response – however given the frequency of this and the uncertainty we have over what was meant, it seemed sensible to leave this as a blank and quantify the blanks within some of the summary graphs. This may have had a positive skew on the data in general.

## **Rule 4:**

If a provider answered 'Yes' to the initial question, in most cases they have then not answered the question below about whether they are planning on implementing an improvement activity. However some providers did answer 'Yes' to this question, and in most cases this will be because they are planning on introducing a particular activity within an Element at some point in the future. In these cases, we have left the response as it is.

## **Rule 5:**

If a provider did not use the drop-down options for a particular question, but provided written comments instead, we have had to make some assumptions about the extent to which an activity is being implemented. If there was a simple 'Yes' we have assumed 100% compliance, but if there was a comment like 'Yes we have this aspect but not this aspect yet', then we assumed either 50% or 75%. Again, there may be some inconsistencies here in interpretation and accuracy – in the interests of getting all the results in and having a quick turnaround of the analysis for SCNs, we did not contact providers individually to ask them to what was meant by each response.

**All raw results and original survey forms have been kept secure.**