

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

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

March 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

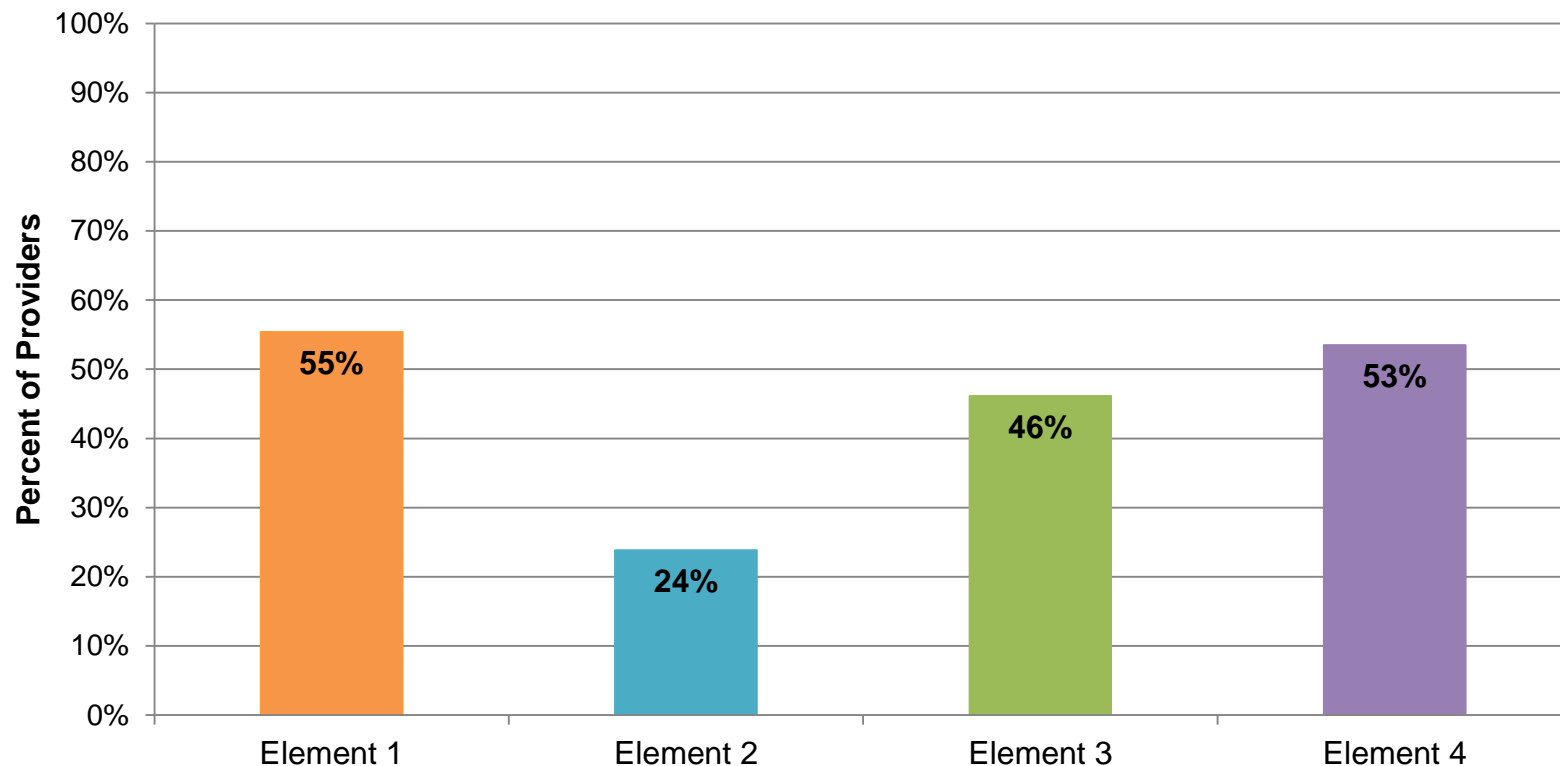
- The purpose of this survey is to provide a broad estimate of the level of engagement of NHS Providers in activities associated with each element in the care bundle.
- By comparing the results of each survey over time we can monitor the level of implementation of the care bundle and assess which areas 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 sixth survey representing all responses returned between December 2016 and March 2017.**

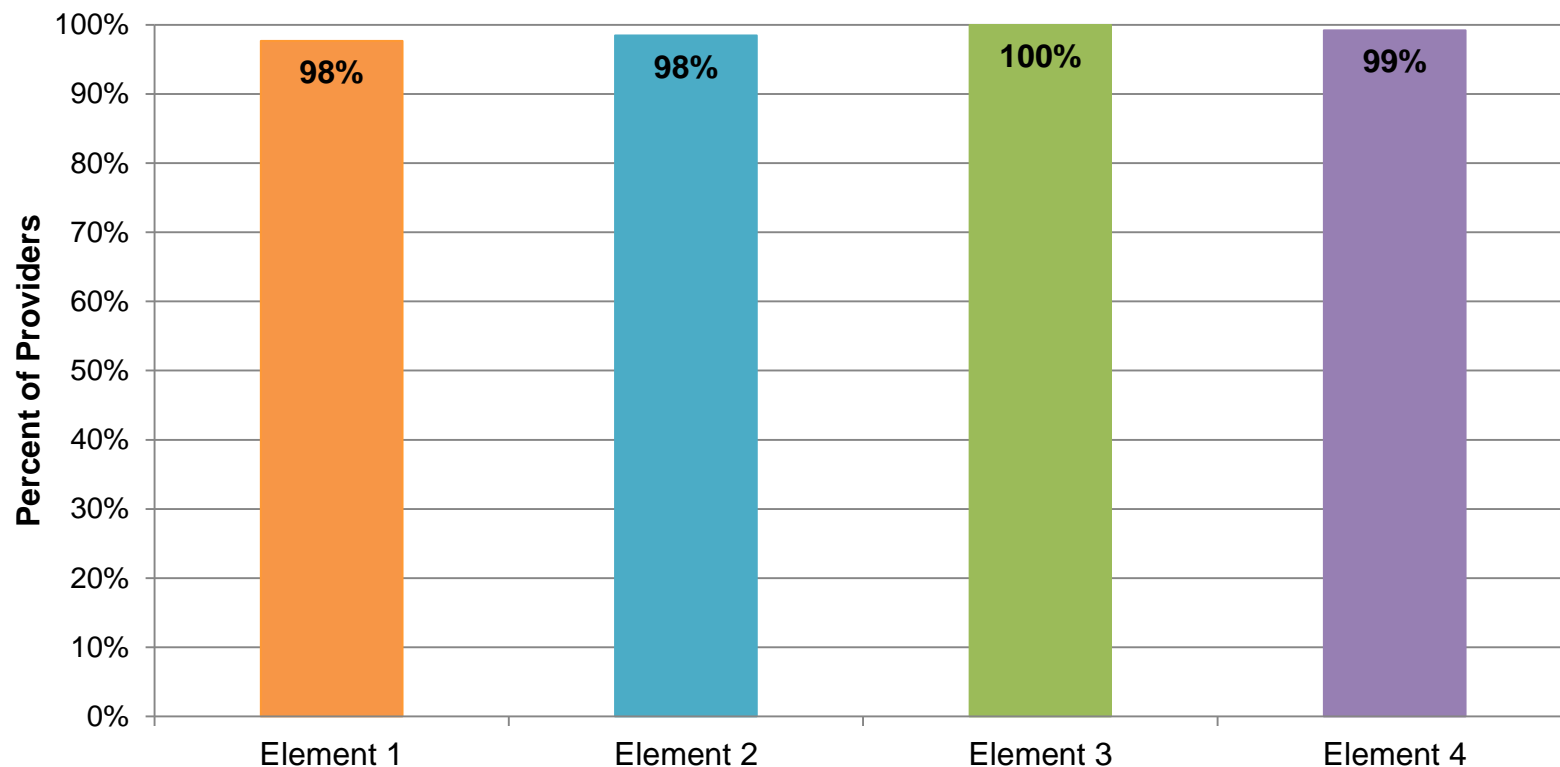
- 130 providers responded to the survey – this represents 96% of all NHS maternity providers in England and it is the best response rate to date.
- 95% of responding providers are carrying out improvement activities across all 4 elements.
- 98% of responding providers are implementing improvement activities associated with element 1 and element 2, 100% for element 3, and 99% for element 4.
- More providers have fully implemented each element of the care bundle (i.e. 100%) since the previous survey.
- 8% of responding providers are implementing all 4 elements of the Care Bundle at 100%, compared to 3% for survey 5.
- 12% of responding providers are not implementing any of the elements at 100%. However, all 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 still the activity that is implemented the least with 30% of responding providers not carrying out this activity at all.

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



Survey responses from the sixth survey show that more responding providers are implementing element 1 and element 4 of the Care Bundle at 100%. However, there has been an increase of 7% in the number of providers fully implementing element 2 since the previous survey.

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



The results from the sixth survey show that all providers are implementing improvement activities associated with at least one of the elements. Some providers who are not currently implementing improvement activities reported that they plan to implement activity within the next year or sooner.

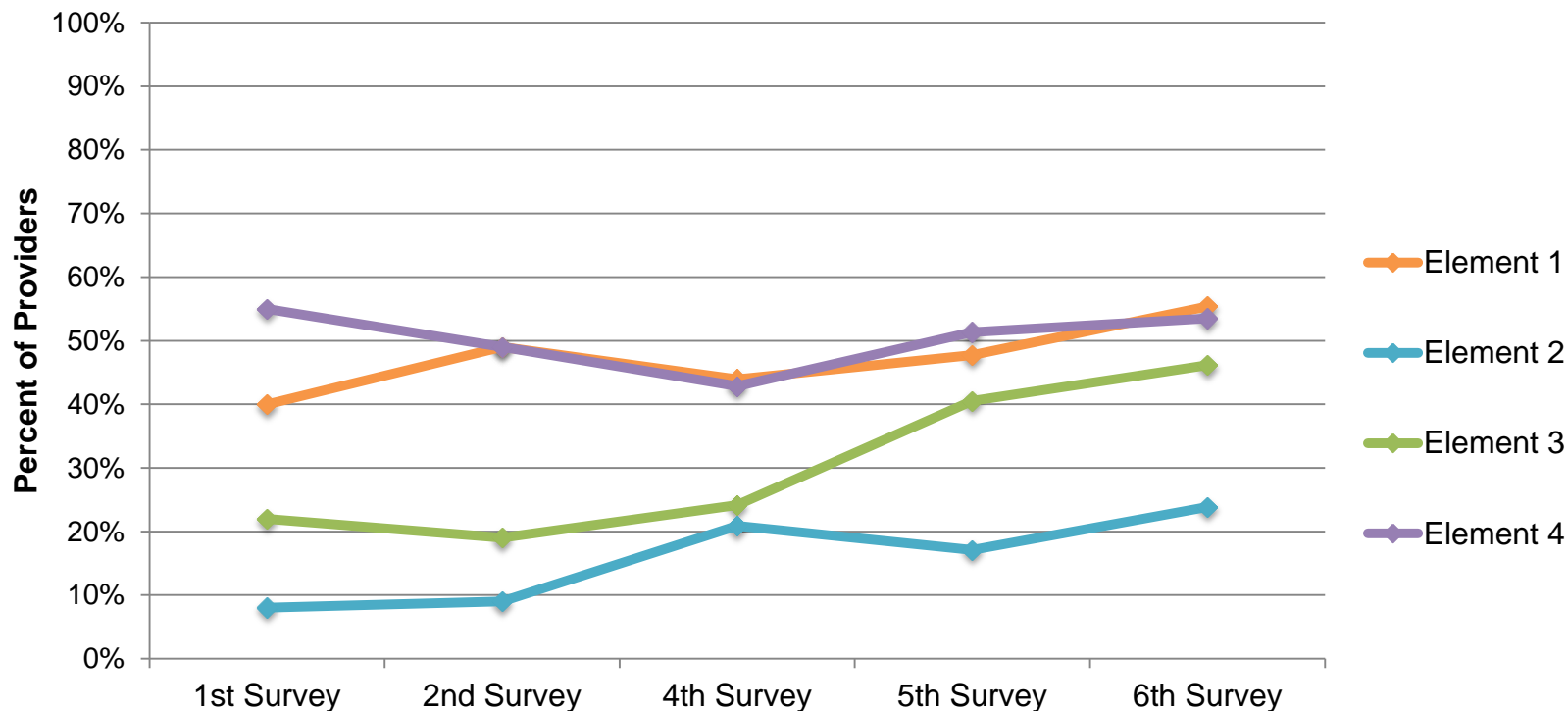
# 8% of providers are now fully implementing all elements of the Care Bundle; 12% are not fully implementing any of the elements

|                                   | Percentage of providers carrying out element at 100% | Percentage of providers not carrying out element |
|-----------------------------------|--|--|
| Element 1: Smoking in pregnancy   | 55%  | 2%   |
| Element 2: Detecting FGR          | 24%  | 2%   |
| Element 3: Reduced fetal movement | 46%  | 0%   |
| Element 4: CTG monitoring         | 53%  | 1%   |
| <b>All elements</b>               | <b>8%</b>  | <b>0%</b>  |
| <b>No elements</b>                | <b>12%</b>   | <b>95%</b>                                       |

- All providers who responded to the survey are carrying out improvement activities for at least one element of the Care Bundle.
- All providers are carrying out some activity associated with element 3.
- 2% of providers reported not carrying out any activities associated with element 1 and element 2, and 1% of providers are not carrying out any activity for element 4.

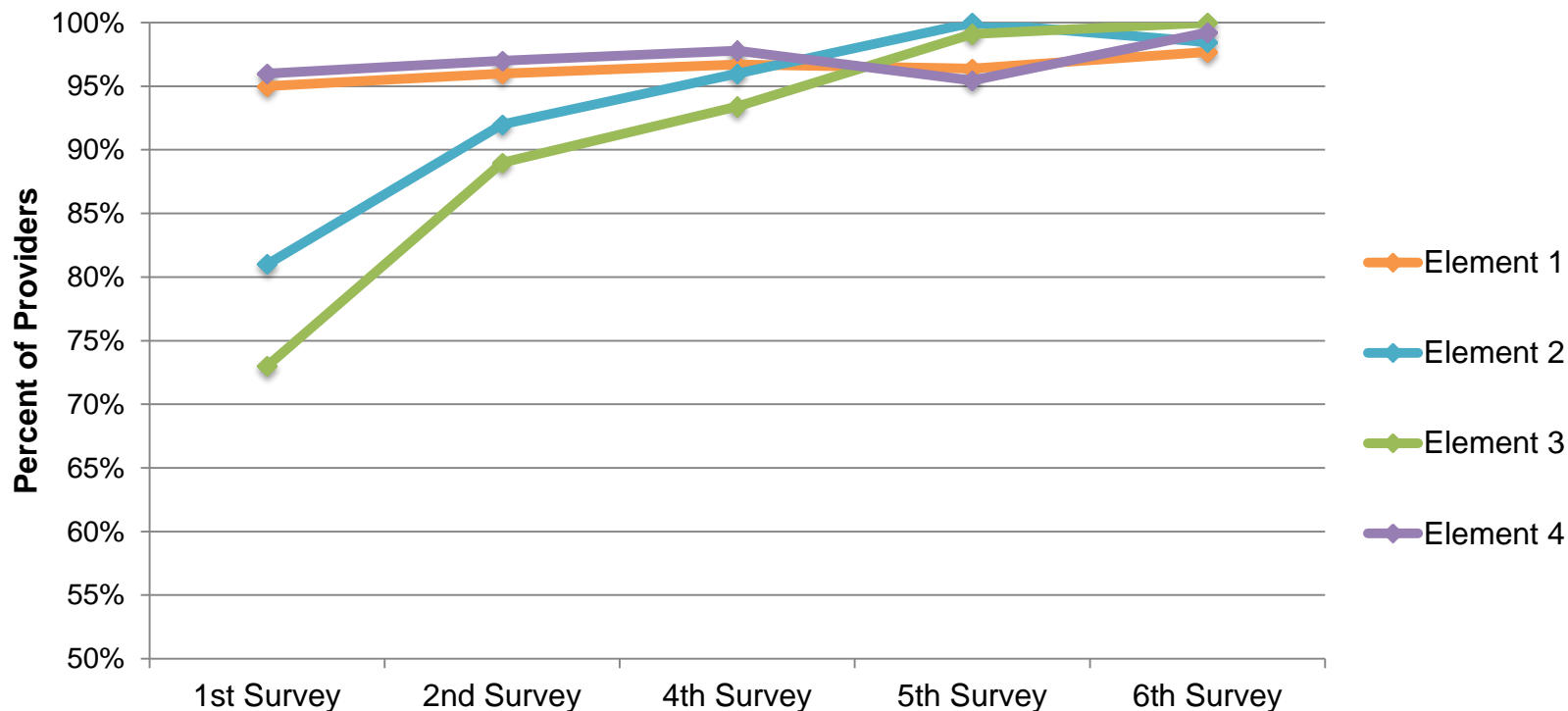


# Element 3 has seen the biggest increase in providers at 100% since the first survey



The number of providers implementing element 1, 2 and 3 at 100% has increased since the first survey. Element 2 has the lowest implementation at 24% but has increased by 16% overall since the first survey. The third survey results were not included as caution is needed in regards to the low response rate from providers (67 responses).

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



The majority of 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 with a 27% increase in activities since the first survey. The third survey results were not included as caution is needed in regards to the low response rate from providers (67 responses).

# Providers successfully implementing CO testing at 100% has increased by 11 percentage points since the previous survey.

| Providers carrying out improvement activities at 100% |              |  |                        |                        |          |
|---|--------------|--|------------------------|------------------------|----------|
| Element   | Activity No. | Improvement Activity   | 5 <sup>th</sup> Survey | 6 <sup>th</sup> Survey | +/- (pp) |
| 1   | 1            | Carrying out carbon monoxide (CO) testing of all pregnant women at antenatal booking appointment.  | 53%                    | 64%                    | 11%      |
| 1   | 2            | Referring expectant mothers, as appropriate, to a stop smoking service/specialist, based on an opt out system.   | 72%                    | 73%                    | 1%       |
| 2   | 3            | Use of antenatal growth charts for all pregnant women by clinicians who have gained competence in their use.   | 68%                    | 76%                    | 9%       |
| 2   | 4            | Use of a growth chart to aid decision making on classification of risk of fetal growth restriction.  | 84%                    | 82%                    | -1%      |
| 2   | 5            | Screening and monitoring all pregnancies based on the assessment of risk.  | 69%                    | 75%                    | 5%       |
| 2   | 6            | Ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates.   | 45%                    | 46%                    | 1%       |
| 2   | 7            | Ongoing case-note audits of selected cases not detected antenatally, to identify barriers.   | 34%                    | 44%                    | 10%      |
| 3   | 8            | Providing pregnant mothers with information and an advice leaflet on reduced fetal movement.   | 87%                    | 93%                    | 6%       |
| 3   | 9            | Giving pregnant mothers RFM information by 24 weeks of pregnancy at the latest and discussed at every subsequent contact.                                    | 79%                    | 88%                    | 9%       |
| 3   | 10           | Use of a checklist to manage the care of pregnant woman who report reduced fetal movement.   | 50%                    | 51%                    | 0%       |
| 4   | 11           | Ensuring that all staff who care for women in labour undertake an annual training and competency assessment on CTG interpretation/intermittent auscultation. | 62%                    | 68%                    | 6%       |
| 4   | 12           | Use of a fresh eyes/buddy system to review CTG interpretation/ intermittent auscultation.  | 77%                    | 79%                    | 2%       |
| 4   | 13           | A protocol for escalation if concerns are raised.  | 85%                    | 86%                    | 1%       |

# There has been a slight increase in providers not carrying out improvement activities associated with element 1, 2 and 4 since the last survey.

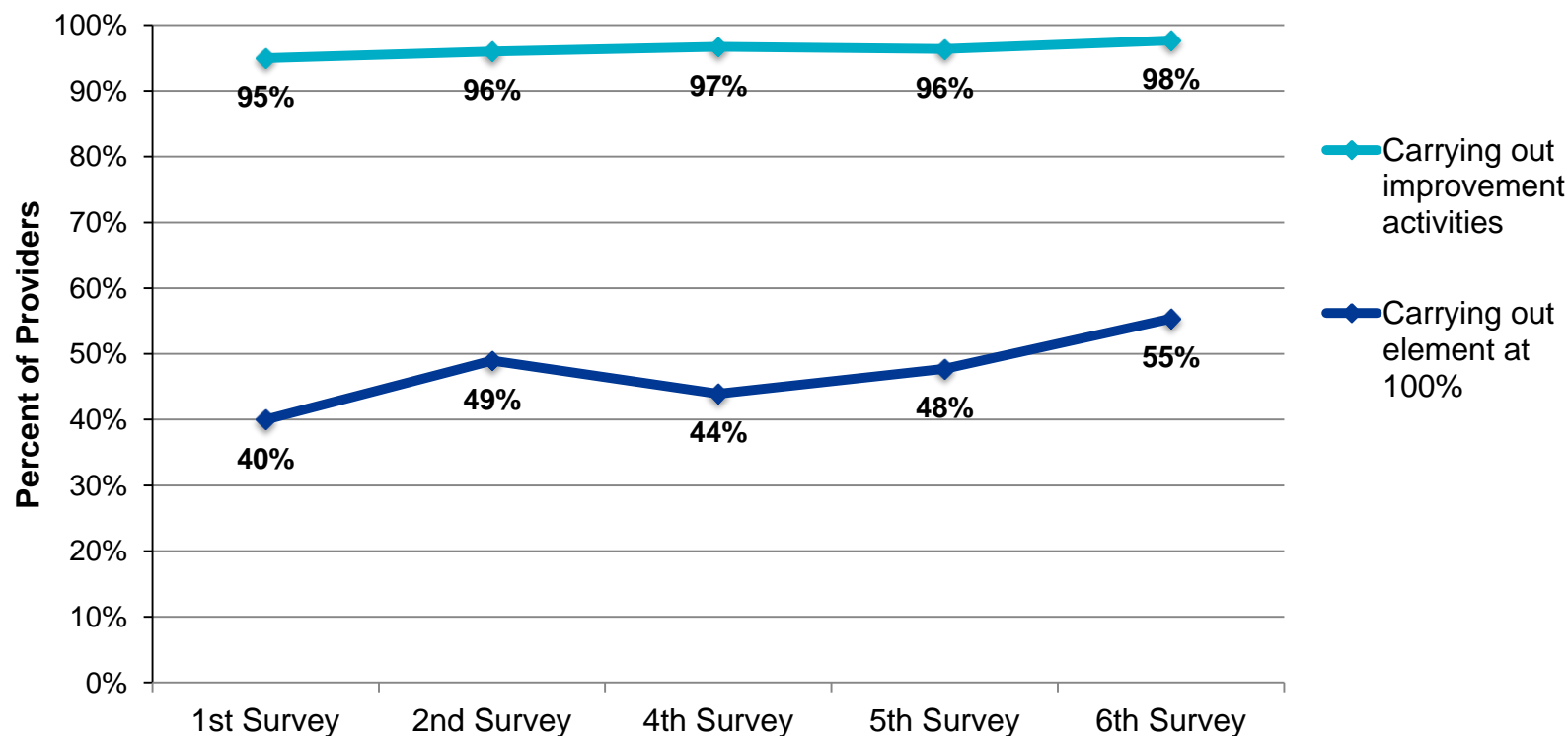
| Providers not carrying out improvement activities |              |   |                        |                        |          |
|---|--------------|---|------------------------|------------------------|----------|
| Element   | Activity No. | Improvement Activity  | 5 <sup>th</sup> Survey | 6 <sup>th</sup> Survey | +/- (pp) |
| 1   | 1            | Carrying out carbon monoxide (CO) testing of all pregnant women at antenatal booking appointment.   | 5%                     | 5%                     | 0%       |
| 1   | 2            | Referring expectant mothers, as appropriate, to a stop smoking service/specialist, based on an opt out system.  | 5%                     | 6%                     | 2%       |
| 2   | 3            | Use of antenatal growth charts for all pregnant women by clinicians who have gained competence in their use.  | 23%                    | 15%                    | -7%      |
| 2   | 4            | Use of a growth chart to aid decision making on classification of risk of fetal growth restriction.   | 5%                     | 8%                     | 2%       |
| 2   | 5            | Screening and monitoring all pregnancies based on the assessment of risk.   | 3%                     | 2%                     | -1%      |
| 2   | 6            | Ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates.  | 17%                    | 16%                    | -1%      |
| 2   | 7            | Ongoing case-note audits of selected cases not detected antenatally, to identify barriers.  | 23%                    | 22%                    | -2%      |
| 3   | 8            | Providing pregnant mothers with information and an advice leaflet on reduced fetal movement.  | 2%                     | 1%                     | -1%      |
| 3   | 9            | Giving pregnant mothers RFM information by 24 weeks of pregnancy at the latest and discussed at every subsequent contact.                                     | 3%                     | 2%                     | -1%      |
| 3   | 10           | Use of a checklist to manage the care of pregnant woman who report reduced fetal movement.  | 33%                    | 30%                    | -3%      |
| 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%                     | 5%                     | 0%       |
| 4   | 12           | Use of a fresh eyes/buddy system to review CTG interpretation/ intermittent auscultation.   | 2%                     | 2%                     | 1%       |
| 4   | 13           | A protocol for escalation if concerns are raised.   | 1%                     | 2%                     | 1%       |

# Element 1: Reducing smoking in pregnancy

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



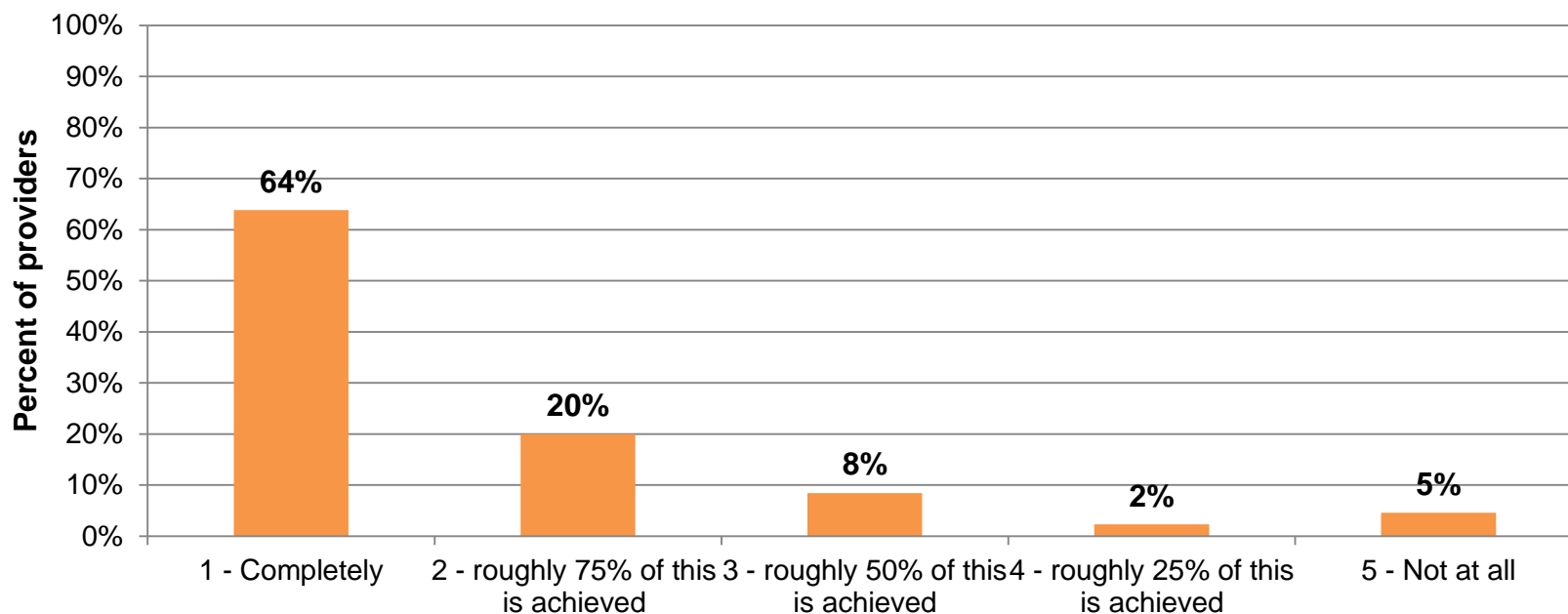
# Providers carrying out improvement activities to reduce smoking in pregnancy has increased since the first survey



- 55% of providers are carrying out improvement activities associated with element 1 of the Care Bundle at 100%. This represents a 7% increase since the fifth survey.
- Three providers answered “no” to carrying out improvement activities. One provider stated that they are planning to introduce activities within the next 6 to 12 months.

# 64% of responding providers are implementing this activity at 100%

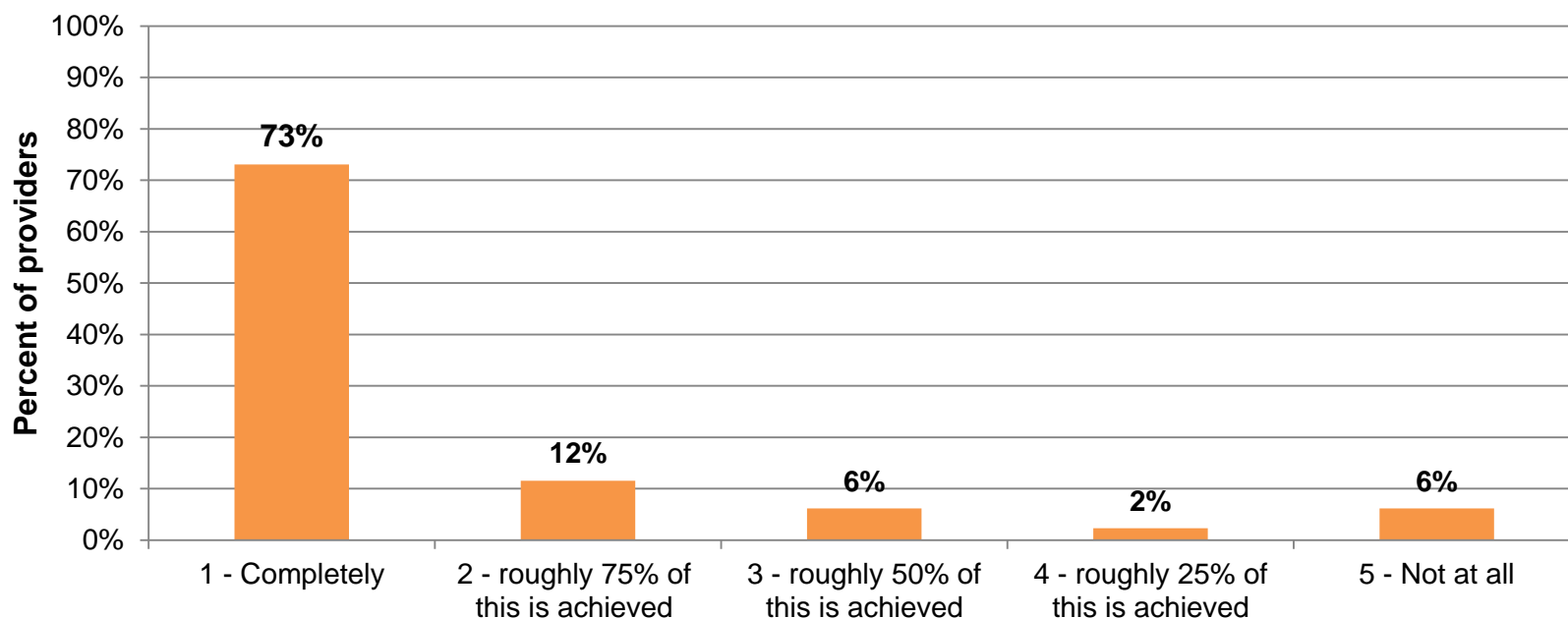
**Activity 1: Carrying out carbon monoxide (CO) testing of all pregnant women at antenatal booking appointment**



- 95% of providers reported that they are implementing this activity to some extent. Most of these providers are implementing this activity at '75% or more'.
- 5% of providers reported that they are not currently implementing CO testing at all. This has remained the same since the previous survey.

# 73% of providers are implementing this activity at 100%

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



- Overall, 93% of providers are implementing this activity to some extent.
- 6% of providers reported that they are not carrying out this activity at all. This has increased slightly since the previous survey. The number of respondents has also increased significantly since the previous survey.

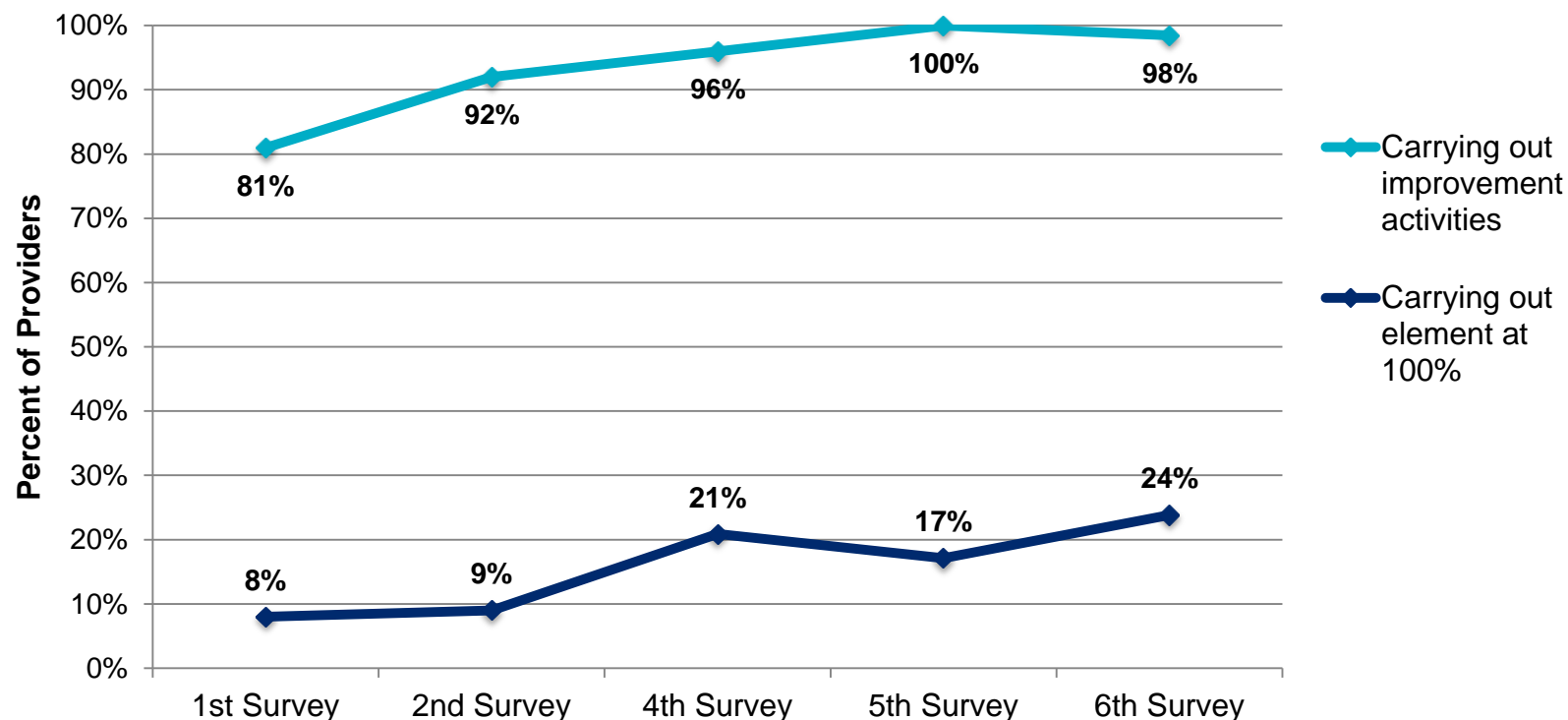


## Element 2: Detecting Fetal Growth Restriction

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



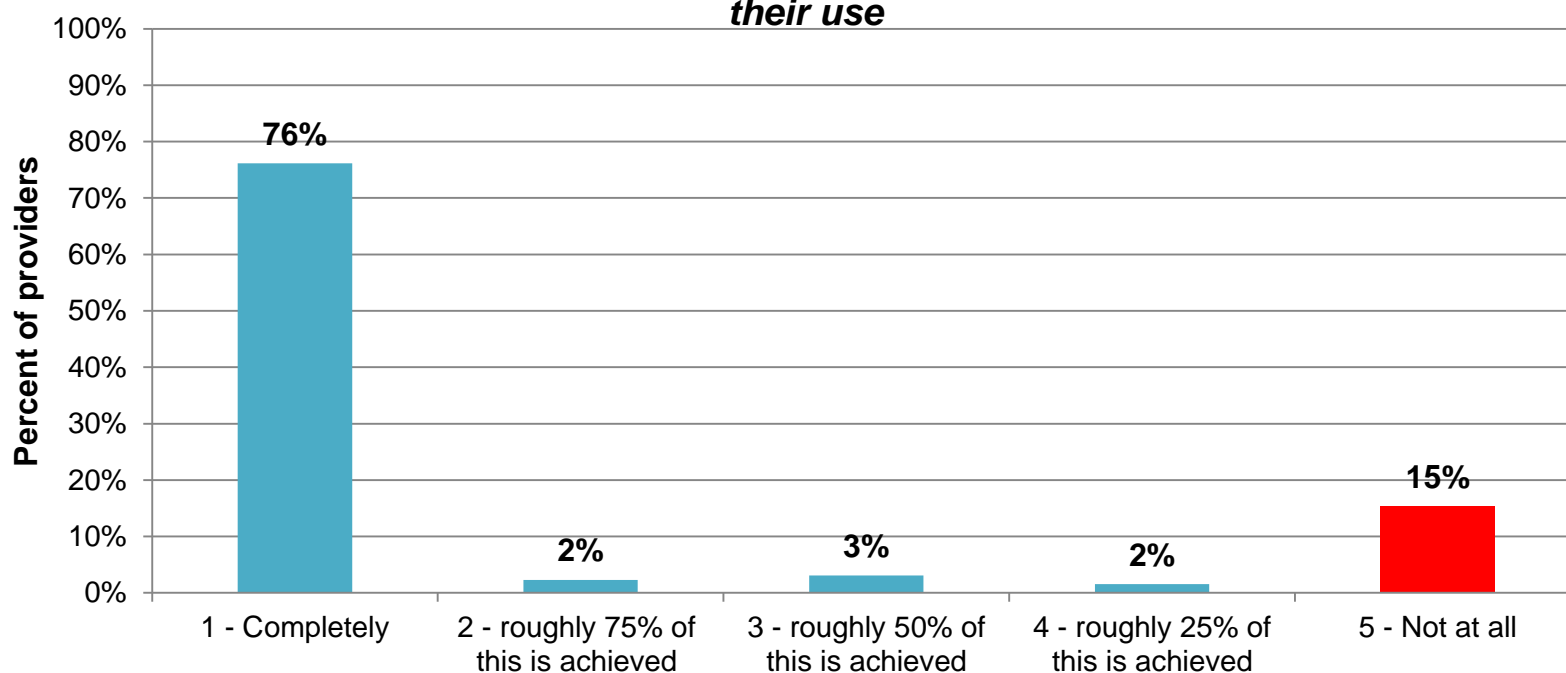
# 98% of responding providers are carrying out improvement activities to detect fetal growth restriction



- 24% of providers are carrying out all five improvement activities associated with element 2 of the Care Bundle at 100%. This shows a 7% increase in providers who are fully implementing the element since the fifth survey.

# 15% of providers reported that they are not carrying out this activity at all

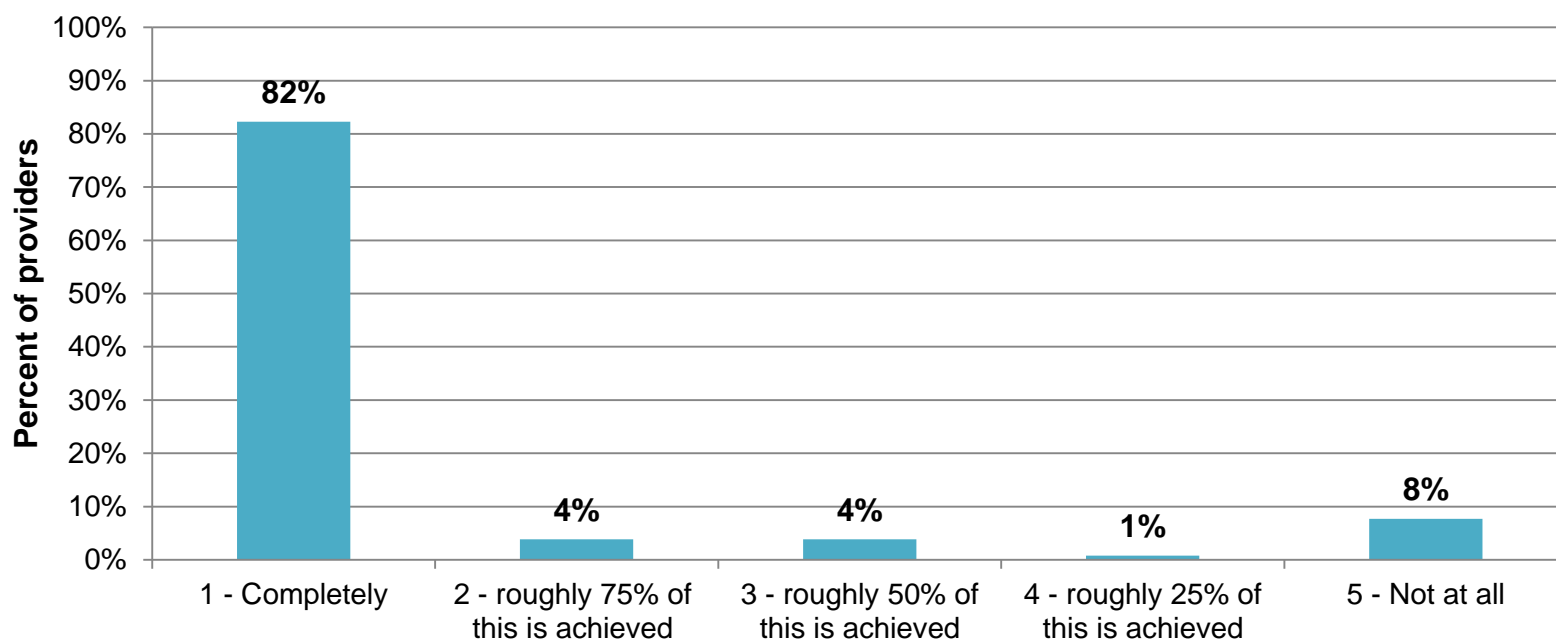
**Activity 3: Use of customised or standardised antenatal growth charts for all pregnant women by clinicians who have gained competence in their use**



- 76% of providers are currently using customised or standardised growth charts for all pregnant women. This is a 9% increase in providers compared to the previous survey.
- Some providers who responded “not at all” noted that they use a different system rather than growth charts, so the question does not reflect the activities they are doing.

# 82% of providers are implementing this activity at 100%

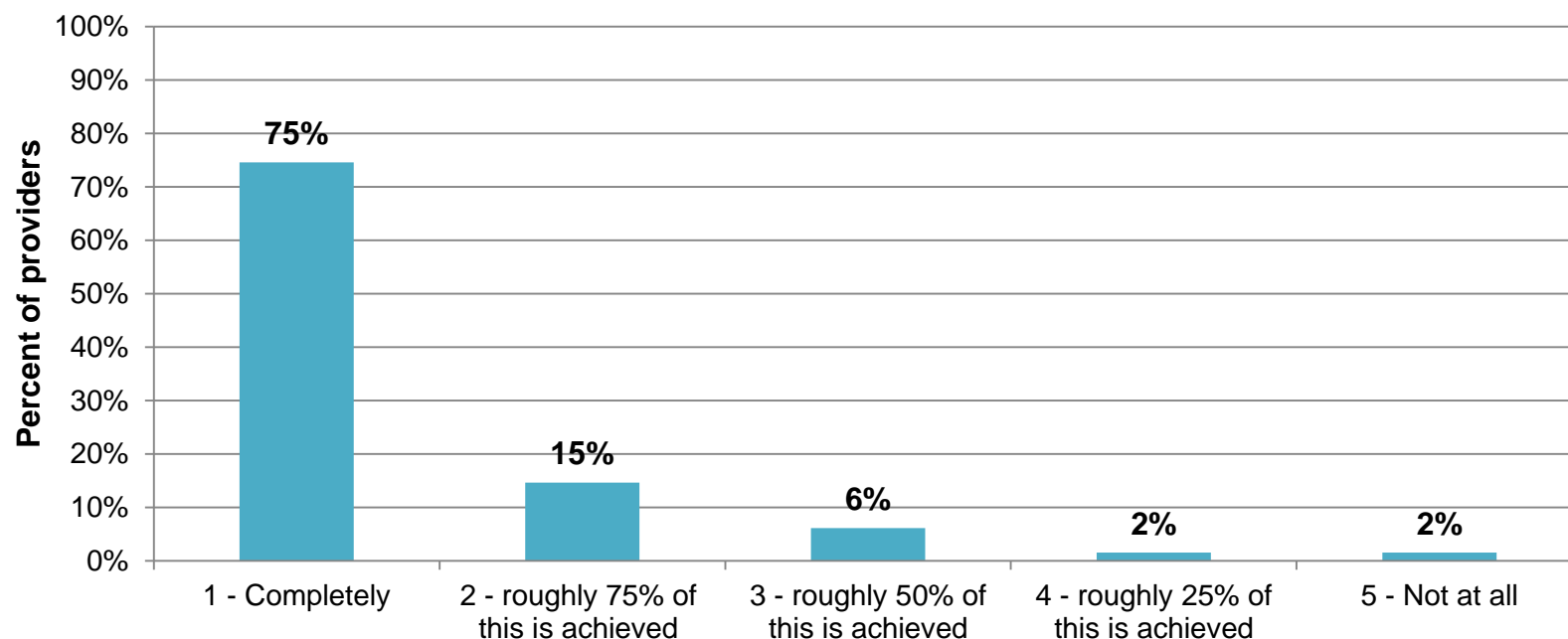
**Activity 4: Use of a growth chart to aid decision making on classification of risk of fetal growth restriction**



- This activity has the highest number of providers implementing 'completely' out of all the activities associated with element 2.
- 8% of providers answered 'not at all' to carrying out this improvement activity, which is higher than the fifth survey where 5% of providers answered 'not at all'.

# 75% of providers are implementing this activity at 100%

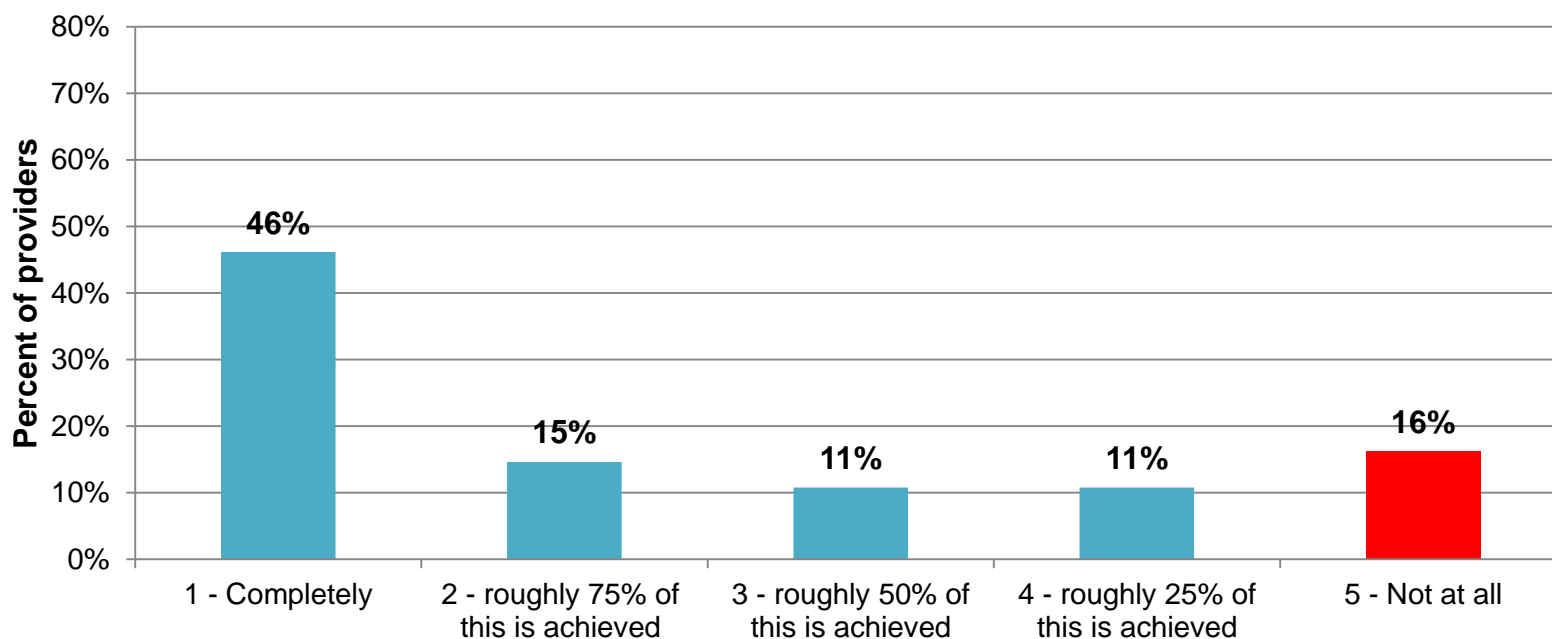
**Activity 5: Screening and monitoring all pregnancies based on the assessment of risk?**



- 97% of providers are currently screening and monitoring all pregnancies based on the assessment of risk at some level.
- 75% of providers reported that they are carrying out this activity 'completely', which is a 5% increase since the fifth survey (69%).

# 16% of providers reported that they are not carrying out this activity at all

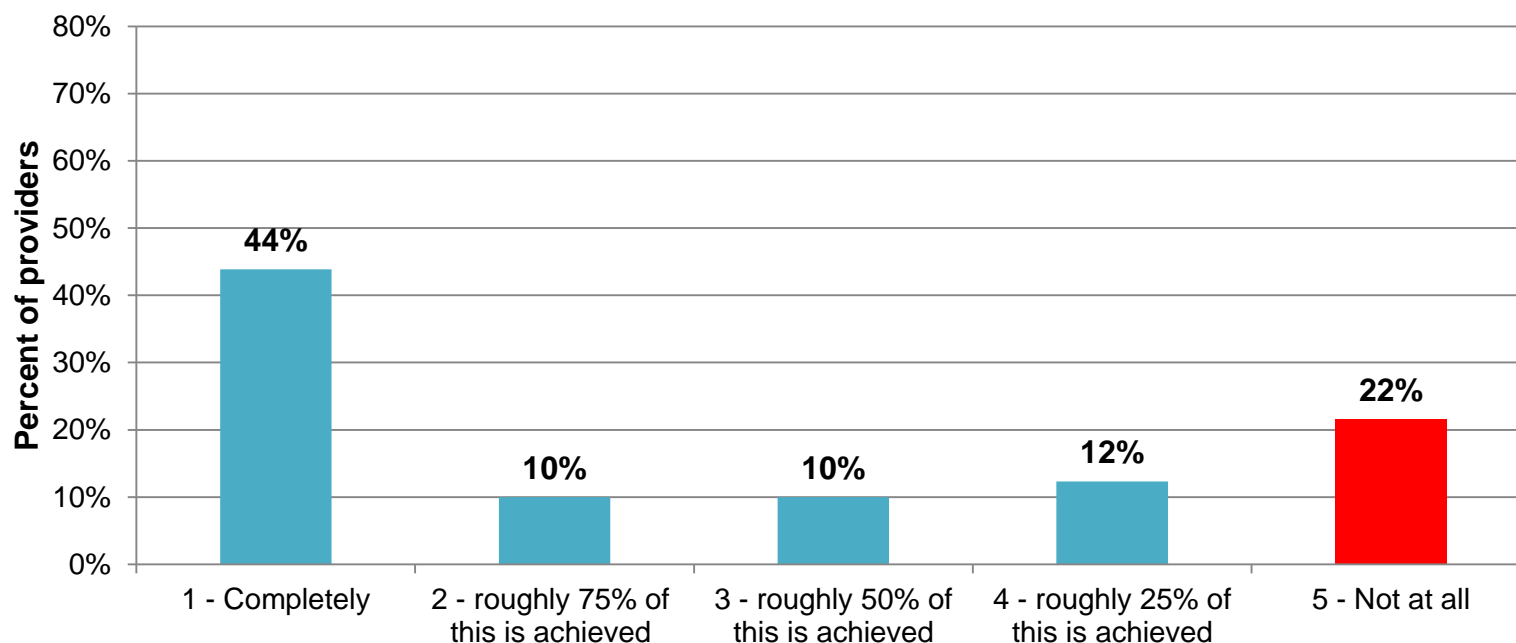
**Activity 6: Ongoing audits and reporting of Small for Gestational Age (SGA) rates and antenatal detection rates**



- 82% of providers are currently carrying out this improvement activity at some level.
- 16% of providers reported that they are not carrying out auditing for SGA rates and antenatal detection rates at all. However, some of these providers are in the process of implementing GROW and are planning to start auditing in the near future.

# 22% of 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 number of providers carrying out this activity at 100% has increased from 34% in the fifth survey to 44%; this activity has the lowest number of providers implementing 'completely' out of all the activities across all elements of the care bundle.

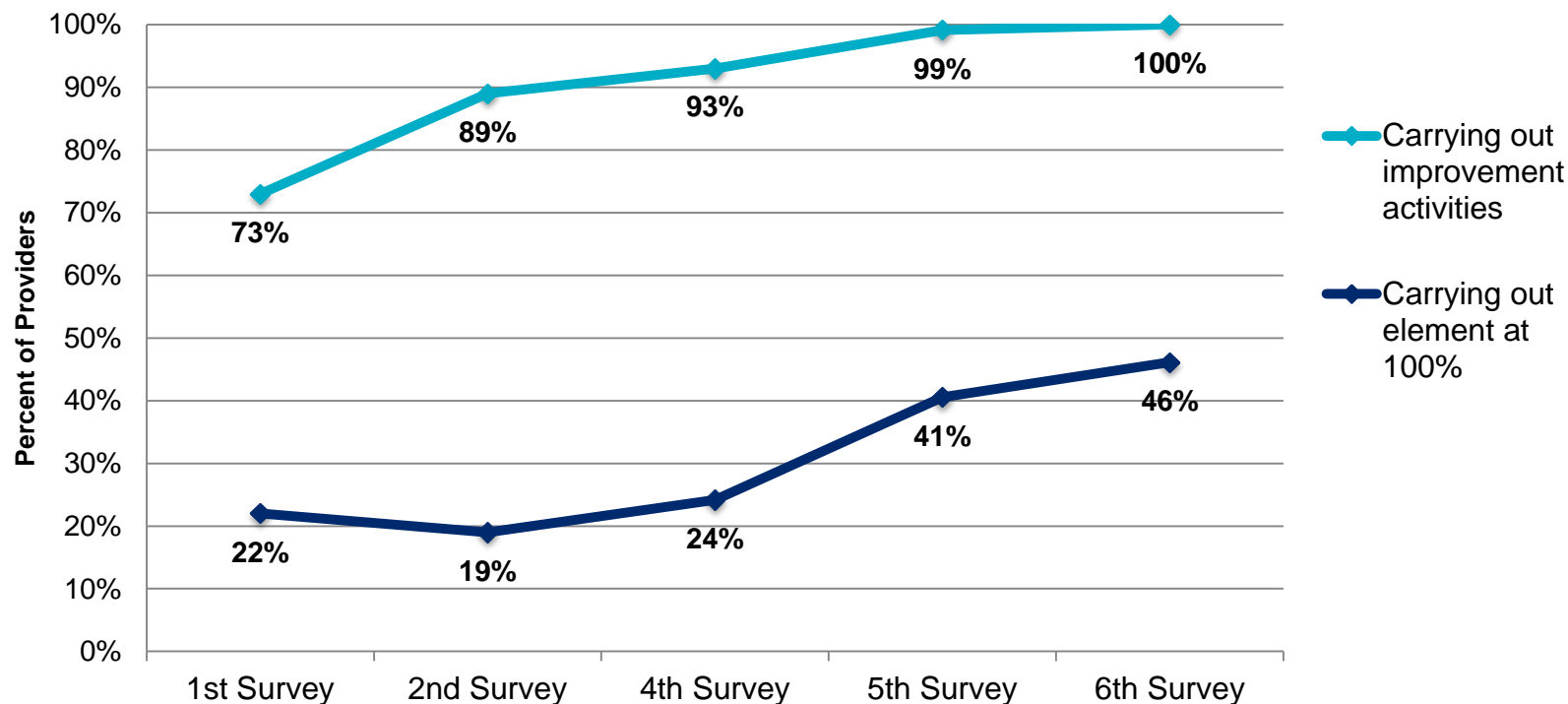
## Element 3: Raising Awareness Of Reduced Fetal Movement

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





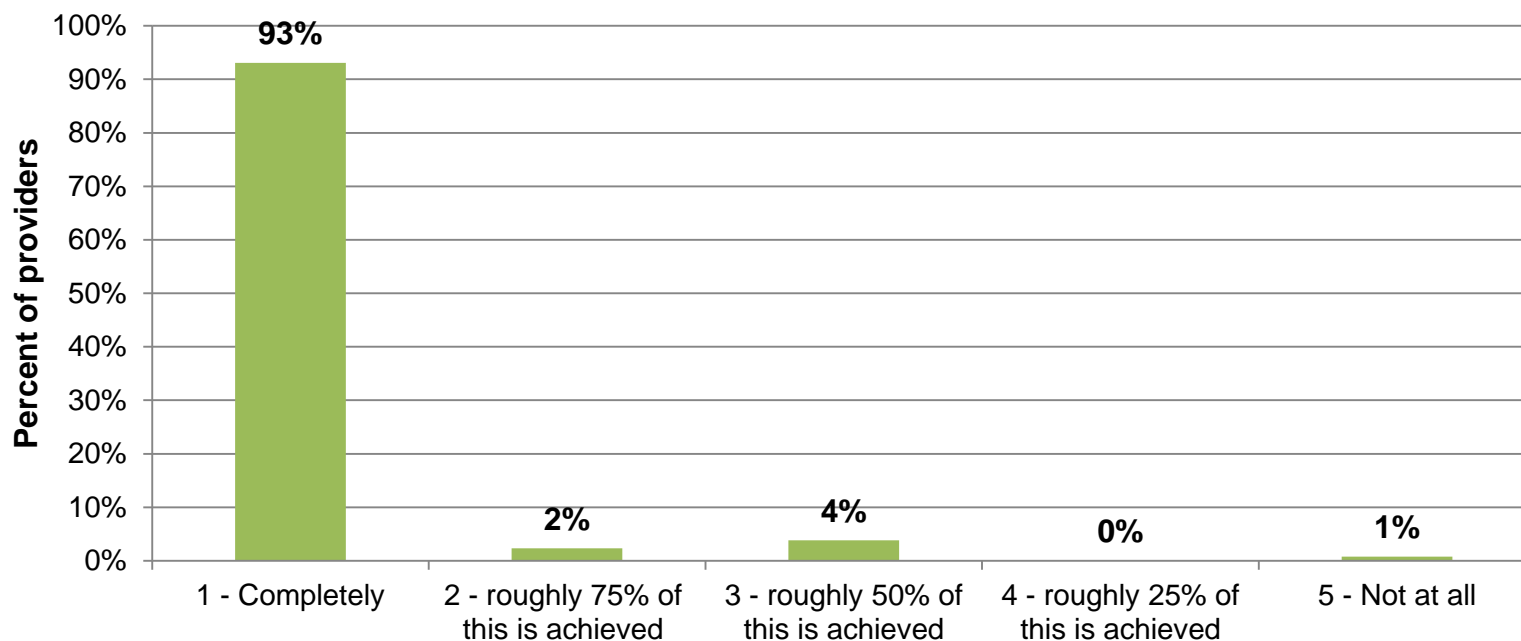
# Providers carrying out improvement activities for element 3 has increased by 24 percentage points since the 1<sup>st</sup> survey



- All 130 responding providers are carrying out improvement activities to raise awareness of RFM.
- 46% of providers are doing so at 100% in accordance with the Care Bundle, which is an increase of 5% since the fifth survey.

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

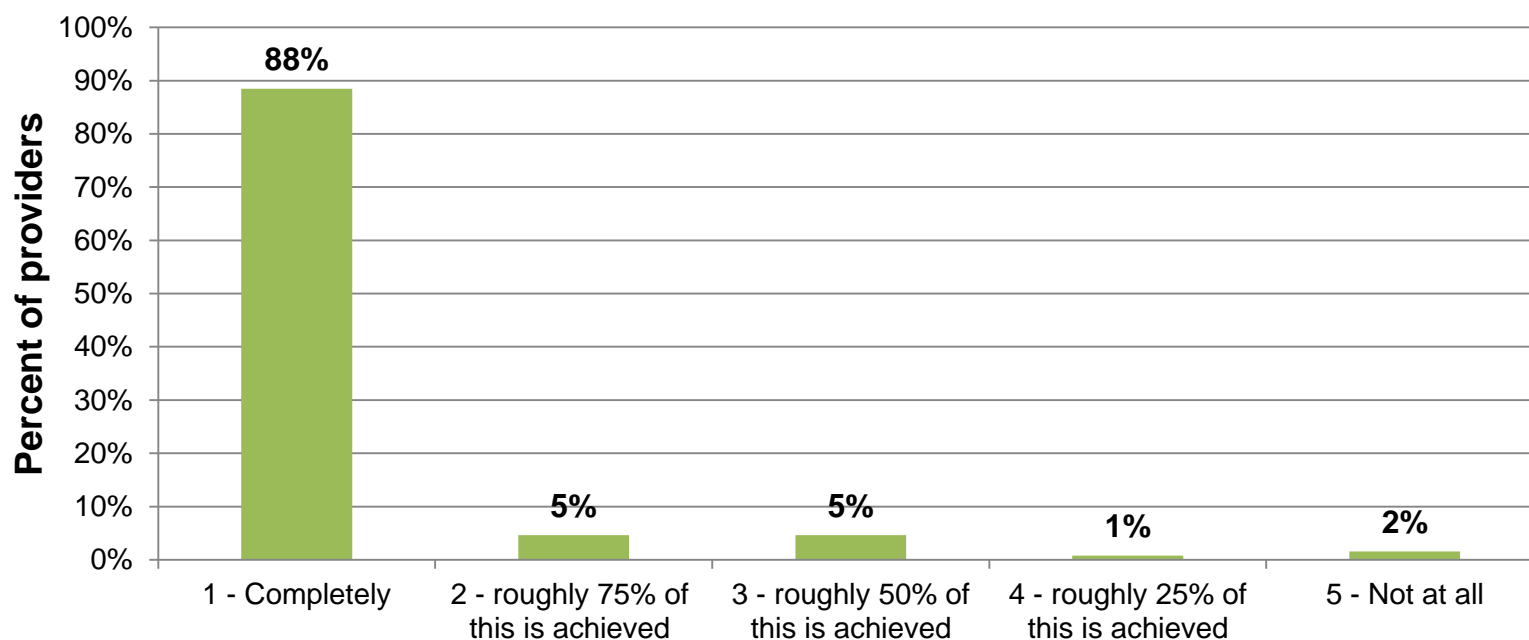
**Activity 8: Providing pregnant mothers with information and an advice leaflet on reduced fetal movement**



- This activity has the highest number of providers implementing at 100% out of all the activities across all elements of the care bundle.
- 93% of providers reported carrying out this activity completely, which is 6% higher than the fifth survey and 26% higher than the fourth survey.

# 88% of providers are implementing this activity at 100%

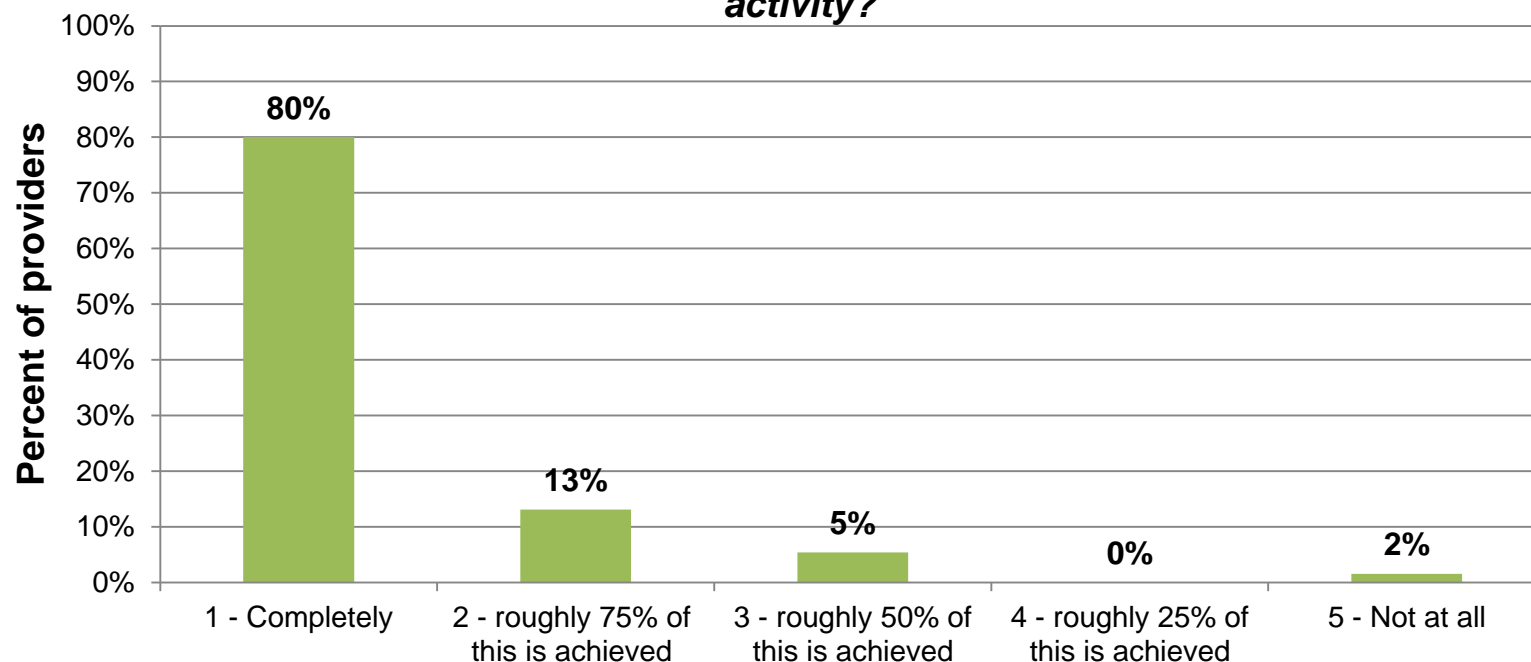
**Activity 9a: Giving pregnant mothers RFM information by 24 weeks of pregnancy at the latest?**



- 88% of providers are implementing this activity at 100%, which has increased from 81% in the previous survey.
- Providers that responded “Not at all” commented that they are currently processing RFM information and intend to start this activity very soon.

# 80% of providers are implementing this activity at 100%

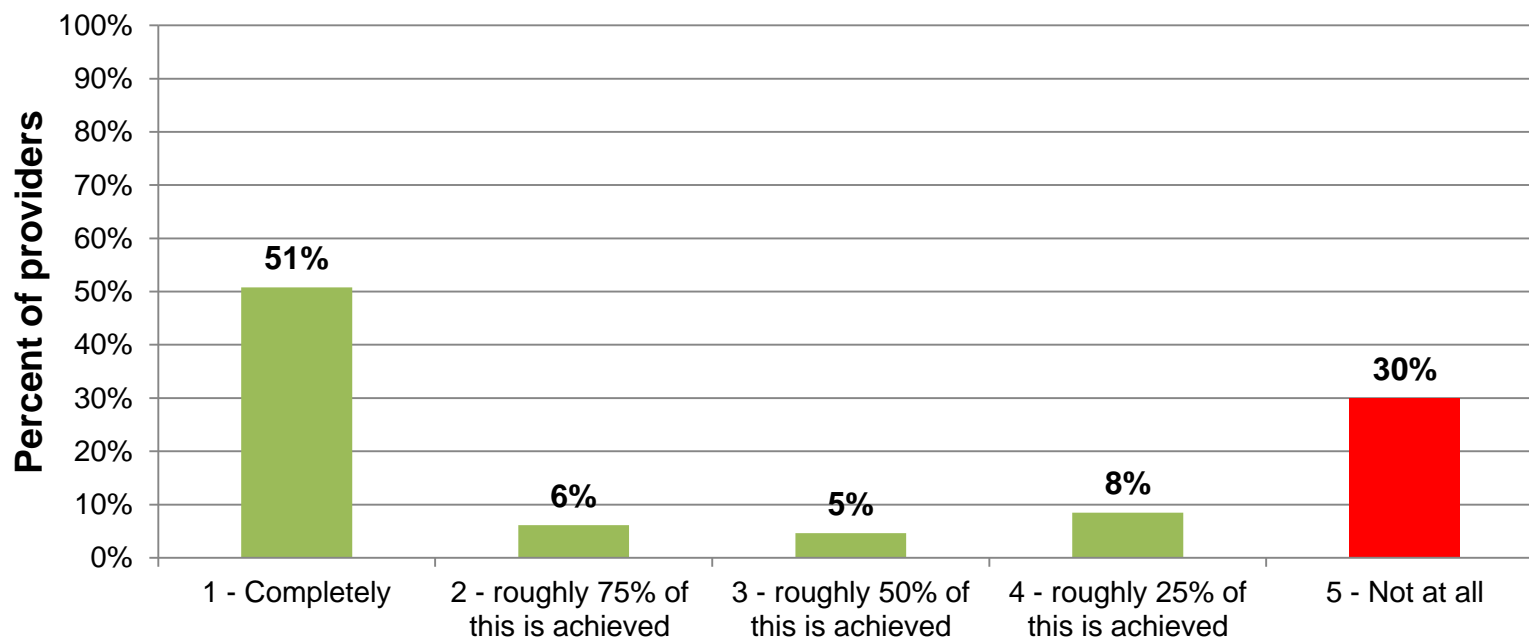
**Activity 9b: Discussing RFM with pregnant mothers at every subsequent contact? If so to what extent have you implemented this improvement activity?**



- 80% of providers are implementing this activity at 100%, which has increased from 77% in the previous survey.
- Activity 9 was split into two questions as a result of feedback from providers and has resulted in much higher responses for both parts of the question.

# 30% of providers reported that they 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**



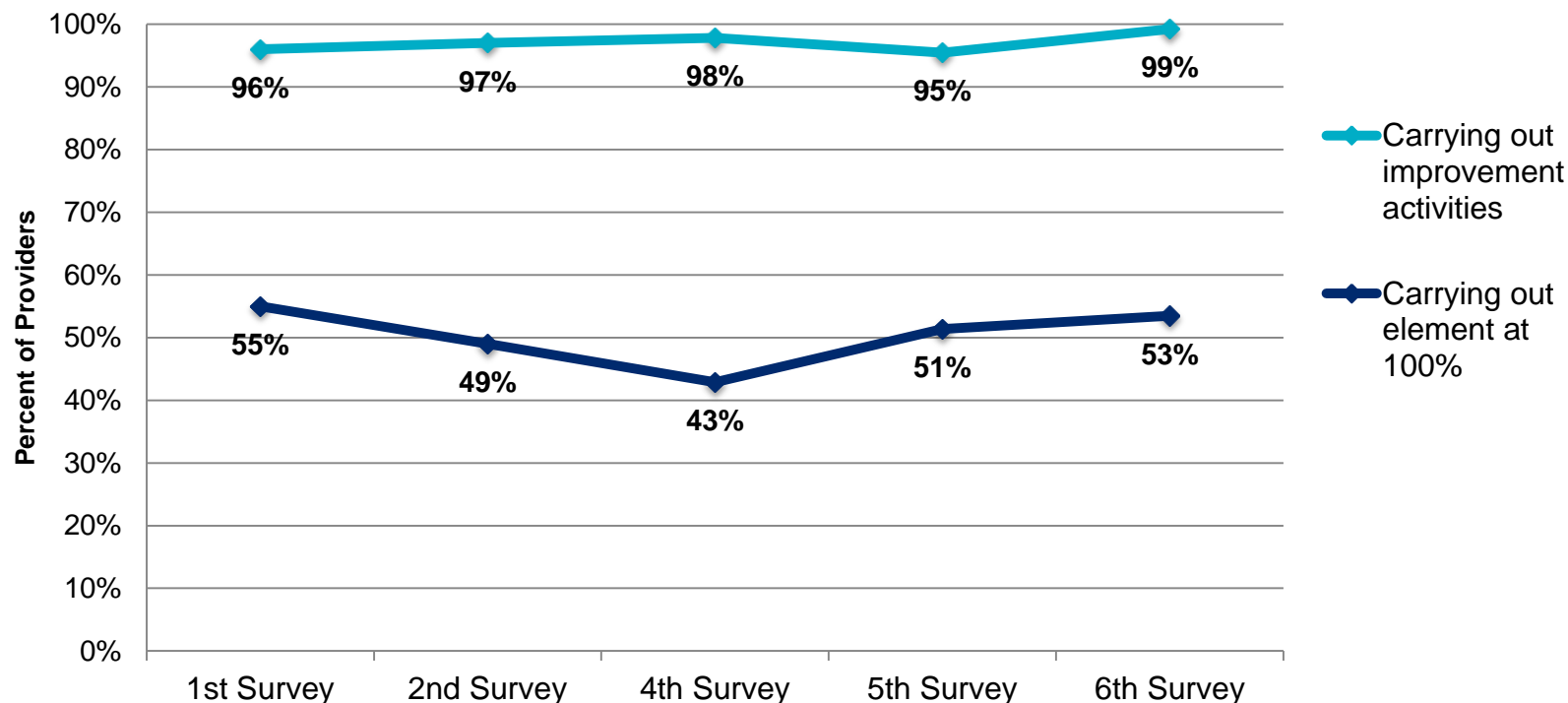
- This activity has the highest percentage of providers responding “Not at all” for any activity across all elements. However, this has decreased from 33% in the fifth survey to 30%.
- Some providers have deemed a checklist unnecessary as they have found that their current RFM guidelines and promotional materials are adequate.

# Element 4: Effective Fetal Monitoring During Labour

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



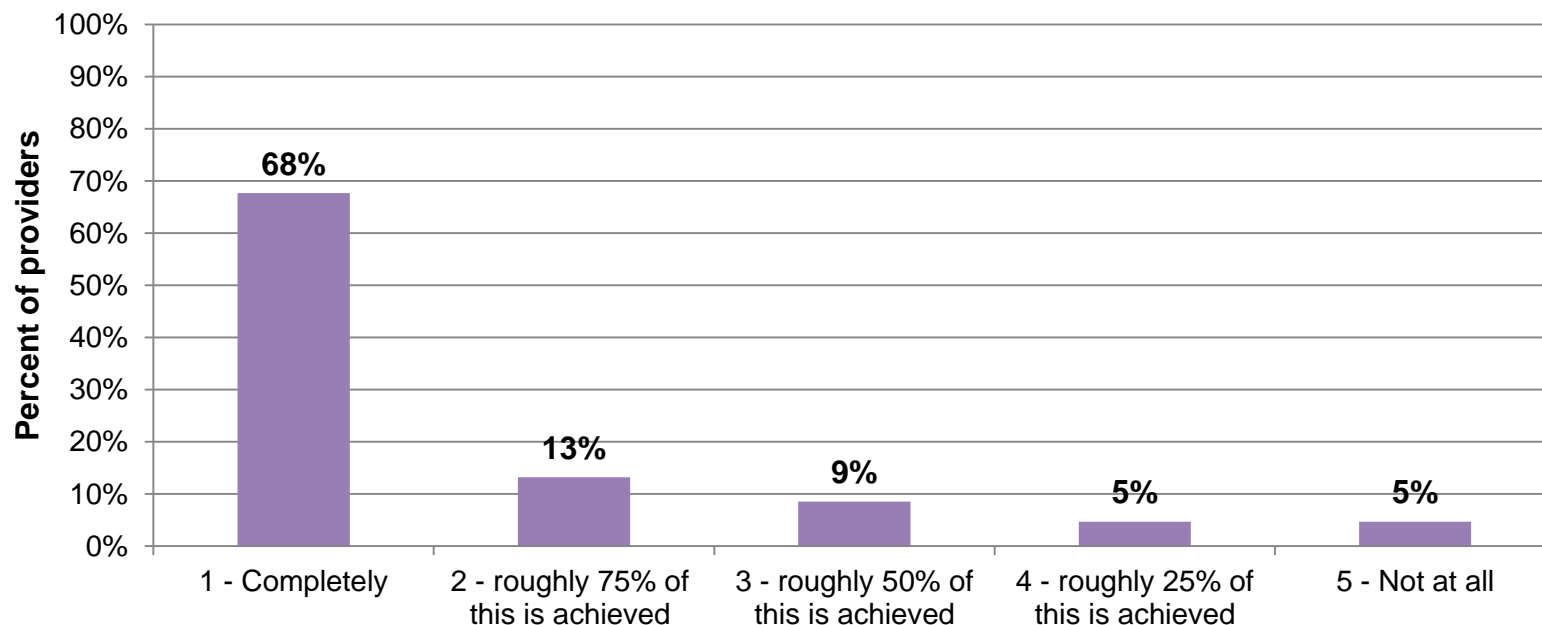
## The proportion of providers carrying out activities to increase the effectiveness of fetal monitoring during labour has remained high over all surveys



- 99% of providers are carrying out improvement activities to increase the effectiveness of fetal monitoring during labour, and 53% of providers are doing so at 100%.
- There has been a slight increase in the proportion of providers carrying out improvement activities and implementing the element at 100% since the previous survey.

# 68% of providers are implementing this activity at 100%

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

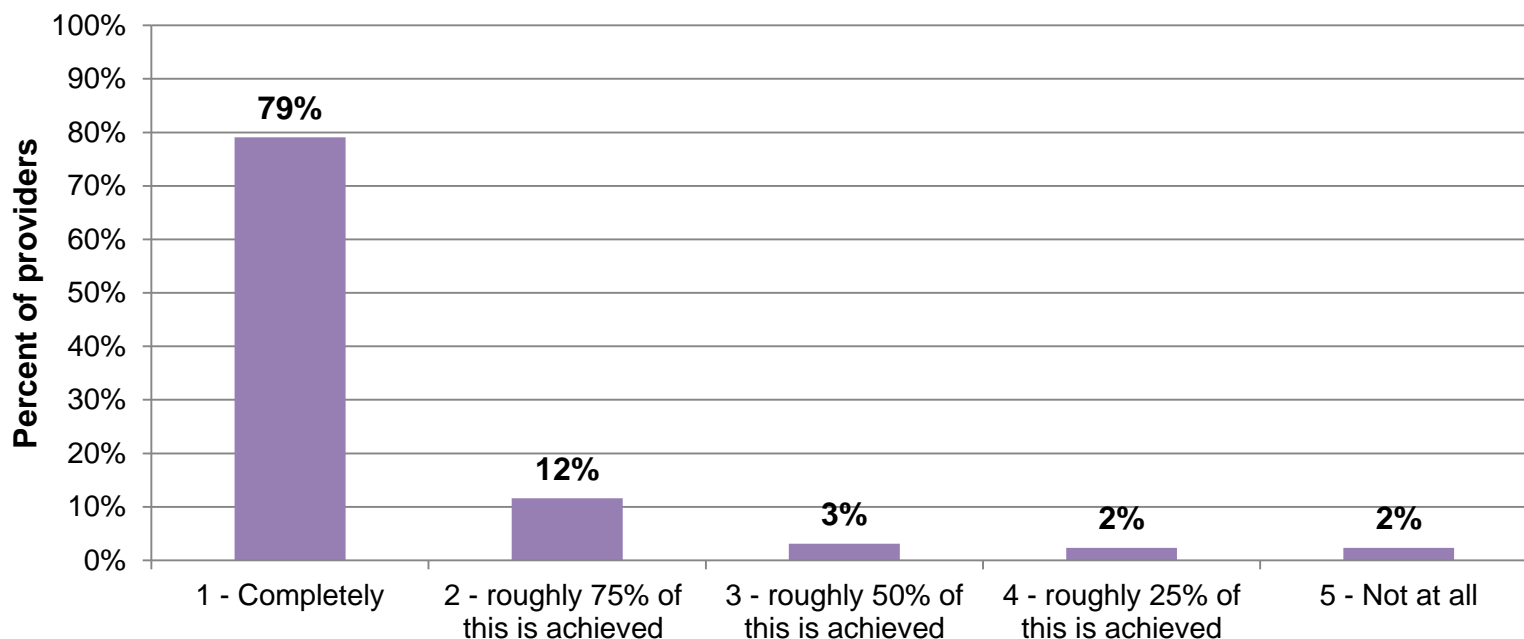


- The percentage of providers carrying out this activity at 100% has increased since the fourth survey where 62% of providers reported carrying out this activity at 100%.
- Providers that answered “Not at all” to carrying out annual CTG training has remained the same as reported in the previous survey.



# 79% of providers are implementing this activity at 100%

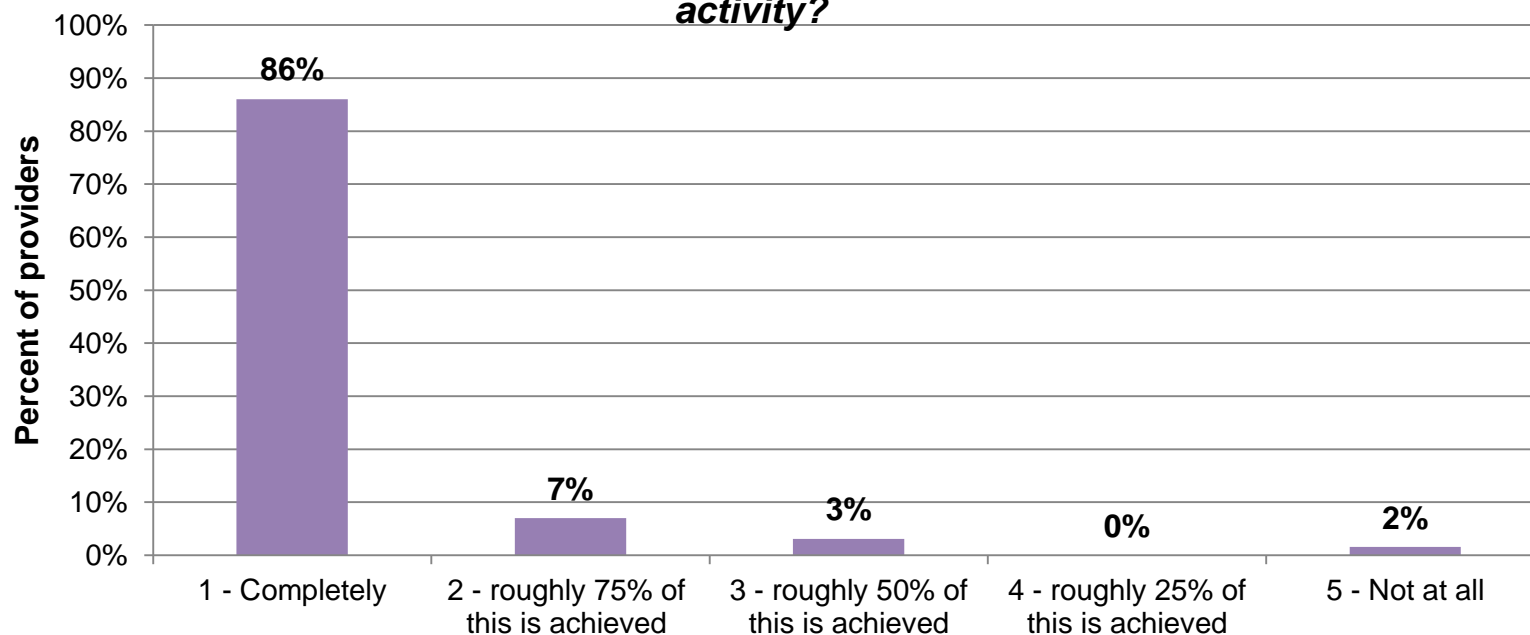
**Activity 12: Use of a fresh eyes/buddy system to review CTG interpretation/ intermittent auscultation**



- The percentage of providers carrying out this activity at 100% has increased slightly since the fifth survey where 77% of providers reported carrying out this activity at 100%.
- Only 2% of providers answered “Not at all” to carrying out this activity, this remains the same as the fourth and fifth survey results.

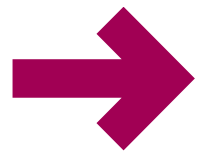
# 86% of providers are implementing this activity at 100%

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

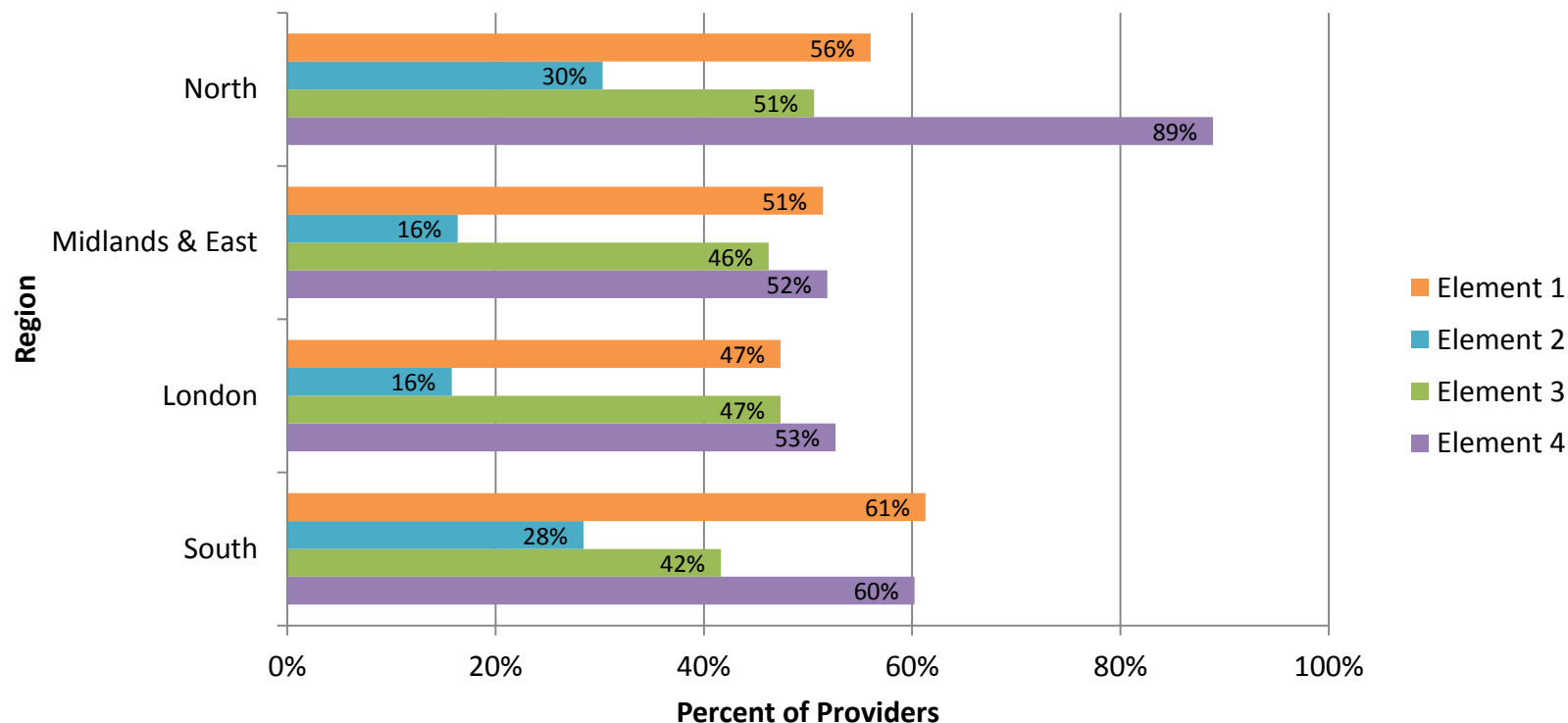


- This activity scored the highest in terms of providers at 100% for element 4, suggesting a high level of compliance across the system for this aspect of the Care Bundle. However, the score remains similar to the fourth and fifth survey where 85% of providers reported implementing this activity 'Completely'.

# Regional Level Summary and Maps

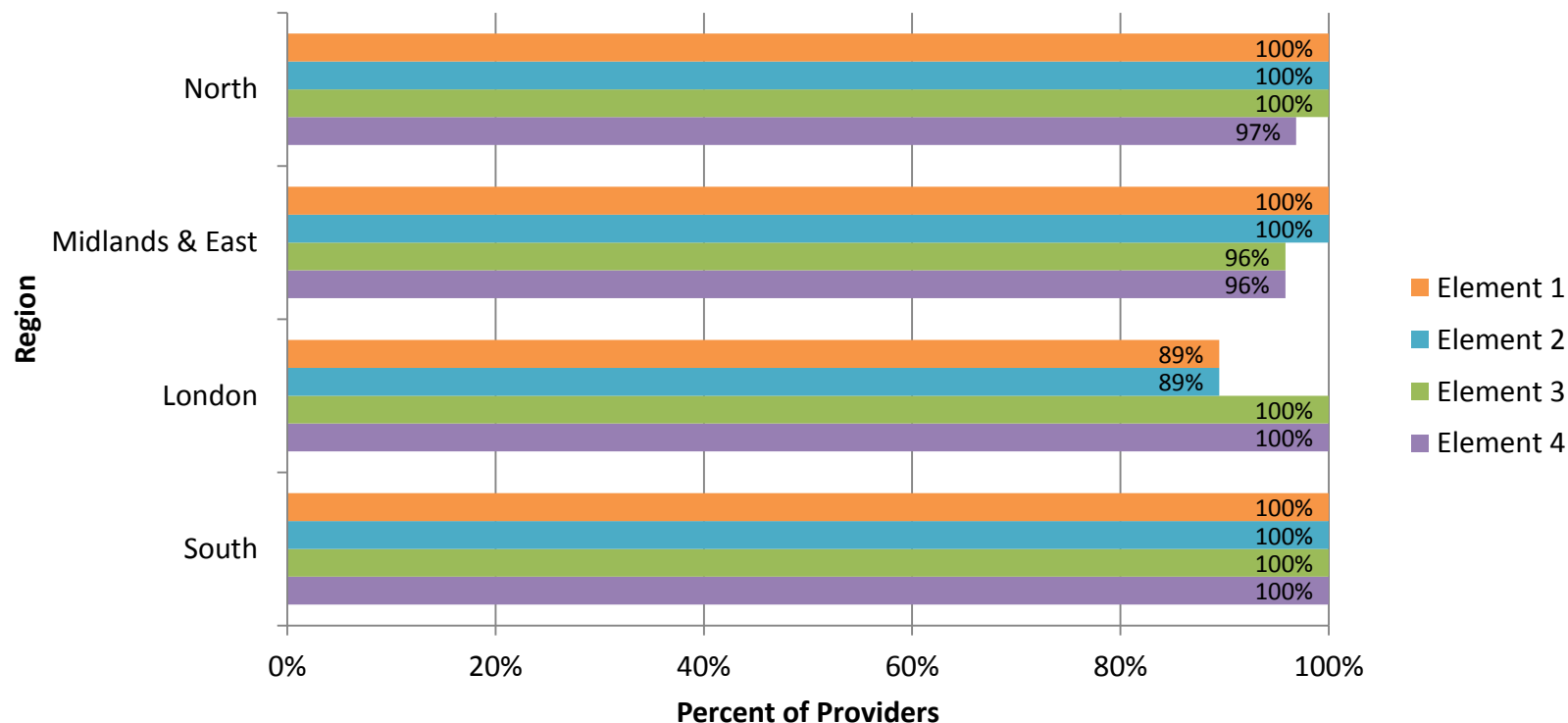


# There is regional variation in the number of providers fully implementing each of the elements



Similarly to the national summary, the regional breakdown shows that more providers are implementing element 1 and 4, and less providers are implementing element 2 at 100%. The regional breakdown shows less variation between providers implementing each of the care bundle elements at 100% across the four regions compared to previous surveys.

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



All providers across all regions are carrying out improvement activities associated with at least two elements of the care bundle. The South report that 100% of providers in the region are carrying out improvement activities associated with all elements of the care bundle.

# NHS Region Results

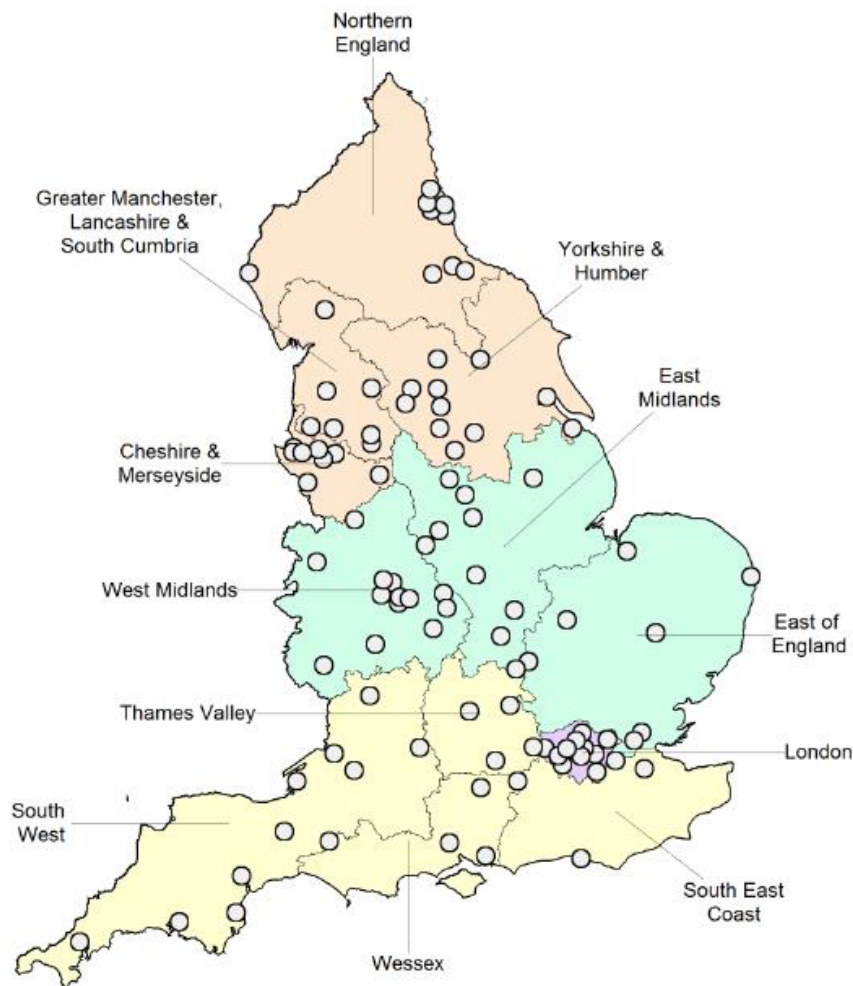
 **North:**  
42 Responses

 **Midlands and East:**  
37 Responses

 **London:**  
19 Responses

 **South:**  
32 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 a greater number of responses from providers across all four regions than we have received during any previous survey (130/136).**
- 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.

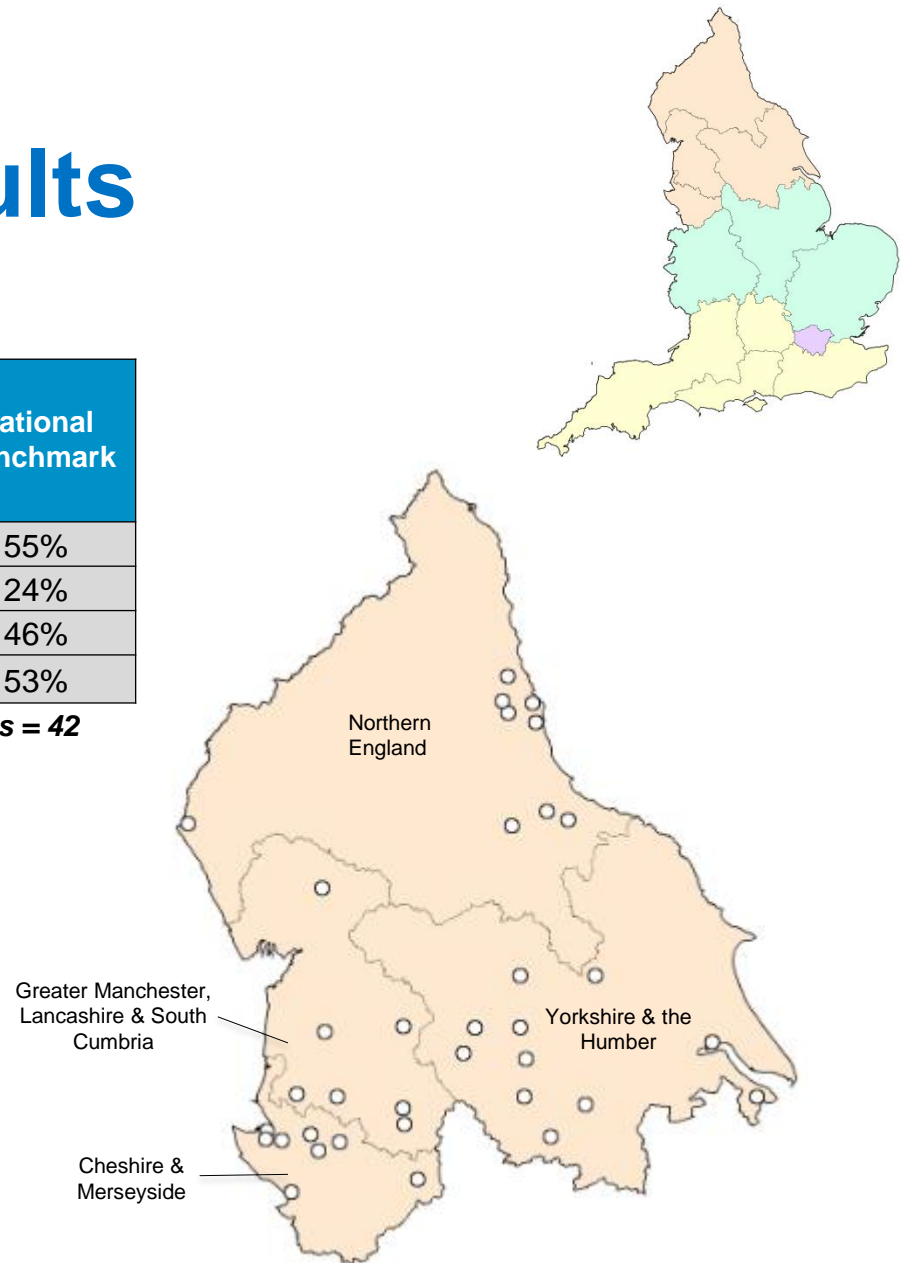


# North Region Results

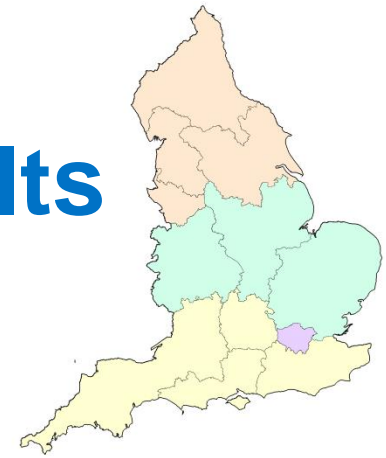
|           | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------|---|--------------------|-------------------|--------------------|
| Element 1 | 100%  | 98%                | 56%               | 55%                |
| Element 2 | 100%  | 98%                | 30%               | 24%                |
| Element 3 | 100%  | 100%               | 51%               | 46%                |
| Element 4 | 97%   | 99%                | 53%               | 53%                |

**Number of responses = 42**

- The figures above show % of providers carrying out improvement activities and the % of providers at 100% for each element alongside a national benchmark.
- Providers in the North region scored higher than or the same as the national benchmark 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%                | 51%               | 55%                |
| Element 2 | 100%  | 98%                | 16%               | 24%                |
| Element 3 | 96%   | 100%               | 46%               | 46%                |
| Element 4 | 96%   | 99%                | 52%               | 53%                |

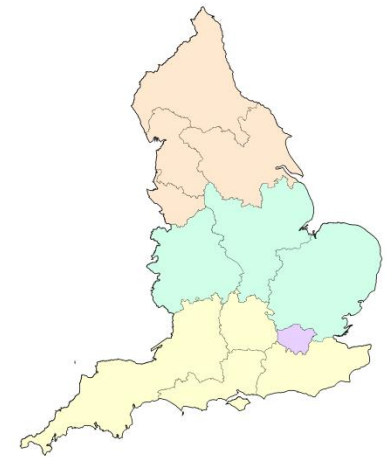
**Number of responses = 37**

- The figures above show % of providers carrying out improvement activities and the % of providers at 100% for each element alongside a national benchmark.
- Providers in the Midlands and East region scored higher than the national benchmark for carrying out improvement activities associated with element 1 and element 2.
- 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%                | 47%               | 55%                |
| Element 2 | 89%   | 98%                | 16%               | 24%                |
| Element 3 | 100%  | 100%               | 47%               | 46%                |
| Element 4 | 100%  | 99%                | 53%               | 53%                |

**Number of responses = 19**

- The figures above show % of providers carrying out improvement activities and the % of providers at 100% for each element alongside a national benchmark.
- Providers in the London region met the national benchmark for carrying out improvement activities associated with element 3 and 4, and for implementing these elements at 100%.
- The white dots on the map represent maternity providers within the region.



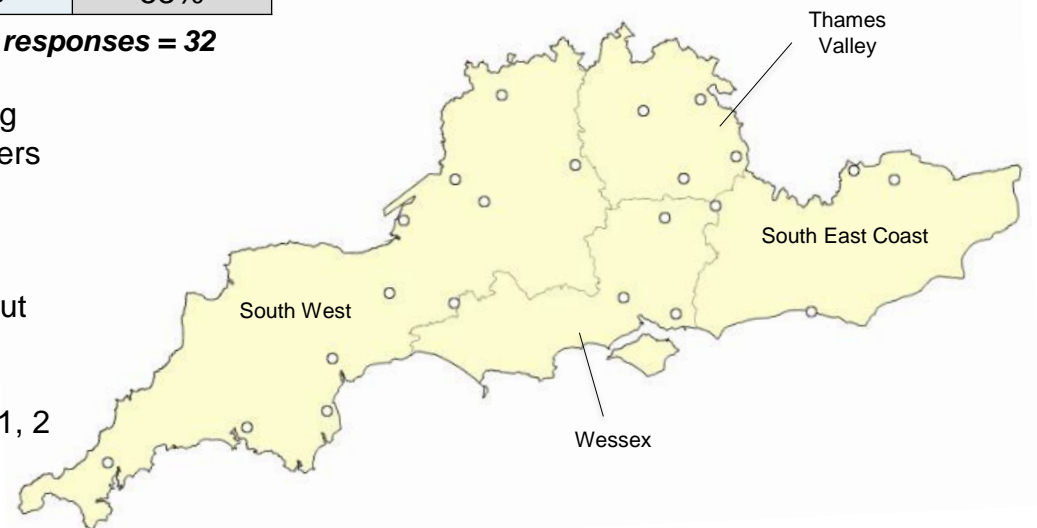
# South Region Results



|           | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------|---|--------------------|-------------------|--------------------|
| Element 1 | 100%  | 98%                | 61%               | 55%                |
| Element 2 | 100%  | 98%                | 28%               | 24%                |
| Element 3 | 100%  | 100%               | 42%               | 46%                |
| Element 4 | 100%  | 99%                | 60%               | 53%                |

**Number of responses = 32**

- The figures above show % of providers carrying out improvement activities and the % of providers at 100% for each element alongside a national benchmark.
- All providers in the South region are carrying out improvement activities associated with each element. Providers in the 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%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 33%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 56%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 89%               | 53%                |
| All elements                      | 100%  | 95%                | 0%                | 8%                 |

*Number of Responses = 9*

- All providers are carrying out some improvement activities for all elements of the care bundle.
- All providers are implementing at least one of the care bundle elements at 100%.
- Providers in Northern England are above 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 three providers 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%                | 58%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 17%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 58%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 27%               | 53%                |
| All elements                      | 100%  | 95%                | 8%                | 8%                 |

*Number of Responses = 12*

- All providers are carrying out some improvement activities for each element of the Care Bundle.
- One provider is fully implementing all activities for all elements of the care bundle at 100%, and 8 providers are fully implementing at least one element at 100%.
- Element 1 appears to be implemented the most with 7 providers fully implementing all improvement activities associated with this element.
- Element 2 appears to be implemented the least with only two providers fully implementing all improvement activities associated with this element.

# Yorkshire & the Humber

|                                   | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------------------------------|---|--------------------|-------------------|--------------------|
| Element 1: Smoking in pregnancy   | 100%  | 98%                | 62%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 46%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 38%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 69%               | 53%                |
| All elements                      | 100%  | 95%                | 23%               | 8%                 |

*Number of Responses = 13*

- All providers continue to carry out improvement activities for each element of the Care Bundle
- Three providers are fully implementing all activities for all elements of the care bundle at 100%, this is the highest adherence across a Clinical Network to date.
- Yorkshire and the Humber providers are above the national benchmark for implementing element 1, element 2 and element 4 at 100%.
- All providers 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   | 88%   | 98%                | 38%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 25%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 50%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 25%               | 53%                |
| All elements                      | 88%   | 95%                | 0%                | 8%                 |

*Number of Responses = 8*

- 7 providers are fully implementing all activities associated with at least one element at 100%.
- Providers are above the national benchmark for carrying out improvement activities associated with element 2, element 3 and element 4; and for implementing elements 2 and 3 at 100%.
- One provider is not carrying out any activities associated with element 1 and has no future plans to implement this element.
- Element 4 appears to be implemented the least. However, all 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%                | 50%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 0%                | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 63%               | 46%                |
| Element 4: CTG monitoring         | 88%   | 99%                | 38%               | 53%                |
| All elements                      | 88%   | 95%                | 0%                | 8%                 |

*Number of Responses = 8*

- All providers are carrying out improvement activities for element 1, element 2 and element 3 of the Care Bundle.
- One provider is not carrying out any activity associated with element 4, however, they plan to implement this activity in the future.
- East Midlands are above the benchmark for implementing element 3 at 100%.
- Element 2 appears to be implemented the least. However, all providers are implementing some activities associated with element 2 at 50% or more.



# West Midlands

|                                   | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------------------------------|---|--------------------|-------------------|--------------------|
| Element 1: Smoking in pregnancy   | 100%  | 98%                | 64%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 36%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 43%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 71%               | 53%                |
| All elements                      | 100%  | 95%                | 21%               | 8%                 |

*Number of Responses = 14*

- All providers are carrying out some improvement activities for all elements of the Care Bundle.
- Three providers are fully implementing all activities for all elements of the care bundle at 100%, this is the highest adherence across a Clinical Network to date.
- West Midlands providers are above the national benchmark for carrying out improvement activities associated with all elements of the care bundle and for implementing element 1, element 2 and element 4 at 100%.

# East of England

|                                   | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------------------------------|---|--------------------|-------------------|--------------------|
| Element 1: Smoking in pregnancy   | 100%  | 98%                | 40%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 13%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 33%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 60%               | 53%                |
| All elements                      | 100%  | 95%                | 0%                | 8%                 |

*Number of Responses = 15*

- All providers are carrying out improvement activities for all elements of the Care Bundle.
- Providers are above the national benchmark for carrying out improvement activities associated with all elements and for implementing element 4 at 100%.
- 13 providers are fully implementing all activities associated with at least one element at 100%.
- Element 2 appears to be implemented the least with two 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%                | 47%               | 55%                |
| Element 2: Detecting FGR          | 89%   | 98%                | 16%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 47%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 53%               | 53%                |
| All elements                      | 79%   | 95%                | 0%                | 8%                 |

*Number of Responses = 19*

- 15 providers are carrying out improvement activities for all elements of the Care Bundle.
- Three of the providers who are not implementing activities associated with an element intend to do so within the next 3 to 12 months. One provider has no current implementation plans.
- 18 providers are implementing at least one element of the care bundle at 100%.
- Providers are above the national benchmark for carrying out improvement activities associated with elements 3 and 4 at 100%.

# Thames Valley

|                                   | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------------------------------|---|--------------------|-------------------|--------------------|
| Element 1: Smoking in pregnancy   | 100%  | 98%                | 67%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 33%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 33%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 100%              | 53%                |
| All elements                      | 100%  | 95%                | 0%                | 8%                 |

*Number of Responses = 3*

- All providers are carrying out some improvement activities for all elements of the Care Bundle.
- All providers are fully implementing all activities associated with at least one element at 100%.
- Providers are above the national benchmark for carrying out improvement activities associated with all elements and for implementing element 1, element 2 and element 4 at 100%.
- All providers are carrying out element 4 at 100%, the same as reported in the fifth survey. This suggests that element 4 is now fully implemented in Thames Valley SCN.

# South East Coast

|                                   | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------------------------------|---|--------------------|-------------------|--------------------|
| Element 1: Smoking in pregnancy   | 100%  | 98%                | 77%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 15%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 54%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 62%               | 53%                |
| All elements                      | 100%  | 95%                | 11%               | 8%                 |

*Number of Responses = 9*

- All providers are carrying out some improvement activities for each element of the Care Bundle.
- Providers are above the national benchmark for carrying out improvement activities associated with all elements of the care bundle and for implementing elements 1, 3 and 4 at 100%.
- One provider is fully implementing all activities associated with all elements of the care bundle at 100%.
- Element 2 appears to be implemented the least with two South East Coast providers fully implementing this element.

# South West

|                                   | Providers carrying out improvement activities | National Benchmark | Providers at 100% | National Benchmark |
|-----------------------------------|---|--------------------|-------------------|--------------------|
| Element 1: Smoking in pregnancy   | 100%  | 98%                | 77%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 15%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 54%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 62%               | 53%                |
| All elements                      | 100%  | 95%                | 15%               | 8%                 |

*Number of Responses = 13*

- All providers are carrying out improvement activities for all elements of the Care Bundle.
- Two providers are fully implementing all activities associated with all elements of the care bundle at 100%.
- Providers are above the national benchmark for carrying out improvement activities associated with all elements and for implementing element 1, element 3 and element 4 at 100%.
- Element 2 appears to be implemented the least with two 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%                | 57%               | 55%                |
| Element 2: Detecting FGR          | 100%  | 98%                | 43%               | 24%                |
| Element 3: Reduced fetal movement | 100%  | 100%               | 57%               | 46%                |
| Element 4: CTG monitoring         | 100%  | 99%                | 57%               | 53%                |
| All elements                      | 100%  | 95%                | 14%               | 8%                 |

*Number of Responses = 7*

- All providers are carrying out improvement activities across all elements of the Care Bundle.
- Six providers are implementing at least one element of the care bundle at 100%.
- Providers in Wessex are above the national benchmark for carrying out improvement activities associated with all elements and for implementing each element at 100%.
- One 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.**