

Supplementary Material

Table 1. Number of women undergoing IOL by parity

| Parity | Confirmed inductions (population 2)N (%) |
|--------|--|
| 0      | 9,395 (53.6)                             |
| 1      | 4,658 (26.6)                             |
| 2      | 2,099 (12.0)                             |
| 3+     | 1,378 (7.9)                              |
| Total  | 17,530 (100)                             |

Table 2: Number of women undergoing IOL by gestational age at induction

| Gestational age at induction | Confirmed inductions(population 2)<br>N (%) |
|------------------------------|---|
| 37 weeks                     | 2,297 (13.1)                                |
| 38 weeks                     | 3,548 (20.2)                                |
| 39 weeks                     | 5,221 (29.8)                                |
| 40 weeks                     | 3,441 (19.6)                                |
| 41 weeks                     | 2,867 (16.4)                                |
| 42+ weeks                    | 156 (0.9)                                   |
| Total                        | 17,530 (100)                                |

Table 3: Number of women undergoing IOL by setting

| IOL type   | Confirmed inductions(population 2) N (%) |
|--|--|
| <b>In-hospital cervical ripening only</b>            | 5,684 (32.4)                             |
| <b>Home cervical ripening</b>                        | 801 (4.6)                                |
| <b>In-hospital cervical ripening, mixed hospital</b> | 10,995 (62.7)                            |
| <b>Unable to determine</b>                           | 50 (0.3)                                 |
| <b>Total</b>   | 17,530 (100)                             |

Table 4. Method of first induction by Hospital/NHS Trust, confirmed inductions

| <b>Hospital/Trust</b>                                     | <b>Cervical balloon<br/>n (%)</b> | <b>Cervical dilator<br/>n(%)</b> | <b>Missing<br/>n (%)</b> | <b>Non-ripening<br/>methods<br/>n (%)</b> | <b>Prostaglandins<br/>n (%)</b> |
|---|-----------------------------------|----------------------------------|--------------------------|---|---------------------------------|
| NHS Borders   | 89 (52.4)                         | <5                               |                          | 49 (28.8)                                 | 31 (18.2)                       |
| NHS Fife  | 6 (0.8)                           |                                  | 6 (0.8)                  | 113 (14.9)                                | 631 (83.5)                      |
| NHS Grampian  | 381 (50.2)                        |                                  |                          | 268 (35.3)                                | 110 (14.5)                      |
| NHS Highland  |                                   |                                  | 5 (1.1)                  | 120 (26.0)                                | 337 (72.9)                      |
| NHS Lanarkshire   | 11 (1.0)                          |                                  | 23 (2.2)                 | 214 (20.4)                                | 802 (76.4)                      |
| NHS Tayside   | 234 (31.1)                        |                                  | 30 (4.0)                 | 408 (54.2)                                | 81 (10.8)                       |
| Ashford and St. Peter's Hospital<br>Maternity             | 53 (6.2)                          |                                  | <5                       | 93 (10.9)                                 | 705 (82.7)                      |
| Birmingham Women's and<br>Children's NHS Foundation Trust | <5                                |                                  | 90 (3.4)                 | 243 (9.1)                                 | 2,330 (87.5)                    |
| Darlington Memorial Hospital                              | 28 (19.6)                         |                                  | <5                       | 52 (36.4)                                 | 62 (43.4)                       |
| University Hospital Of North<br>Durham (Maternity)        | 74 (45.1)                         |                                  |                          | 85 (51.8)                                 | 5 (3.0)                         |
| Dorset County Hospital                                    | 19 (4.9)                          |                                  | <5                       | 96 (24.8)                                 | 270 (69.8)                      |
| Epsom General (Maternity)                                 | 106 (16.2)                        |                                  | 93 (14.2)                | 287 (44.0)                                | 167 (25.6)                      |
| St Helier (Maternity)                                     | 173 (21.8)                        | <5                               | 70 (8.8)                 | 238 (30.0)                                | 310 (39.1)                      |
| Hereford County Maternity                                 |                                   |                                  |                          | 80 (13.7)                                 | 505 (86.3)                      |
| Princess Royal University Hospital                        |                                   |                                  |                          | <5  | 141 (99.3)                      |
| Denmark Hill Maternity                                    |                                   |                                  |                          | 35 (21.9)                                 | 125 (78.1)                      |
| Royal Preston Hospital                                    |                                   |                                  | 26 (2.4)                 | 149 (13.9)                                | 895 (83.6)                      |

|   |             |          |            |              |               |
|---|-------------|----------|------------|--------------|---------------|
| Cumberland Infirmary (Maternity)                  | <5          |          | <5         | 139 (32.0)   | 291 (66.9)    |
| West Cumberland Hospital (Mat)                    | <5          |          | 11 (5.8)   | 110 (57.6)   | 66 (34.6)     |
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | <5          | 51 (5.1) | 2 (0.2)    | 206 (20.4)   | 749 (74.2)    |
| Warwick Hospital                                  |             | 7 (1.2)  | 19 (3.1)   | 137 (22.5)   | 445 (73.2)    |
| Queen Elizabeth Maternity<br>Kings Lynn           | 25 (4.5)    |          |            | 131 (23.5)   | 402 (72.0)    |
| New Cross Maternity Hospital                      |             | <5       | 8 (0.6)    | 156 (11.3)   | 1,215 (88.0)  |
| Manor Hospital Walsall                            |             |          | 12 (5.4)   | 28 (12.5)    | 184 (82.1)    |
| Worcestershire Royal<br>Maternity Hospital        | <5          |          | 204 (13.1) | 266 (17.0)   | 1,089 (69.8)  |
| Total   | 1,211 (6.9) | 62 (0.4) | 604 (3.4)  | 3,705 (21.1) | 11,948 (68.2) |

Table 5: Median and IQR number of induction attempts by site

| Hospital or NHS Trust                                  | Confirmed inductions(population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|--|--|--|--|--|
| NHS Borders  | 1 (1, 2), n=170                                    | 2 (2, 2), n=33   |  | 1 (1, 2), n=30   |
| NHS Fife   | 2 (1, 2), n=756                                    |  | 2 (1, 3), n=631  |  |
| NHS Grampian   | 2 (1, 2), n=759                                    | 2 (2, 2), n=235  |  | 2 (1, 3), n=104  |
| NHS Highland   | 1 (1, 2), n=462                                    |  |  | 2 (1, 3), n=334  |
| NHS Lanarkshire  | 2 (1, 3), n=1050                                   | 2 (1, 2), n=5  |  | 2 (2, 3), n=794  |
| NHS Tayside  | 1 (1, 2), n=753                                    | 2 (1, 2), n=181  |  | 1 (1, 2), n=81   |
| Ashford and St. Peter's Hospital Maternity             | 1 (1, 2), n=852                                    |  |  | 1 (1, 2), n=618  |
| Birmingham Women's and Children's NHS Foundation Trust | 1 (1, 2), n=2664                                   |  |  | 2 (1, 2), n=2286   |
| Darlington Memorial Hospital                           | 2 (1, 2), n=143                                    | 2 (2, 2), n=11   |  | 2 (1, 2), n=62   |
| University Hospital Of North Durham                    | 1 (1, 2), n=164                                    | 2 (1, 2), n=43   |  | 2 (1, 2), n=5  |

(Maternity)

|  |                  |                |                 |                 |
|--|------------------|----------------|-----------------|-----------------|
| Dorset County Hospital                               | 2 (1, 2), n=387  |                | 2 (1, 2), n=270 |                 |
| Epsom General<br>(Maternity)                         | 1 (1, 2), n=653  | 2 (1, 3), n=<5 |                 | 1 (1, 2), n=165 |
| St Helier (Maternity)                                | 1 (1, 2), n=793  | 3 (2, 3), n=<5 |                 | 2 (1, 2), n=309 |
| Hereford County<br>Maternity                         | 2 (1, 2), n=585  |                |                 | 2 (1, 3), n=495 |
| Princess Royal<br>University Hospital                | 1 (1, 1), n=142  |                | 1 (1, 1), n=141 |                 |
| Denmark Hill Maternity                               | 1 (1, 1), n=160  |                |                 | 1 (1, 2), n=116 |
| Royal Preston Hospital                               | 2 (1, 2), n=1070 |                |                 | 2 (1, 2), n=863 |
| Cumberland Infirmary<br>(Maternity)                  | 1 (1, 2), n=435  |                | 2 (1, 2), n=291 |                 |
| West Cumberland<br>Hospital (Mat)                    | 1 (1, 1), n=191  |                | 1 (1, 2), n=66  |                 |
| Queen Elizabeth<br>Hospital Gateshead<br>(Maternity) | 2 (1, 3), n=1009 |                |                 | 2 (2, 3), n=743 |
| Warwick Hospital                                     | 1 (1, 2), n=608  |                | 1 (1, 2), n=445 |                 |
| Queen Elizabeth<br>Maternity Kings Lynn              | 1 (1, 2), n=558  |                |                 | 1 (1, 2), n=392 |

|  |                   |                 |                  |                  |
|--|-------------------|-----------------|------------------|------------------|
| New Cross Maternity<br>Hospital            | 2 (1, 3), n=1380  |                 | 2 (1, 3), n=1215 |                  |
| Manor Hospital Walsall                     | 2 (1, 2), n=224   |                 | 2 (1, 3), n=184  |                  |
| Worcestershire Royal<br>Maternity Hospital | 1 (1, 2), n=1561  |                 | 2 (1, 2), n=1089 |                  |
| Total                                      | 1 (1, 2), n=17530 | 2 (1, 2), n=515 | 2 (1, 2), n=4332 | 2 (1, 3), n=7397 |

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Table 6: Median and IQR of number of induction attempts by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--------|--|---|---|--|
| 0      | 2 (1, 2),<br>n=9395                                    | 2 (2, 2), n=339   | 2 (1, 3), n=2465  | 2 (1, 3), n=3973   |
| 1      | 1 (1, 2), n=4658                                       | 2 (1, 2), n=118   | 2 (1, 2), n=1131  | 2 (1, 2), n=1936   |
| 2      | 1 (1, 2), n=2099                                       | 2 (2, 2), n=40  | 2 (1, 2), n=463   | 2 (1, 3), n=906  |
| 3+     | 1 (1, 2), n=1378                                       | 2 (2, 2), n=18  | 2 (1, 2), n=273   | 2 (1, 3), n=582  |
| Total  | 1 (1, 2), n=17530                                      | 2 (1, 2), n=515   | 2 (1, 2), n=4332  | 2 (1, 3), n=7397   |

Table 7: Median and IQR number of induction attempts by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 2 (1, 2), n=2297                                    | 2 (2, 2), n=50   | 2 (1, 3), n=584  | 2 (1, 3), n=1056   |
| 38 weeks                     | 2 (1, 2), n=3548                                    | 2 (2, 2), n=85   | 2 (1, 3), n=894  | 2 (1, 3), n=1547   |
| 39 weeks                     | 2 (1, 2), n=5221                                    | 2 (2, 2), n=163  | 2 (1, 2), n=1267   | 2 (1, 3), n=2330   |
| 40 weeks                     | 1 (1, 2), n=3441                                    | 2 (1, 2), n=81   | 2 (1, 2), n=826  | 2 (1, 2), n=1448   |
| 41 weeks                     | 1 (1, 2), n=2867                                    | 2 (1, 2), n=129  | 1 (1, 2), n=753  | 2 (1, 2), n=980  |
| 42+ weeks                    | 1 (1, 2), n=156                                     | 2(2, 3), n=7   | 2 (1, 2), n=8  | 1 (1, 2), n=36   |
| Total                        | 1 (1, 2), n=17530                                   | 2 (1, 2), n=515  | 2 (1, 2), n=4332   | 2 (1, 3), n=7397   |

Table 8: Median and IQR number of different methods of induction by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|---|--|---|---|--|
| NHS Borders   | 1 (1, 2), n=170  | 2 (2, 2), n=33  |   | 1 (1, 2), n=30   |
| NHS Fife  | 1 (1, 2), n=756  |   | 1 (1, 2), n=631   |  |
| NHS Grampian  | 1 (1, 2), n=759  | 2 (1, 2), n=235   |   | 1 (1, 2), n=104  |
| NHS Highland  | 1 (1, 2), n=462  |   |   | 1 (1, 2), n=334  |
| NHS Lanarkshire   | 1 (1, 2), n=1050                                       | 2 (1, 2), n=5   |   | 2 (1, 2), n=794  |
| NHS Tayside   | 1 (1, 2), n=753  | 2 (1, 2), n=181   |   | 1 (1, 2), n=81   |
| Ashford and St. Peter's<br>Hospital Maternity                   | 1 (1, 2), n=852  |   |   | 1 (1, 2), n=618  |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | 1 (1, 2), n=2664                                       |   |   | 1 (1, 2), n=2286   |
| Darlington Memorial<br>Hospital                                 | 1 (1, 2), n=143  | 2 (2, 2), n=11  |   | 2 (1, 2), n=62   |
| University Hospital Of<br>North Durham                          | 1 (1, 2), n=164  | 2 (1, 2), n=43  |   | 2 (1, 2), n=5  |

(Maternity)

|  |                  |                |                 |                 |
|--|------------------|----------------|-----------------|-----------------|
| Dorset County Hospital                               | 1 (1, 2), n=387  |                | 2 (1, 2), n=270 |                 |
| Epsom General<br>(Maternity)                         | 1 (1, 1), n=653  | 2 (1, 3), n=<5 |                 | 1 (1, 2), n=165 |
| St Helier (Maternity)                                | 1 (1, 2), n=793  | 2 (2, 3), n=<5 |                 | 1 (1, 2), n=309 |
| Hereford County<br>Maternity                         | 1 (1, 2), n=585  |                |                 | 1 (1, 2), n=495 |
| Princess Royal<br>University Hospital                | 1 (1, 1), n=142  |                | 1 (1, 1), n=141 |                 |
| Denmark Hill Maternity                               | 1 (1, 1), n=160  |                |                 | 1 (1, 2), n=116 |
| Chorley and South<br>Ribblesdale Hospital            | 1 (1, 1), n=<5   |                |                 |                 |
| Royal Preston Hospital                               | 1 (1, 2), n=1070 |                |                 | 1 (1, 2), n=863 |
| Cumberland Infirmary<br>(Maternity)                  | 1 (1, 2), n=435  |                | 2 (1, 2), n=291 |                 |
| West Cumberland<br>Hospital (Mat)                    | 1 (1, 1), n=191  |                | 1 (1, 2), n=66  |                 |
| Queen Elizabeth<br>Hospital Gateshead<br>(Maternity) | 2 (1, 2), n=1009 |                |                 | 2 (1, 2), n=743 |
| Warwick Hospital                                     | 1 (1, 2), n=608  |                | 1 (1, 2), n=445 |                 |

|  |                   |                 |                  |                  |
|--|-------------------|-----------------|------------------|------------------|
| Queen Elizabeth<br>Maternity Kings Lynn    | 1 (1, 1), n=558   |                 |                  | 1 (1, 1), n=392  |
| New Cross Maternity<br>Hospital            | 1 (1, 2), n=1380  |                 | 1 (1, 2), n=1215 |                  |
| Manor Hospital Walsall                     | 1 (1, 2), n=224   |                 | 1 (1, 2), n=184  |                  |
| Worcestershire Royal<br>Maternity Hospital | 1 (1, 2), n=1561  |                 | 1 (1, 2), n=1089 |                  |
| Total                                      | 1 (1, 2), n=17530 | 2 (1, 2), n=515 | 1 (1, 2), n=4332 | 1 (1, 2), n=7397 |

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Table 9: Median and IQR of different methods of induction by parity

| Parity | Confirmed inductions(population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening(cohort 2)Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|--------|--|--|---|--|
| 0      | 1 (1, 2), n=9395                                   | 2 (1, 2), n=339  | 1 (1, 2), n=2465  | 1 (1, 2), n=3973   |
| 1      | 1 (1, 2), n=4658                                   | 2 (1, 2), n=118  | 1 (1, 2), n=1131  | 1 (1, 2), n=1936   |
| 2      | 1 (1, 2), n=2099                                   | 2 (2, 2), n=40   | 1 (1, 2), n=463   | 1 (1, 2), n=906  |
| 3+     | 1 (1, 2), n=1378                                   | 2 (2, 2), n=18   | 1 (1, 2), n=273   | 1 (1, 2), n=582  |
| Total  | 1 (1, 2), n=17530                                  | 2 (1, 2), n=515  | 1 (1, 2), n=4332  | 1 (1, 2), n=7397   |

Table 10: Median and IQR number of different methods of induction by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 1 (1, 2), n=2297                                    | 2 (2, 2), n=50   | 1 (1, 2), n=584  | 1 (1, 2), n=1056   |
| 38 weeks                     | 1 (1, 2), n=3548                                    | 2 (2, 2), n=85   | 1 (1, 2), n=894  | 1 (1, 2), n=1547   |
| 39 weeks                     | 1 (1, 2), n=5221                                    | 2 (2, 2), n=163  | 1 (1, 2), n=1267   | 1 (1, 2), n=2330   |
| 40 weeks                     | 1 (1, 2), n=3441                                    | 2 (1, 2), n=81   | 1 (1, 2), n=826  | 1 (1, 2), n=1448   |
| 41 weeks                     | 1 (1, 2), n=2867                                    | 2 (1, 2), n=129  | 1 (1, 2), n=753  | 1 (1, 2), n=980  |
| 42+ weeks                    | 1 (1, 1), n=156                                     | 2 (2, 2), n=7  | 2 (1, 2), n=8  | 1 (1, 2), n=36   |
| Total                        | 1 (1, 2), n=17530                                   | 2 (1, 2), n=515  | 1 (1, 2), n=4332   | 1 (1, 2), n=7397   |

Table 11: Percentage of women with balloon induction at any point by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|---|---|---|---|--|
| NHS Borders   | 93/170 (54.7)                                   | 33/33 (100.0)   |   | <5/30  |
| NHS Fife  | 12/756 (1.5)                                    |   | 6/631 (0.9)   |  |
| NHS Grampian  | 401/759 (52.8)                                  | 235/235 (100.0)   |   | 18/104 (17.3)  |
| NHS Highland  | <5/462  |   |   | <5/334   |
| NHS Lanarkshire   | 16/1,050 (1.5)                                  | 5/5 (100.0)   |   | 5/794 (0.6)  |
| NHS Tayside   | 235/753 (31.2)                                  | 181/181 (100.0)   |   | <5/81  |
| Ashford and St. Peter's<br>Hospital Maternity                   | 59/852 (6.9)                                    |   |   | 6/618 (1.0)  |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | <5/2,664  |   |   | <5/2,286   |
| Darlington Memorial<br>Hospital                                 | 28/143 (19.6)                                   | 11/11 (100.0)   |   | <5/62  |
| University Hospital Of<br>North Durham<br>(Maternity)           | 74/164 (45.1)                                   | 43/43 (100.0)   |   | <5/5   |



|  |                |    |          |        |
|--|----------------|----|----------|--------|
| Dorset County Hospital                               | 20/387 (5.2)   |    | <5/270   |        |
| Epsom General<br>(Maternity)                         | 108/653 (16.5) | <5 |          | <5/165 |
| St Helier (Maternity)                                | 174/793 (21.9) | <5 |          | <5/309 |
| Hereford County<br>Maternity                         | <5/585         |    |          | <5/495 |
| Princess Royal<br>University Hospital                | <5/142         |    | <5/141   |        |
| Denmark Hill Maternity                               | <5/160         |    |          | <5/116 |
| Royal Preston Hospital                               | <5/1,070       |    |          | <5/863 |
| Cumberland<br>Infirmary (Maternity)                  | 6/435          |    | <5/291   |        |
| West Cumberland<br>Hospital (Mat)                    | 8/191 (4.2)    |    | <5/66    |        |
| <hr/>  |                |    |          |        |
| Queen Elizabeth<br>Hospital Gateshead<br>(Maternity) | <5/1,009       |    |          | <5/743 |
| Warwick Hospital                                     | <5/608         |    | <5/445   |        |
| Queen Elizabeth<br>Maternity Kings Lynn              | 27/558 (4.8)   |    |          | <5/392 |
| New Cross Maternity<br>Hospital                      | <5/1,380       |    | <5/1,215 |        |

|  |                   |                 |                |                |
|--|-------------------|-----------------|----------------|----------------|
| Manor Hospital Walsall                     | <5/224            |                 | <5/184)        |                |
| Worcestershire Royal<br>Maternity Hospital | 6/1,561 (0.4)     |                 | <5/1,089       |                |
| Total                                      | 1,271/17,530 (7.3 | 515/515 (100.0) | 15/4,332 (0.4) | 35/7,397 (0.5) |

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Table 12: Percentage of women with balloon induction at any point by parity

| Parity | Confirmed inductions<br>population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--------|--|---|---|--|
| 0      | 879/9,395 (9.4)                                | 339/339 (100.0)   | 10/2,465 (0.4)  | 31/3,973 (0.8)   |
| 1      | 225/4,658 (4.8)                                | 118/118 (100.0)   | <5/1,131  | <5/1,936   |
| 2      | 97/2,099 (4.6)                                 | 40/40 (100.0)   | <5/463  | <5/906   |
| 3+     | 70/1,378 (5.1)                                 | 18/18 (100.0)   | <5/273  | 5/582  |
| Total  | 1,271/17,530 (7.3)                             | 515/515 (100.0)   | 15/4,332 (0.4)  | 35/7,397 (0.5)   |

Table 13: Percentage of women with balloon induction at any point by gestational age at induction

| Gestational age at induction | Confirmed inductions(population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|--|--|--|--|
| 37 weeks                     | 187/2,297 (8.1)                          | 50/50 (100.0)  | <5/584   | <5/1,056   |
| 38 weeks                     | 280/3,548 (7.9)                          | 85/85 (100.0)  | 5/894 (0.6)  | 12/1,547 (0.8)   |
| 39 weeks                     | 386/5,221 (7.4)                          | 163/163 (100.0)  | 5/1,267 (0.4)  | 14/2,330 (0.6)   |
| 40 weeks                     | 184/3,441 (5.4)                          | 81/81 (100.0)  | <5/826   | <5/1,448   |
| 41 weeks                     | 220/2,867 (7.7)                          | 129/129 (100.0)  | <5/753 (0.0)   | <5/980   |
| 42+ weeks                    | 14/156 (9.0)                             | 7/7 (100.0)  | <5/8 (12.5)  | <5/36  |
| Total                        | 1,271/17,530 (7.3)                       | 515/515 (100.0)  | 15/4,332 (0.4)   | 35/7,397 (0.5)   |

Table 14: Percentage of women with prostaglandins induction at any point by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening(cohort 1) n/N<br>(%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>n/N (%) |
|---|---|--|--|---|
| NHS Borders   | 40/170 (23.5)                               |  |  | 30/30 (100.0)   |
| NHS Fife  | 637/756 (84.3)                              |  | 631/631 (100.0)  |   |
| NHS Grampian  | 122/759 (16.1)                              |  |  | 104/104 (100.0)   |
| NHS Highland  | 341/462 (73.8)                              |  |  | 334/334 (100.0)   |
| NHS Lanarkshire   | 813/1,050 (77.4)                            |  |  | 794/794 (100.0)   |
| NHS Tayside   | 97/753 (12.9)                               |  |  | 81/81 (100.0)   |
| Ashford and St. Peter's<br>Hospital Maternity                   | 705/852 (82.8)                              |  |  | 618/618 (100.0)   |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | 2,355/2,664 (88.4)                          |  |  | 2,286/2,286 (100.0)   |
| Darlington Memorial<br>Hospital                                 | 65/143 (45.5)                               |  |  | 62/62 (100.0)   |
| University Hospital Of<br>North Durham<br>(Maternity)           | 5/164 (3.1)                                 |  |  | 5/5 (100.0)   |

|  |                  |                 |                 |
|--|------------------|-----------------|-----------------|
| Dorset County Hospital                               | 274/387 (70.8)   | 270/270 (100.0) |                 |
| Epsom General<br>(Maternity)                         | 183/653 (28.0)   |                 | 165/165 (100.0) |
| St Helier (Maternity)                                | 420/793 (53.0)   |                 | 309/309 (100.0) |
| Hereford County<br>Maternity                         | 507/585 (86.7)   |                 | 495/495 (100.0) |
| Princess Royal<br>University Hospital                | 141/142 (99.3)   | 141/141 (100.0) |                 |
| Denmark Hill Maternity                               | 125/160 (78.1)   |                 | 116/116 (100.0) |
| Chorley and South<br>Ribble Hospital                 | <5               |                 |                 |
| Royal Preston Hospital                               | 929/1,070 (86.8) |                 | 863/863 (100.0) |
| Cumberland<br>Infirmary (Maternity)                  | 293/435 (67.4)   | 291/291 (100.0) |                 |
| West Cumberland<br>Hospital (Mat)                    | 69/191 (36.1)    | 66/66 (100.0)   |                 |
| Queen Elizabeth<br>Hospital Gateshead<br>(Maternity) | 768/1,009 (76.1) |                 | 743/743 (100.0) |
| Warwick Hospital                                     | 452/608 (74.3)   | 445/445 (100.0) |                 |
| Queen Elizabeth<br>Maternity Kings Lynn              | 407/558 (72.9)   |                 | 392/392 (100.0) |

|  |                      |              |                     |                     |
|--|----------------------|--------------|---------------------|---------------------|
| New Cross Maternity<br>Hospital            | 1,221/1,380 (88.5)   |              | 1,215/1,215 (100.0) |                     |
| Manor Hospital Walsall                     | 188/224 (83.9)       |              | 184/184 (100.0)     |                     |
| Worcestershire Royal<br>Maternity Hospital | 1,150/1,561 (73.7)   |              | 1,089/1,089 (100.0) |                     |
| Total                                      | 12,307/17,530 (70.2) | 24/515 (4.7) | 4,332/4,332 (100.0) | 7,397/7,397 (100.0) |

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Table 15: Percentage of women with prostaglandins induction at any point by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--------|---|---|---|--|
| 0      | 6,832/9,395 (72.7)                              |   | 2,465/2,465 (100.0)   | 3,973/3,973 (100.0)  |
| 1      | 3,168/4,658 (68.0)                              |   | 1,131/1,131 (100.0)   | 1,936/1,936 (100.0)  |
| 2      | 1,423/2,099 (67.8)                              |   | 463/463 (100.0)   | 906/906 (100.0)  |
| 3+     | 884/1,378 (64.2)                                |   | 273/273 (100.0)   | 582/582 (100.0)  |
| Total  | 12,307/17,530 (70.2)                            | 24/515 (4.7)  | 4,332/4,332 (100.0)   | 7,397/7,397 (100.0)  |



Table 16: Percentage of women with prostaglandins induction at any point by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 1,708/2,297 (74.4)                        | 5/50 (10.0)  | 584/584 (100.0)  | 1,056/1,056 (100.0)  |
| 38 weeks                     | 2,534/3,548 (71.4)                        | <5/85  | 894/894 (100.0)  | 1,547/1,547 (100.0)  |
| 39 weeks                     | 3,728/5,221 (71.4)                        | 7/163 (4.3)  | 1,267/1,267 (100.0)  | 2,330/2,330 (100.0)  |
| 40 weeks                     | 2,367/3,441 (68.8)                        | <5/81  | 826/826 (100.0)  | 1,448/1,448 (100.0)  |
| 41 weeks                     | 1,922/2,867 (67.0)                        | 6/129 (4.7)  | 753/753 (100.0)  | 980/980 (100.0)  |
| 42+ weeks                    | 48/156 (30.8)                             | <5/7   | 8/8 (100.0)  | 36/36 (100.0)  |
| Total                        | 12,307/17,530 (70.2)                      | 24/515 (4.7)   | 4,332/4,332 (100.0)  | 7,397/7,397 (100.0)  |

Table 17: Percentage of women with non-ripening methods of induction at any point by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)<br>n/N (%) | Mixed hospital, at<br>home balloon<br>cervicalripening<br>(cohort 1)<br>n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>n/N (%) |
|---|---|---|--|---|
| NHS Borders   | 112/170 (65.9)                                    | 23/33 (69.7)  |  | 8/30 (26.7)   |
| NHS Fife  | 363/756 (48.0)                                    |   | 244/631 (38.7)   |   |
| NHS Grampian  | 613/759 (80.8)                                    | 175/235 (74.5)  |  | 46/104 (44.2)   |
| NHS Highland  | 279/462 (60.4)                                    |   |  | 155/334 (46.4)  |
| NHS Lanarkshire   | 639/1,050 (60.9)                                  | <5  |  | 399/794 (50.3)  |
| NHS Tayside   | 613/753 (81.4)                                    | 120/181 (66.3)  |  | 30/81 (37.0)  |
| Ashford and St. Peter's<br>Hospital Maternity                   | 356/852 (41.8)                                    |   |  | 208/618 (33.7)  |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | 914/2,664 (34.3)                                  |   |  | 645/2,286 (28.2)  |
| Darlington Memorial<br>Hospital                                 | 112/143 (78.3)                                    | 8/11 (72.7)   |  | 36/62 (58.1)  |
| University Hospital Of<br>North Durham<br>(Maternity)           | 141/164 (86.0)                                    | 30/43 (69.8)  |  | 3/5 (60.0)  |

|  |                  |    |                |
|--|------------------|----|----------------|
| Dorset County Hospital                               | 255/387 (65.9)   |    | 144/270 (53.3) |
| Epsom General<br>(Maternity)                         | 443/653 (67.8)   | <5 | 64/165 (38.8)  |
| St Helier (Maternity)                                | 495/793 (62.4)   | <5 | 139/309 (45.0) |
| Hereford County<br>Maternity                         | 272/585 (46.5)   |    | 189/495 (38.2) |
| Princess Royal<br>University Hospital                | <5/142           |    | <5             |
| Denmark Hill Maternity                               | 65/160 (40.6)    |    | 29/116 (25.0)  |
| Chorley and South<br>Ribble Hospital                 | <5               |    |                |
| Royal Preston Hospital                               | 571/1,070 (53.4) |    | 402/863 (46.6) |
| Cumberland<br>Infirmary (Maternity)                  | 303/435 (69.7)   |    | 161/291 (55.3) |
| West Cumberland<br>Hospital (Mat)                    | 147/191 (77.0)   |    | 27/66 (40.9)   |
| Queen Elizabeth<br>Hospital Gateshead<br>(Maternity) | 716/1,009 (71.0) |    | 464/743 (62.5) |
| Warwick Hospital                                     | 306/608 (50.3)   |    | 160/445 (36.0) |
| Queen Elizabeth<br>Maternity Kings Lynn              | 230/558 (41.2)   |    | 83/392 (21.2)  |

|   |                     |                 |                    |                    |
|---|---------------------|-----------------|--------------------|--------------------|
| New Cross Maternity Hospital            | 613/1,380 (44.4)    |                 | 452/1,215 (37.2)   |                    |
| Manor Hospital Walsall                  | 110/224 (49.1)      |                 | 77/184 (41.9)      |                    |
| Worcestershire Royal Maternity Hospital | 744/1,561 (47.7)    |                 | 386/1,089 (35.5)   |                    |
| Total                                   | 9,415/17,530 (53.7) | 365/515 (70.9%) | 1,652/4,332 (38.1) | 2,900/7,397 (39.2) |

Table 18: Percentage of women with non-ripening methods of induction at any point by parity

| Parity | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--------|---|--|--|--|
| 0      | 4,673/9,395 (49.7)                        | 243/339 (71.7)   | 888/2,465 (36.0)   | 1,437/3,973 (36.2%)  |
| 1      | 2,633/4,658 (56.5)                        | 76/118 (64.4)  | 448/1,131 (39.6)   | 791/1,936 (40.9)   |
| 2      | 1,261/2,099 (60.1)                        | 32/40 (80.0)   | 200/463 (43.2)   | 407/906 (44.9)   |
| 3+     | 848/1,378 (61.5)                          | 14/18 (77.8)   | 116/273 (42.5)   | 265/582 (45.5)   |
| Total  | 9,415/17,530 (53.7)                       | 365/515 (70.9)   | 1,652/4,332 (38.1)   | 2,900/7,397 (39.2)   |

Table 19: Percentage of women with non-ripening methods of induction at any point by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 1,306/2,297 (56.9)                        | 42/50 (84.0)   | 258/584 (44.2)   | 488/1,056 (46.2%)  |
| 38 weeks                     | 1,983/3,548 (55.9)                        | 67/85 (78.8)   | 372/894 (41.6)   | 671/1,547 (43.4)   |
| 39 weeks                     | 2,766/5,221 (53.0)                        | 121/163 (74.2)   | 496/1,267 (39.2)   | 885/2,330 (38.0%)  |
| 40 weeks                     | 1,757/3,441 (51.1)                        | 51/81 (63.0)   | 278/826 (33.7)   | 496/1,448 (34.3)   |
| 41 weeks                     | 1,478/2,867 (51.6)                        | 78/129 (60.5)  | 244/753 (32.4)   | 345/980 (35.2)   |
| 42+ weeks                    | 125/156 (80.1)                            | 6/7 (85.7)   | <5/8   | 15/36 (41.7)   |
| Total                        | 9,415/17,530 (53.7)                       | 365/515 (70.9)   | 1,652/4,332 (38.1)   | 2,900/7,397 (39.2)   |

Table 20: Percentage of women with any cervical ripening methods of induction at any point by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|---|---|---|---|--|
| NHS Borders   | 123/170 (72.4)                                  | 33/33 (100.0)   |   | 30/30 (100.0)  |
| NHS Fife  | 643/756 (85.1)                                  |   | 631/631 (100.0)   |  |
| NHS Grampian  | 491/759 (64.7)                                  | 235/235 (100.0)   |   | 104/104 (100.0)  |
| NHS Highland  | 341/462 (73.8)                                  |   |   | 334/334 (100.0)  |
| NHS Lanarkshire   | 821/1,050 (78.2)                                | 5/5 (100.0)   |   | 794/794 (100.0)  |
| NHS Tayside   | 318/753 (42.2)                                  | 181/181 (100.0)   |   | 81/81 (100.0)  |
| Ashford and St. Peter's<br>Hospital Maternity                   | 758/852 (89.0)                                  |   |   | 618/618 (100.0)  |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | 2,356/2,664 (88.4)                              |   |   | 2,286/2,286 (100.0)  |
| Darlington Memorial<br>Hospital                                 | 90/143 (62.9)                                   | 11/11 (100.0)   |   | 62/62 (100.0)  |
| University Hospital Of<br>North Durham<br>(Maternity)           | 79/164 (48.2)                                   | 43/43 (100.0)   |   | 5/5 (100.0)  |

|  |                    |    |                     |
|--|--------------------|----|---------------------|
| Dorset County Hospital                               | 292/387 (75.4)     |    | 270/270 (100.0)     |
| Epsom General<br>(Maternity)                         | 278/653 (42.6)     | <5 | 165/165 (100.0)     |
| St Helier (Maternity)                                | 497/793 (62.7)     | <5 | 309/309 (100.0)     |
| Hereford County<br>Maternity                         | 507/585 (86.7)     |    | 495/495 (100.0)     |
| Princess Royal<br>University Hospital                | 141/142 (99.3)     |    | 141/141 (100.0)     |
| Denmark Hill Maternity                               | 125/160 (78.1)     |    | 116/116 (100.0)     |
| Royal Preston Hospital                               | 929/1,070 (86.8)   |    | 863/863 (100.0)     |
| Cumberland<br>Infirmary (Maternity)                  | 296/435 (68.0)     |    | 291/291 (100.0)     |
| West Cumberland<br>Hospital (Mat)                    | 73/191 (38.2)      |    | 66/66 (100.0)       |
| Queen Elizabeth<br>Hospital Gateshead<br>(Maternity) | 805/1,009 (79.8)   |    | 743/743 (100.0)     |
| Warwick Hospital                                     | 458/608 (75.3)     |    | 445/445 (100.0)     |
| Queen Elizabeth<br>Maternity Kings Lynn              | 430/558 (77.1)     |    | 392/392 (100.0)     |
| New Cross Maternity<br>Hospital                      | 1,222/1,380 (88.6) |    | 1,215/1,215 (100.0) |

|  |                      |                 |                     |                     |
|--|----------------------|-----------------|---------------------|---------------------|
| Manor Hospital Walsall                     | 188/224 (83.9)       |                 | 184/184 (100.0)     |                     |
| Worcestershire Royal<br>Maternity Hospital | 1,150/1,561 (73.7)   |                 | 1,089/1,089 (100.0) |                     |
| Total                                      | 13,411/17,530 (76.5) | 515/515 (100.0) | 4,332/4,332 (100.0) | 7,397/7,397 (100.0) |

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Cohorts 1 and 2 consist of only patients with cervical ripening methods at first attempt



Table 21: Percentage of women with any cervical ripening methods of induction at any point by parity

| Parity | Confirmed inductions (population 2)<br>N (%) |
|--------|--|
| 0      | 7,555/9,395 (80.4)                           |
| 1      | 3,392/4,658 (72.8)                           |
| 2      | 1,513/2,099 (72.1)                           |
| 3+     | 951/1,378 (69.0)                             |
| Total  | 13,411/17,530 (76.5)                         |

Cohorts 1 and 2 consist of only patients with cervical ripening methods at first attempt

Table 22: Percentage of women with any cervical ripening methods of induction at any point by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) |
|------------------------------|---|
| 37 weeks                     | 1,858/2,297 (80.9)                              |
| 38 weeks                     | 2,771/3,548 (78.1)                              |
| 39 weeks                     | 4,068/5,221 (77.9)                              |
| 40 weeks                     | 2,530/3,441 (73.5)                              |
| 41 weeks                     | 2,124/2,867 (74.1)                              |
| 42+ weeks                    | 60/156 (38.5)                                   |
| Total                        | 13,411/17,530 (76.5)                            |

Cohorts 1 and 2 consist of only patients with cervical ripening methods at first attempt

Table 23: Subsequent induction methods following cervical balloon induction, confirmed inductions

| Hospital or NHS Trust                         | N (%)            |         |              |           |                |
|---|------------------|---------|--------------|-----------|----------------|
|   | Cervical Balloon | Missing | Non-ripening | None      | Prostaglandins |
| NHS Borders                                   | <5               |         | 55 (55.6)    | 29 (29.3) | 13 (13.1)      |
| NHS Fife                                      |                  |         | <5           | <5        |                |
| NHS Grampian                                  | 7 (1.7)          |         | 313 (75.6)   | 76 (18.4) | 18 (4.3)       |
| NHS Lanarkshire                               |                  |         | 7 (43.8)     | <5        | 5 (31.3)       |
| NHS Tayside                                   | <5               | 9 (3.4) | 172 (64.7)   | 67 (25.2) | 14 (5.3)       |
| Ashford and St. Peter's<br>Hospital Maternity | <5               |         | 33 (55.0)    | 23 (38.3) |                |

|  |    |           |            |           |            |
|--|----|-----------|------------|-----------|------------|
| Birmingham Women's and Children's NHS Foundation Trust |    |           |            | <5        |            |
| Darlington Memorial Hospital                           |    | 24 (77.4) |            | <5        | <5         |
| University Hospital Of North Durham (Maternity)        | <5 | 56 (72.7) |            | 20 (26.0) |            |
| Dorset County Hospital                                 | <5 | 14 (66.7) |            | <5        | <5         |
| Epsom General (Maternity)                              | <5 | 68 (55.7) |            | 37 (30.3) | 15 (12.3)  |
| St Helier (Maternity)                                  | <5 | <5        | 108 (38.3) | 32 (11.3) | 137 (48.6) |
| Cumberland Infirmary (Maternity)                       |    |           | <5         | <5        | <5         |
| West Cumberland Hospital (Mat)                         | <5 | <5        | <5         |           | <5         |
| Queen Elizabeth Hospital Gateshead (Maternity)         |    |           | <5         |           | <5         |

|  |          |          |            |            |            |
|--|----------|----------|------------|------------|------------|
| Queen Elizabeth Maternity<br>Kings Lynn    |          |          | 13 (50.0)  | 8 (30.8)   | 5 (19.2)   |
| Worcestershire Royal<br>Maternity Hospital |          |          | <5         |            | <5         |
| Total                                      | 26 (1.8) | 12 (0.8) | 875 (60.8) | 308 (21.4) | 217 (15.1) |

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Table 24: Subsequent induction methods following cervical balloon induction, all defined inductions

| Parity | N (%)            |          |              |            |                |
|--------|------------------|----------|--------------|------------|----------------|
|        | Cervical Balloon | Missing  | Non-ripening | None       | Prostaglandins |
| 0      | 21 (2.1)         | 10 (1.0) | 592 (58.0)   | 201 (19.7) | 196 (19.2)     |
| 1      | <5               | <5       | 160 (66.4)   | 69 (28.6)  | 9 (3.7)        |
| 2      | <5               | <5       | 73 (67.6)    | 23 (21.3)  | 8 (7.4)        |
| 3+     |                  |          | 50 (72.5)    | 15 (21.7)  | <5             |
| Total  | 26 (1.8)         | <5%      | 875 (60.8)   | 308 (21.4) | 217 (15.1)     |

Table 25. Subsequent induction methods following cervical balloon induction, cohort 1

| Parity | N (%)            |         |              |            |                |
|--------|------------------|---------|--------------|------------|----------------|
|        | Cervical Balloon | Missing | Non-ripening | None       | Prostaglandins |
| 0      | 9 (2.4)          | 7 (1.8) | 259 (68.2)   | 80 (21.1)  | 25 (6.6)       |
| 1      |                  | <5      | 82 (65.1)    | 42 (33.3)  | <5             |
| 2      |                  |         | 33 (76.7)    | 8 (18.6)   | <5)            |
| 3+     |                  |         | 14 (73.7)    | 4 (21.1)   | <5             |
| Total  | 9 (1.6)          | <5%     | 388 (68.3)   | 134 (23.6) | 29 (5.1)       |

Table 26: Subsequent induction methods following cervical balloon induction, all defined inductions

| Gestational age | Cervical Balloon | Missing  | Non-ripening | N (%)      |                |
|-----------------|------------------|----------|--------------|------------|----------------|
|                 |                  |          |              | Non        | Prostaglandins |
| 37 weeks        | 5 (2.2)          | <5       | 134 (59.0)   | 40 (17.6)  | 46 (20.3)      |
| 38 weeks        | <5               | <5       | 195 (63.3)   | 61 (19.8)  | 47 (15.3)      |
| 39 weeks        | 6 (1.4)          | 5 (1.2)  | 273 (63.3)   | 86 (20.0)  | 61 (14.2)      |
| 40 weeks        | 11 (5.1)         | <5       | 119 (55.1)   | 52 (24.1)  | 33 (15.3)      |
| 41 weeks        | <5               | <5       | 143 (59.8)   | 65 (27.2)  | 29 (12.1)      |
| 42+ weeks       | <5               |          | 11 (64.7)    | <5         | <5             |
| Total           | 26 (1.8)         | 12 (0.8) | 875 (60.8)   | 308 (21.4) | 217 (15.1)     |



Table 27: Subsequent induction methods following cervical balloon induction, all defined inductions

| IOL type                                      | N (%)            |          |              |            |                |
|---|------------------|----------|--------------|------------|----------------|
|   | Cervical Balloon | Missing  | Non-ripening | None       | Prostaglandins |
| In-hospital cervical ripening only            | <5               | <5       | 25 (59.5)    | 7 (16.7)   | 6 (14.3)       |
| Home cervical ripening                        | 9 (1.6)          | 8 (1.4)  | 388 (68.3)   | 134 (23.6) | 29 (5.1)       |
| In-hospital cervical ripening, mixed hospital | 14 (1.7)         | 3 (0.4)  | 462 (55.8)   | 167 (20.2) | 182 (22.0)     |
| Total   | 26 (1.8)         | 12 (0.8) | 875 (60.8)   | 308 (21.4) | 217 (15.1)     |

Table 28. Subsequent induction methods following cervical balloon induction, cohort 1

| IOL type               | N (%)            |         |              |            |                |
|------------------------|------------------|---------|--------------|------------|----------------|
|                        | Cervical Balloon | Missing | Non-ripening | None       | Prostaglandins |
| Home cervical ripening | 9 (1.6)          | 8 (1.4) | 388 (68.3)   | 134 (23.6) | 29 (5.1)       |
| Total                  | 9 (1.6)          | 8 (1.4) | 388 (68.3)   | 134 (23.6) | 29 (5.1)       |

Table 29. Subsequent induction methods following prostaglandins induction, all defined inductions

| Hospital or NHS Trust                                  | N (%)            |                  |           |              |              |                |
|--|------------------|------------------|-----------|--------------|--------------|----------------|
|  | Cervical Balloon | Cervical Dilator | Missing   | Non-ripening | None         | Prostaglandins |
| NHS Borders  | <5               |                  |           | 8 (19.5)     | 18 (43.9)    | 13 (31.7)      |
| NHS Fife   | 6 (0.7)          |                  | 29 (3.2)  | 255 (27.9)   | 270 (29.5)   | 355 (38.8)     |
| NHS Grampian   | 22 (14)          |                  |           | 51 (32.5)    | 43 (27.4)    | 41 (26.1)      |
| NHS Highland   | <5               |                  | <5        | 158 (33.8)   | 128 (27.4)   | 178 (38.0)     |
| NHS Lanarkshire  | 5 (0.3)          |                  | 51 (3.5)  | 427 (29.1)   | 168 (11.5)   | 814 (55.6)     |
| NHS Tayside  | <5               |                  | <5        | 33 (37.5)    | 47 (53.4)    | <5             |
| Ashford and St. Peter's Hospital Maternity             | 6 (0.7)          |                  | <5        | 244 (28.2)   | 366 (42.3)   | 248 (28.7)     |
| Birmingham Women's and Children's NHS Foundation Trust |                  | <5               | 303 (9.6) | 676 (21.5)   | 1,105 (35.1) | 1,059 (33.7)   |
| Darlington Memorial Hospital                           |                  |                  |           | 38 (44.7)    | 16 (18.8)    | 31 (36.5)      |
| University Hospital Of                                 |                  |                  |           | <5           | <5           |                |

North

Durham (Maternity)

|  |    |          |            |            |            |
|--|----|----------|------------|------------|------------|
| Dorset County Hospital                         | <5 | 5 (1.4)  | 157 (44.2) | 84 (23.7)  | 108 (30.4) |
| Epsom General (Maternity)                      |    | <5       | 74 (40.7)  | 92 (50.5)  | 14 (7.7)   |
| St Helier (Maternity)                          | <5 | <5       | 158 (40.5) | 127 (32.6) | 103 (26.4) |
| Hereford County Maternity                      |    | <5       | 217 (30.6) | 194 (27.4) | 296 (41.8) |
| Princess Royal University Hospital             |    |          | <5         | 128 (90.1) | 13 (9.2)   |
| Denmark Hill Maternity                         | <5 |          | 31 (24.2)  | 91 (71.1)  | 5 (3.9)    |
| Royal Preston Hospital                         |    | 49 (4.4) | 427 (38.0) | 312 (27.8) | 335 (29.8) |
| Cumberland Infirmary (Maternity)               | <5 |          | 170 (48.9) | 101 (29.0) | 75 (21.6)  |
| West Cumberland Hospital (Mat)                 | <5 | <5       | 28 (36.8)  | 35 (46.1)  | 9 (11.8)   |
| Queen Elizabeth Hospital Gateshead (Maternity) |    | 5 (0.4)  | 506 (44.8) | 159 (14.1) | 460 (40.7) |
| Warwick Hospital                               | <5 | 7 (1.4)  | 171 (33.5) | 240 (47.0) | 89 (17.4)  |
| Queen Elizabeth Maternity Kings Lynn           |    |          | 87 (18.1)  | 250 (52.0) | 144 (29.9) |
| New Cross Maternity Hospital                   | <5 | 6 (0.3)  | 466 (26.0) | 475 (26.5) | 840 (46.9) |

|  |             |             |           |                 |                 |              |
|--|-------------|-------------|-----------|-----------------|-----------------|--------------|
| Manor Hospital Walsall                     |             | <5          | 9 (3.5)   | 79 (30.6)       | 64 (24.8)       | 104 (40.3)   |
| Worcestershire Royal<br>Maternity Hospital | <5          |             | 113 (8.3) | 409 (30.1)      | 496 (36.5)      | 338 (24.9)   |
| Total                                      | 54<br>(0.3) | 16<br>(0.1) | 584 (3.6) | 4,874<br>(30.1) | 5,011<br>(30.9) | 5,676 (35.0) |

Table 30: Subsequent induction methods following prostaglandins induction, cohort 2

| Hospital or NHS Trust              | N (%)            |                  |          |              |            |                |
|------------------------------------|------------------|------------------|----------|--------------|------------|----------------|
|                                    | Cervical Balloon | Cervical Dilator | Missing  | Non-ripening | None       | Prostaglandins |
| NHS Fife                           | 6 (0.7)          |                  | 29 (3.2) | 255 (27.9)   | 270 (29.5) | 355 (38.8)     |
| Dorset County Hospital             | <5               |                  | 5 (1.4)  | 157 (44.2)   | 84 (23.7)  | 108 (30.4)     |
| Princess Royal University Hospital |                  |                  |          | <5           | 128 (90.1) | 13 (9.2)       |
| Cumberland Infirmary (Maternity)   | <5               |                  |          | 170 (48.9)   | 101 (29.0) | 75 (21.6)      |
| West Cumberland Hospital (Mat)     | <5               |                  | <5       | 28 (36.8)    | 35 (46.1)  | 9 (11.8)       |
| Warwick Hospital                   |                  | <5               | 7 (1.4)  | 171 (33.5)   | 240 (47.0) | 89 (17.4)      |
| New Cross Maternity                |                  | <5               | 6 (0.3)  | 466 (26.0)   | 475 (26.5) | 840 (46.9)     |

|   |          |           |            |              |              |              |
|---|----------|-----------|------------|--------------|--------------|--------------|
| Hospital  |          |           |            |              |              |              |
| Manor<br>Hospital<br>Walsall                      | <5       | 9 (3.5)   | 79 (30.6)  | 64 (24.8)    | 104 (40.3)   |              |
| Worcestersh<br>ire Royal<br>Maternity<br>Hospital | <5       | 113 (8.3) | 409 (30.1) | 496 (36.5)   | 338 (24.9)   |              |
| Total   | 15 (0.3) | 9 (0.2)   | 171 (3.0)  | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6) |

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Table 31. Subsequent induction methods following prostaglandins induction, cohort 3

| Hospital or NHS Trust | Cervical Balloon | Cervical Dilator | Missing | N (%)        |            |                |
|-----------------------|------------------|------------------|---------|--------------|------------|----------------|
|                       |                  |                  |         | Non-ripening | none       | prostaglandins |
| NHS Borders           | <5               |                  |         | 8 (20.5)     | 18 (46.2)  | 11 (28.2)      |
| NHS Grampian          | 20 (13.5)        |                  |         | 48 (32.4)    | 41 (27.7)  | 39 (26.4)      |
|                       |                  |                  | <5      | 157 (33.8)   | 126 (27.2) | 177 (38.1)     |



|  |  |         |    |           |            |              |              |
|--|--|---------|----|-----------|------------|--------------|--------------|
|  |  |         |    |           |            |              |              |
| NHS Lanarkshire  |  | 5 (0.3) |    | 51 (3.5)  | 425 (29.3) | 167 (11.5)   | 801 (55.3)   |
| NHS Tayside  |  | 1 (1.1) |    | <5        | 33 (37.5)  | 47 (53.4)    | <5           |
| Ashford and St. Peter's Hospital Maternity             |  | 6 (0.8) |    | <5        | 218 (28.6) | 313 (41.0)   | 225 (29.5)   |
| Birmingham Women's and Children's NHS Foundation Trust |  |         | <5 | 299 (9.7) | 665 (21.5) | 1,080 (35.0) | 1,043 (33.8) |
| Darlington Memorial Hospital                           |  |         |    |           | 38 (44.7)  | 16 (18.8)    | 31 (36.5)    |
| University Hospital Of North Durham (Maternity)        |  |         |    |           | <5         | <5           |              |
| Epsom General (Maternity)                              |  |         |    | <5        | 71 (39.9)  | 92 (51.7)    | 13 (7.3)     |
| St Helier (Maternity)                                  |  | 1 (0.3) |    | <5        | 158 (40.7) | 127 (32.7)   | 101 (26.0)   |
| Hereford County  |  |         |    | <5        | 213 (30.7) | 189 (27.3)   | 290 (41.8)   |

|  |  |          |         |           |              |              |              |
|--|--|----------|---------|-----------|--------------|--------------|--------------|
| Maternity                                      |  |          |         |           |              |              |              |
| Denmark Hill Maternity                         |  |          | <5      |           | 30 (25.2)    | 84 (70.6)    | <5           |
| Royal Preston Hospital                         |  |          |         | 48 (4.4)  | 415 (38.2)   | 296 (27.2)   | 328 (30.2)   |
| Queen Elizabeth Hospital Gateshead (Maternity) |  |          | <5      |           | 504 (45.1)   | 157 (14.0)   | 453 (40.5)   |
| Queen Elizabeth Maternity Kings Lynn           |  |          |         |           | 85 (18.0)    | 243 (51.5)   | 144 (30.5)   |
| Total  |  | 37 (0.4) | 6 (0.1) | 408 (4.0) | 3,071 (30.2) | 2,998 (29.4) | 3,664 (36.0) |
|  |  |          |         |           |              |              |              |

Table 32. Subsequent induction methods following prostaglandins induction, all defined inductions

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| N (%)  |                  |                  |         |              |      |                |
|--------|------------------|------------------|---------|--------------|------|----------------|
| Parity | Cervical Balloon | Cervical Dilator | Missing | Non-ripening | None | Prostaglandins |

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|       |          |          |           |              |              |              |
|-------|----------|----------|-----------|--------------|--------------|--------------|
| 0     | 44 (0.5) | 12 (0.1) | 297 (3.3) | 2,523 (27.8) | 2,855 (31.5) | 3,337 (36.8) |
| 1     | <5       | <5       | 151 (3.7) | 1,311 (32.3) | 1,293 (31.9) | 1,295 (31.9) |
| 2     | <5       |          | 86 (4.5)  | 638 (33.4)   | 537 (28.1)   | 648 (33.9)   |
| 3+    | <5       | <5       | 50 (4.2)  | 402 (34.1)   | 326 (27.7)   | 396 (33.6)   |
| Total | 54 (0.3) | 16 (0.1) | 584 (3.6) | 4,874 (30.1) | 5,011 (30.9) | 5,676 (35.0) |

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Table 33. Subsequent induction methods following prostaglandins induction, cohort 2

| Parity | N (%)            |                  |           |              |              |                |
|--------|------------------|------------------|-----------|--------------|--------------|----------------|
|        | Cervical Balloon | Cervical dilator | Missing   | Non-ripening | None         | Prostaglandins |
| 0      | 10 (0.3)         | 6 (0.2)          | 105 (3.1) | 938 (28.1)   | 1,056 (31.6) | 1,226 (36.7)   |
| 1      | <5               | <5               | 42 (2.9)  | 472 (32.9)   | 517 (36.0)   | 399 (27.8)     |
| 2      |                  |                  | 13 (2.1)  | 202 (33.2)   | 203 (33.3)   | 191 (31.4)     |
| 3+     | <5               |                  | 11 (3.0)  | 124 (33.5)   | 117 (31.6)   | 115 (31.1)     |
| Total  | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |

Table 34. Subsequent induction methods following prostaglandins induction, cohort 2

| Parity | N (%)            |                  |           |              |              |                |
|--------|------------------|------------------|-----------|--------------|--------------|----------------|
|        | Cervical Balloon | Cervical Dilator | Missing   | Non-ripening | None         | Prostaglandins |
| 0      | 32 (0.6)         | 5 (0.1)          | 189 (3.4) | 1,542 (27.8) | 1,722 (31.1) | 2,053 (37.0)   |
| 1      | <5               |                  | 108 (4.2) | 826 (32.1)   | 751 (29.2)   | 885 (34.4)     |
| 2      | <5               |                  | 73 (5.7)  | 426 (33.5)   | 321 (25.3)   | 447 (35.2)     |
| 3+     |                  | <5               | 38 (4.8)  | 277 (34.7)   | 204 (25.5)   | 279 (34.9)     |
| Total  | 37 (0.4)         | 6 (0.1)          | 408 (4.0) | 3,071 (30.2) | 2,998 (29.4) | 3,664 (36.0)   |

Table 35. Subsequent induction methods following prostaglandins induction, all defined inductions

| Gestational age | Cervical Balloon | Cervical Dilator | Missing   | N (%)        |              |                |
|-----------------|------------------|------------------|-----------|--------------|--------------|----------------|
|                 |                  |                  |           | Non-ripening | none         | prostaglandins |
| 37 weeks        | 5 (0.2)          | <5               | 90 (3.8)  | 797 (33.8)   | 591 (25.0)   | 875 (37.1)     |
| 38 weeks        | 19 (0.5)         | 5 (0.1)          | 132 (3.8) | 1,107 (31.5) | 898 (25.6)   | 1,348 (38.4)   |
| 39 weeks        | 19 (0.4)         | <5               | 201 (4.1) | 1,464 (29.6) | 1,460 (29.5) | 1,797 (36.3)   |
| 40 weeks        | 5 (0.2)          | <5               | 96 (3.2)  | 828 (27.7)   | 1,090 (36.4) | 969 (32.4)     |
| 41 weeks        | 5 (0.2)          | <5               | 65 (2.8)  | 658 (27.9)   | 948 (40.2)   | 684 (29.0)     |
| 42+ weeks       | <5               |                  |           | 20 (41.7)    | 24 (50.0)    | <5             |
| Total           | 54 (0.3)         | 16 (0.1)         | 584 (3.6) | 4,874 (30.1) | 5,011 (30.9) | 5,676 (35.0)   |

Table 36. Subsequent induction methods following prostaglandins induction, cohort 2

| Gestational age | N (%)            |                  |           |              |              |                |
|-----------------|------------------|------------------|-----------|--------------|--------------|----------------|
|                 | Cervical Balloon | Cervical Dilator | Missing   | Non-ripening | none         | prostaglandins |
| 37 weeks        | <5               | <5               | 29 (3.5)  | 272 (33.1)   | 224 (27.3)   | 292 (35.6)     |
| 38 weeks        | 5 (0.4)          | <5               | 42 (3.3)  | 392 (30.9)   | 336 (26.5)   | 491 (38.7)     |
| 39 weeks        | 5 (0.3)          | <5               | 44 (2.7)  | 517 (31.2)   | 546 (33.0)   | 541 (32.7)     |
| 40 weeks        | <5               | <5               | 28 (2.6)  | 296 (27.7)   | 396 (37.0)   | 347 (32.5)     |
| 41 weeks        |                  | <5               | 28 (3.0)  | 255 (27.4)   | 389 (41.8)   | 258 (27.7)     |
| 42+ weeks       | <5               |                  |           | <5           | <5           | <5             |
| Total           | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |

Table 37. Subsequent induction methods following prostaglandins induction, cohort 2

| Gestational age | Cervical Balloon | Cervical Dilator | Missing   | N (%)        |              |                |
|-----------------|------------------|------------------|-----------|--------------|--------------|----------------|
|                 |                  |                  |           | Non-ripening | None         | Prostaglandins |
| 37 weeks        | <5               | <5               | 60 (3.9)  | 523 (34.2)   | 365 (23.9)   | 577 (37.7)     |
| 38 weeks        | 13 (0.6)         | <5               | 90 (4.1)  | 709 (32.0)   | 553 (24.9)   | 850 (38.3)     |
| 39 weeks        | 14 (0.4)         | <5               | 156 (4.8) | 937 (28.8)   | 901 (27.7)   | 1,239 (38.1)   |
| 40 weeks        | <5               | <5               | 67 (3.6)  | 524 (27.9)   | 681 (36.3)   | 601 (32.0)     |
| 41 weeks        | <5               |                  | 35 (2.7)  | 363 (28.5)   | 477 (37.4)   | 396 (31.1)     |
| 42+ weeks       |                  |                  |           | 15 (40.5)    | 21 (56.8)    | <5             |
| Total           | 37 (0.4)         | 6 (0.1)          | 408 (4.0) | 3,071 (30.2) | 2,998 (29.4) | 3,664 (36.0)   |



Table 38. Subsequent induction methods following prostaglandins induction, all defined inductions by setting

| IOL type                                      | N (%)            |                  |           |              |              |                |
|---|------------------|------------------|-----------|--------------|--------------|----------------|
|   | Cervical Balloon | Cervical Dilator | Missing   | Non-ripening | None         | Prostaglandins |
| In-hospital cervical ripening only            | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |
| Home cervical ripening                        | <5               | <5               | <5        | 56 (23.5)    | 106 (44.5)   | 69 (29.0)      |
| In-hospital cervical ripening, mixed hospital | 37 (0.4)         | 6 (0.1)          | 408 (4.0) | 3,071 (30.2) | 2,998 (29.4) | 3,664 (36.0)   |
| Unable to determine                           |                  |                  | <5        | 11 (28.9)    | 14 (36.8)    | 12 (31.6)      |

|       |          |          |           |              |              |              |
|-------|----------|----------|-----------|--------------|--------------|--------------|
| Total | 54 (0.3) | 16 (0.1) | 584 (3.6) | 4,874 (30.1) | 5,011 (30.9) | 5,676 (35.0) |
|-------|----------|----------|-----------|--------------|--------------|--------------|

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Table 39. Subsequent induction methods following prostaglandins induction, cohort 2

| IOL type                           | N (%)            |                  |           |              |              |                |
|------------------------------------|------------------|------------------|-----------|--------------|--------------|----------------|
|                                    | Cervical Balloon | Cervical Dilator | Missing   | Non-ripening | None         | Prostaglandins |
| In-hospital cervical ripening only | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |
| Total                              | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |

Table 40. Subsequent induction methods following prostaglandins induction, cohort 2

| IOL type                           | N (%)            |                  |           |              |              |                |
|------------------------------------|------------------|------------------|-----------|--------------|--------------|----------------|
|                                    | Cervical Balloon | Cervical Dilator | Missing   | Non-ripening | None         | Prostaglandins |
| In-hospital cervical ripening only | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |
| Total                              | 15 (0.3)         | 9 (0.2)          | 171 (3.0) | 1,736 (30.2) | 1,893 (32.9) | 1,931 (33.6)   |

Table 41: Percentage of women with more than one type of cervical ripening method by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>N (%) |
|---|---|
| NHS Borders   | 11/170 (6.5)                                    |
| NHS Fife  | 6/756 (0.8)                                     |
| NHS Grampian  | 32/759 (4.2)                                    |
| NHS Highland  | <5  |
| NHS Lanarkshire   | 8/1,050 (0.8)                                   |
| NHS Tayside   | 14/753 (1.9)                                    |
| Ashford and St. Peter's Hospital Maternity                | 6/852 (0.7)                                     |
| Birmingham Women's and<br>Children's NHS Foundation Trust | <5  |
| Darlington Memorial Hospital                              | <5  |
| University Hospital Of North Durham (Maternity)           | <5  |
| Dorset County Hospital                                    | <5  |
| Epsom General (Maternity)                                 | 13/653 (2.0)                                    |

|  |                  |
|--|------------------|
| St Helier (Maternity)                          | 99/793 (12.5)    |
| Hereford County Maternity                      | <5               |
| Princess Royal University Hospital             | <5               |
| Denmark Hill Maternity                         | <5               |
| Chorley and South Ribble Hospital              | <5               |
| Royal Preston Hospital                         | <5               |
| Cumberland Infirmary (Maternity)               | <5               |
| West Cumberland Hospital (Mat)                 | <5               |
| <hr/>  |                  |
| Queen Elizabeth Hospital Gateshead (Maternity) | 22/1,009 (2.2)   |
| Warwick Hospital                               | 6/608 (1.0)      |
| Queen Elizabeth Maternity Kings Lynn           | <5               |
| New Cross Maternity Hospital                   | <5               |
| Manor Hospital Walsall                         | <5               |
| Worcestershire Royal Maternity Hospital        | 6/1,561 (0.4)    |
| Total  | 248/17,530 (1.4) |
| <hr/>  |                  |



Table 42. Percentage of women with more than one type of cervical ripening method by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--------|---|---|---|--|
| 0      | 210/9,395 (2.2)                                 | 21/339 (6.2)  | 16/2,465 (0.7)  | 36/3,973 (0.9)   |
| 1      | 20/4,658 (0.4)                                  | <5  | 5/1,131 (0.4)   | <5   |
| 2      | 10/2,099 (0.5)                                  | <5  | <5  | <5   |
| 3+     | 8/1,378 (0.6)                                   | <5  | <5  | <5   |
| Total  | 248/17,530 (1.4)                                | 24/515 (4.7)  | 24/4,332 (0.6)  | 41/7,397 (0.6)   |



Table 43. Percentage of women with more than one type of cervical ripening method by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) |
|------------------------------|---|
| 37 weeks                     | 45/2,297 (2.0)                                  |
| 38 weeks                     | 63/3,548 (1.8)                                  |
| 39 weeks                     | 69/5,221 (1.3)                                  |
| 40 weeks                     | 36/3,441 (1.1)                                  |
| 41 weeks                     | 33/2,867 (1.2)                                  |
| 42+ weeks                    | <5  |
| Total                        |   |

Table 44: Median and IQR cervical dilation at commencement (cm) by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>Median (IQR), (n) | Mixed hospital, at home<br>balloon cervicalripening<br>(cohort 1)<br>Median (IQR), (n) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR), (n) | Mixed hospital,<br>inhospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR), (n) |
|---|---|--|--|---|
| NHS Borders   | 1.00 (1.00, 1.00), (121)                                    | 1.00 (1.00, 1.00), n=31  |  | 1.00 (0.00, 1.00), n=29   |
| NHS Fife  | 1.00 (1.00, 1.50), (653)                                    |  | 1.00 (0.50, 1.50), n=621   |   |
| NHS Grampian  | 1.00 (0.50, 1.50), (488)                                    | 1.00 (1.00, 1.50), n=231   |  | 0.00 (0.00, 1.00), n=97   |
| NHS Highland  | 1.00 (0.00, 1.00), n=333                                    |  |  | 1.00 (0.00, 1.00),<br>n=302   |
| NHS Lanarkshire   | 1.00 (0.00, 1.00), n=732                                    | 1.00 (1.00, 1.00), n=5   |  | 1.00 (0.00, 1.00),<br>n=699   |
| NHS Tayside   | 1.00 (0.00, 1.00), n=336                                    | 1.00 (0.00, 1.00), n=169   |  | 0.00 (0.00, 1.00), n=65   |
| Ashford and St. Peter's Hospital Maternity                | 1.00 (0.00, 1.00), n=754                                    |  |  | 0.50 (0.00, 1.00),<br>n=606   |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 1.00 (0.00, 1.00), n=2269                                   |  |  | 1.00 (0.00, 1.00),<br>n=2179  |
| Darlington Memorial Hospital                              | 1.00 (1.00, 1.25), n=84                                     | 1.50 (1.00, 2.00), n=11  |  | 1.00 (0.00, 1.00),<br>n=52  |
| University Hospital Of North Durham (Maternity)           | 1.00 (1.00, 1.00), n=77                                     | 1.00 (1.00, 1.00), n=38  |  | 0.50 (0.00, 1.00), n=4  |
| Dorset County Hospital                                    | 1.00 (0.00, 1.00), n=234                                    |  | 1.00 (0.00, 1.00), n=188   |   |

Table 45: Median and IQR dilation at commencement (cm) by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR), (n | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR), (n | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR), (n | Mixed hospital,<br>inhospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR), (n |
|--------|--|--|---|---|
| 0      | 1.00 (0.00, 1.00),<br>n=7420                               | 1.00 (0.00, 1.00), n=321   | 1.00 (0.00, 1.00),<br>n=2296  | 0.50 (0.00, 1.00),<br>n=3682  |
| 1      | 1.00 (0.50, 2.00),<br>n=3483                               | 1.00 (1.00, 1.25), n=112   | 1.00 (0.50, 1.50),<br>n=1051  | 1.00 (0.00, 1.00),<br>n=1791  |
| 2      | 1.00 (1.00, 2.00),<br>n=1568                               | 1.00 (1.00, 1.50), n=39  | 1.00 (1.00, 1.50), n=441  | 1.00 (0.50, 1.00),<br>n=845   |
| 3+     | 1.00 (1.00, 2.00), n=982                                   | 1.50 (1.00, 2.00), n=17  | 1.00 (1.00, 1.50), n=259  | 1.00 (0.50, 1.00),<br>n=534   |
| Total  | 1.00 (0.00, 1.00),<br>n=13453                              | 1.00 (0.50, 1.00), n=489   | 1.00 (0.00, 1.00),<br>n=4047  | 1.00 (0.00, 1.00),<br>n=6852  |

Table 47. Maternal age in years at induction by site.

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|---|--|--|---|--|
| NHS Borders   | 30 (25, 34), n=170                                     | 30 (27, 33), n=33  |   | 30 (26, 35), n=30  |
| NHS Fife  | 29 (25, 33), n=756                                     |  | 29 (25, 34), n=631  |  |
| NHS Grampian  | 30 (26, 34), n=759                                     | 30 (26, 34), n=235   |   | 30 (27, 34), n=104   |
| NHS Highland  | 30 (26, 34), n=462                                     |  |   | 30 (26, 34), n=334   |
| NHS Lanarkshire   | 30 (26, 33), n=1050                                    | 29 (29, 36), n=5   |   | 30 (26, 33), n=794   |
| NHS Tayside   | 30 (26, 34), n=753                                     | 31 (27, 35), n=181   |   | 30 (25, 35), n=81  |
| Ashford and St. Peter's Hospital<br>Maternity             | 32 (28, 35), n=852                                     |  |   | 32 (28, 35), n=618   |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 30 (26, 34), n=2664                                    |  |   | 30 (26, 34), n=2286  |

|   |                    |                   |                    |
|---|--------------------|-------------------|--------------------|
| Darlington Memorial Hospital                    | 28 (24, 32), n=143 | 29 (22, 31), n=11 | 27 (24, 31), n=62  |
| University Hospital Of North Durham (Maternity) | 29 (25, 33), n=164 | 28 (25, 32), n=43 | 35 (32, 36), n=5   |
| Dorset County Hospital                          | 30 (26, 34), n=387 |                   | 30 (27, 33), n=270 |
| Epsom General (Maternity)                       | 31 (28, 35), n=653 | -                 | 33 (30, 36), n=165 |
| St Helier (Maternity)                           | 31 (27, 34), n=793 | -                 | 31 (27, 35), n=309 |
| Hereford County Maternity                       | 29 (26, 33), n=585 |                   | 29 (26, 33), n=495 |
| Princess Royal University Hospital              | 32 (28, 35), n=142 |                   | 32 (28, 35), n=141 |

|   |                     |                    |                    |
|---|---------------------|--------------------|--------------------|
| Denmark Hill Maternity                            | 33 (30, 36), n=160  |                    | 33 (29, 36), n=116 |
| Royal Preston Hospital                            | 29 (25, 33), n=1070 |                    | 29 (25, 33), n=863 |
| Cumberland Infirmary<br>(Maternity)               | 29 (25, 33), n=435  | 29 (26, 32), n=291 |                    |
| West Cumberland Hospital<br>(Mat)                 | 29 (25, 33), n=191  | 29 (24, 33), n=66  |                    |
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | 29 (25, 33), n=1009 |                    | 29 (25, 33), n=743 |
| Warwick Hospital                                  | 31 (27, 34), n=608  | 31 (27, 34), n=445 |                    |
| Queen Elizabeth Maternity Kings<br>Lynn           | 29 (25, 32), n=558  |                    | 28 (24, 32), n=392 |

|   |                      |                    |                     |                      |
|---|----------------------|--------------------|---------------------|----------------------|
| New Cross Maternity Hospital            | 29 (25, 33), n=1380  |                    | 29 (25, 33), n=1215 |                      |
| Manor Hospital Walsall                  | 29 (25, 33), n=224   |                    | 28 (25, 32), n=184  |                      |
| Worcestershire Royal Maternity Hospital | 29 (25, 33), n=1561  |                    | 29 (25, 33), n=1089 |                      |
| Total                                   | 30 (26, 34), n=17530 | 30 (26, 34), n=515 | 29 (25, 33), n=4332 | 30 (26, 34), n=7397n |

Table 45: Median and IQR Age at delivery by site

IQR = Interquartile range

Table 46: Median and IQR Age at delivery by parity and setting of cervical ripening

Table 48. Median and IQR age in years at induction by parity.

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--------|--|---|---|--|
| 0      | 29 (25, 32), n=9395                                    | 29 (25, 33), n=339  | 28 (24, 32), n=2465   | 29 (25, 32), n=3973  |
| 1      | 31 (27, 34), n=4658                                    | 31 (28, 35), n=118  | 30 (26, 34), n=1131   | 31 (27, 34), n=1936  |
| 2      | 32 (28, 35), n=2099                                    | 33 (29, 36), n=40   | 31 (28, 34), n=463  | 32 (28, 35), n=906   |



|       |                      |                    |                     |                     |
|-------|----------------------|--------------------|---------------------|---------------------|
| 3+    | 34 (30, 37), n=1378  | 35 (30, 38), n=18  | 34 (30, 37), n=273  | 34 (30, 37), n=582  |
| Total | 30 (26, 34), n=17530 | 30 (26, 34), n=515 | 29 (25, 33), n=4332 | 30 (26, 34), n=7397 |

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IQR = Interquartile range

Table 49: Median and IQR Age at delivery by gestational age at induction and setting of cervical ripening

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>Ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------------|--|---|--|--|
| 37 weeks                     | 29 (26, 33), n=2297                                    | 31 (27, 35), n=50   | 29 (25, 33), n=584   | 29 (26, 33), n=1056  |
| 38 weeks                     | 30 (26, 34), n=3548                                    | 30 (26, 33), n=85   | 29 (25, 34), n=894   | 30 (26, 34), n=1547  |
| 39 weeks                     | 30 (26, 34), n=5221                                    | 30 (27, 34), n=163  | 29 (25, 33), n=1267  | 30 (26, 34), n=2330  |
| 40 weeks                     | 30 (26, 34), n=3441                                    | 29 (25, 34), n=81   | 29 (25, 33), n=826   | 30 (26, 34), n=1448  |
| 41 weeks                     | 30 (26, 33), n=2867                                    | 29 (26, 34), n=129  | 30 (26, 33), n=753   | 30 (27, 33), n=980   |
| 42+ weeks                    | 31 (27, 34), n=156                                     | 33 (31, 34), n=7  | 29 (25, 33), n=8   | 32 (30, 35), n=36  |
| Total                        | 30 (26, 34), n=17530                                   | 30 (26, 34), n=515  | 29 (25, 33), n=4332  | 30 (26, 34), n=7397  |

IQR = Interquartile range

Table 50. Median and IQR Age at delivery by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|---|---|--|
| In-hospital cervical ripening only               | 29 (25, 33), n=5684                                    |   | 29 (25, 33), n=4332   |  |
| Home cervical ripening                           | 30 (26, 34), n=801                                     | 30 (26, 34), n=515  |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 30 (26, 34), n=10995                                   |   |   | 30 (26, 34), n=7397  |
| Unable to determine                              | 31 (26, 35), n=50                                      |   |   |  |
| <b>Total</b>                                     | <b>30 (26, 34), n=17530</b>                            | <b>30 (26, 34), n=515</b>   | <b>29 (25, 33), n=4332</b>  | <b>30 (26, 34), n=7397</b>   |

IQR = Interquartile range

Table 51: Median and IQR BMI at Booking (or earliest record) by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)Median<br>(IQR) |
|---|--|--|---|---|
| NHS Borders   | 27.9 (24.3, 32.6),<br>n=170                            | 28.3 (25.6, 31.4), n=33  |   | 28.4 (24.9, 33.6), n=30   |
| NHS Fife  | 28.1 (24.2, 33.0),<br>n=701                            |  | 28.38 (24.3, 33.5),<br>n=586  |   |
| NHS Grampian  | 26.6 (23.2, 32.0),<br>n=734                            | 26.5 (22.8, 30.9),<br>n=226  |   | 26.4 (23.5, 32.0),<br>n=103   |
| NHS Highland  | 26.0 (22.7, 31.6),<br>n=460                            |  |   | 26.6 (22.9, 32.1),<br>n=332   |
| NHS Lanarkshire   | 27.6 (23.7, 32.5),<br>n=1025                           | 23.5 (22.3, 28.0), n=5   |   | 27.9 (24.0, 32.9),<br>n=775   |
| NHS Tayside   | 27.0 (23.5, 32.3),<br>n=696                            | 27.4 (24.0, 33.6), n=163   |   | 26.5 (23.3, 32.0), n=79   |
| Ashford and St. Peter's Hospital<br>Maternity             | 25.6 (22.7, 29.6),<br>n=805                            |  |   | 25.8 (23.1, 30.9),<br>n=593   |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 26.9 (23.3, 31.5),<br>n=2346                           |  |   | 27.0 (23.5, 31.9),<br>n=2005  |

|  |                              |                         |                             |
|--|------------------------------|-------------------------|-----------------------------|
| Darlington Memorial Hospital                       | 26.7 (23.5, 33.5),<br>n=131  | 25.2 (24.0, 26.6), n=10 | 27.6 (23.9, 33.3), n=54     |
| University Hospital Of North<br>Durham (Maternity) | 26.9 (23.2, 31.7),<br>n=159  | 26.8 (24.1, 30.9), n=43 | 29.7 (28.6, 31.4), n=5      |
| Dorset County Hospital                             | 27.0 (23.4, 31.6),<br>n=334  |                         | 27.6 (23.5, 31.9),<br>n=235 |
| Epsom General (Maternity)                          | 26.1 (22.8, 30.5),<br>n=651  | <5                      | 27.3 (23.8, 30.9),<br>n=165 |
| St Helier (Maternity)                              | 26.1 (22.9, 30.3),<br>n=788  | <5                      | 26.1 (22.9, 30.8),<br>n=307 |
| Hereford County Maternity                          | 26.7 (23.3, 31.9),<br>n=573  |                         | 26.7 (23.3, 31.8),<br>n=485 |
| Princess Royal University<br>Hospital              | 26.8 (23.9, 30.7),<br>n=130  |                         | 26.8 (24.1, 30.7),<br>n=129 |
| Denmark Hill Maternity                             | 25.5 (21.9, 30.0),<br>n=154  |                         | 25.7 (22.2, 30.5),<br>n=111 |
| Chorley and South Ribble<br>Hospital               | -                            |                         |                             |
| Royal Preston Hospital                             | 26.9 (22.9, 31.6),<br>n=1051 |                         | 27.1 (23.1, 32.2),<br>n=848 |

|   |                               |                          |                              |                              |
|---|-------------------------------|--------------------------|------------------------------|------------------------------|
| Cumberland Infirmary<br>(Maternity)               | 26.7 (22.7, 31.7),<br>n=426   |                          | 27.4 (23.2, 31.7),<br>n=285  |                              |
| West Cumberland Hospital<br>(Mat)                 | 27.7 (24.0, 32.8),<br>n=191   |                          | 28.44 (23.7, 32.7),<br>n=66  |                              |
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | 27.5 (24.1, 32.8),<br>n=975   |                          |                              | 28.1 (24.4, 33.0),<br>n=719  |
| Warwick Hospital                                  | 25.7 (22.7, 30.4),<br>n=583   |                          | 26.0 (22.9, 30.5),<br>n=429  |                              |
| Queen Elizabeth Maternity Kings<br>Lynn           | 27.7 (23.6, 32.9),<br>n=509   |                          |                              | 28.0 (23.6, 33.6),<br>n=351  |
| New Cross Maternity Hospital                      | 27.9 (24.2, 32.7),<br>n=1221  |                          | 28.0 (24.2, 32.8),<br>n=1076 |                              |
| Manor Hospital Walsall                            | 27.0 (23.4, 32.6),<br>n=176   |                          | 26.9 (23.2, 32.8),<br>n=142  |                              |
| Worcestershire Royal Maternity<br>Hospital        | 26.7 (23.1, 31.5),<br>n=1519  |                          | 27.0 (23.2, 31.9),<br>n=1065 |                              |
| Total   | 26.9 (23.3, 31.8),<br>n=16509 | 26.8 (23.4, 31.6), n=487 | 27.4 (23.6, 32.2),<br>n=4013 | 27.0 (23.5, 32.1),<br>n=6962 |

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IQR = Interquartile range

Table 52: Median and IQR BMI at Booking (or earliest record) by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)Median<br>(IQR) |
|--------|--|--|---|---|
| 0      | 26.4 (23.0, 31.2),<br>n=8866                           | 26.2 (23.0, 30.9), n=323   | 26.9 (23.3, 31.6),<br>n=2287  | 26.5 (23.1, 31.4),<br>n=3747  |
| 1      | 27.11 (23.5, 32.1),<br>n=4387                          | 27.4 (23.8, 31.5), n=110   | 27.8 (23.9, 32.7),<br>n=1044  | 27.5 (23.5, 32.4),<br>n=1833  |
| 2      | 27.3 (23.7, 32.7),<br>n=1981                           | 28.9 (24.8, 33.2), n=37  | 28.6 (24.4, 33.3),<br>n=438   | 27.4 (23.9, 33.4),<br>n=846   |
| 3+     | 28.5 (24.6, 33.3),<br>n=1275                           | 34.4 (28.7, 35.4), n=17  | 29.2 (25.1, 34.2),<br>n=244   | 28.4 (24.8, 32.9),<br>n=536   |
| Total  | 26.9 (23.3, 31.8),<br>n=16509                          | 26.8 (23.4, 31.6), n=487   | 27.4 (23.6, 32.2),<br>n=4013  | 27.0 (23.5, 32.1),<br>n=6962  |

IQR = Interquartile range

Table 51: Median and IQR BMI at Booking (or earliest record) by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2) Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1) Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2) Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) Median (IQR) |
|------------------------------|--|---|---|---|
| 37 weeks                     | 27.3 (23.5, 32.5), n=2157                        | 28.0 (24.2, 32.5), n=47   | 27.3 (23.4, 32.6), n=545  | 27.3 (23.7, 32.6), n=987  |
| 38 weeks                     | 27.7 (23.6, 33.1), n=3337                        | 25.8 (22.1, 32.9), n=77   | 28.4 (24.0, 33.6), n=822  | 27.8 (23.9, 33.6), n=1467   |
| 39 weeks                     | 27.0 (23.3, 31.8), n=4891                        | 27.3 (23.5, 31.9), n=156  | 27.6 (23.9, 32.7), n=1177   | 27.1 (23.4, 31.9), n=2160   |
| 40 weeks                     | 26.6 (23.3, 31.2), n=3267                        | 26.8 (24.0, 31.4), n=80   | 27.4 (23.9, 31.8), n=764  | 26.4 (23.3, 31.1), n=1385   |
| 41 weeks                     | 26.2 (23.0, 30.3), n=2706                        | 26.40 (23.6, 30.5), n=120   | 26.4 (22.9, 30.2), n=698  | 26.8 (23.1, 30.7), n=929  |
| 42+ weeks                    | 25.1 (22.6, 28.5), n=151                         | 27.5 (26.0, 32.9), n=7  | 24.2 (22.3, 37.0), n=7  | 24.6 (22.5, 26.9), n=34   |
| Total                        | 26.9 (23.3, 31.8), n=16509                       | 26.8 (23.4, 31.6), n=487  | 27.4 (23.6, 32.2), n=4013   | 27.0 (23.5, 32.1), n=6962   |



Table 52: Percentage of class III obesity at Booking (or earliest record) by site

| Hospital or NHS Trust | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening (cohort 1)<br>n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N<br>(%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>n/N (%) |
|-----------------------|---|---|--|--|
| NHS Borders           | 12/170 (7.1)                                    |   |  | <5   |
| NHS Fife              | 54/701 (7.7)                                    |   | 44/586 (7.5)   |  |
| NHS Grampian          | 48/734 (6.5)                                    |   |  | 13/103 (12.6)  |

|   |                |              |
|---|----------------|--------------|
| NHS Highland                                  | 22/460 (4.8)   | 15/332 (4.5) |
| NHS Lanarkshire                               | 69/1,025 (6.7) | 56/775 (7.2) |
| NHS Tayside                                   | 42/696 (6.0)   | <5           |
| Ashford and St. Peter's Hospital<br>Maternity | 27/805 (3.4)   | 26/593 (4.4) |

|  |                 |              |                 |
|--|-----------------|--------------|-----------------|
| Birmingham Women's and Children's NHS Foundation Trust | 126/2,346 (5.4) |              | 110/2,005 (5.5) |
| Darlington Memorial Hospital                           | 5/131 (3.8)     |              | <5              |
| University Hospital Of North Durham (Maternity)        | 9/159 (5.7)     |              | <5              |
| Dorset County Hospital                                 | 21/334 (6.3)    | 14/235 (6.0) |                 |

|                                       |              |             |              |
|---------------------------------------|--------------|-------------|--------------|
| Epsom General (Maternity)             | 22/651 (3.4) |             | 7/165 (4.2)  |
| St Helier (Maternity)                 | 36/788 (4.6) |             | 17/307 (5.5) |
| Hereford County Maternity             | 27/573 (4.7) |             | 22/485 (4.5) |
| Princess Royal University<br>Hospital | 6/130 (4.6)  | 6/129 (4.7) |              |

|                                     |                |              |              |
|-------------------------------------|----------------|--------------|--------------|
| Denmark Hill Maternity              | 9/154 (5.8)    |              | 9/111 (8.1)  |
| Royal Preston Hospital              | 58/1,051 (5.5) |              | 49/848 (5.8) |
| Cumberland Infirmary<br>(Maternity) | 19/426 (4.5)   | 16/285 (5.6) |              |
| West Cumberland Hospital<br>(Mat)   | 14/191 (7.3)   | <5           |              |

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|   |              |              |
|---|--------------|--------------|
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | 84/975 (8.6) | 65/719 (9.0) |
|---|--------------|--------------|

|                  |              |              |
|------------------|--------------|--------------|
| Warwick Hospital | 24/583 (4.1) | 19/429 (4.4) |
|------------------|--------------|--------------|

|   |              |              |
|---|--------------|--------------|
| Queen Elizabeth Maternity<br>Kings Lynn | 43/509 (8.5) | 34/351 (9.7) |
|---|--------------|--------------|

|                              |                |                |
|------------------------------|----------------|----------------|
| New Cross Maternity Hospital | 95/1,221 (7.8) | 90/1,076 (8.4) |
|------------------------------|----------------|----------------|

|  |                  |              |                 |                 |
|--|------------------|--------------|-----------------|-----------------|
| Manor Hospital Walsall                     | 14/176 (7.9)     |              | 11/142 (7.8)    |                 |
| Worcestershire Royal<br>Maternity Hospital | 72/1,519 (4.7)   |              | 55/1,065 (5.2)  |                 |
| Total                                      | 958/16,509 (5.8) | 24/487 (4.9) | 259/4,013 (6.5) | 430/6,962 (6.2) |

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Table 53: Percentage of class III obesity at Booking (or earliest record) by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--------|---|--|---|---|
| 0      | 471/8,866 (5.3)                                 | 11/323 (3.4)   | 131/2,287 (5.7)   | 220/3,747 (5.9)   |
| 1      | 264/4,387 (6.0)                                 | 8/110 (7.3)  | 67/1,044 (6.4)  | 119/1,833 (6.5)   |
| 2      | 126/1,981 (6.4)                                 | <5   | 35/438 (8.0)  | 59/846 (7.0)  |
| 3+     | 97/1,275 (7.6)                                  | <5   | 26/244 (10.7)   | 32/536 (6.0)  |
| Total  | 958/16,509 (5.8)                                | 24/487 (4.9)   | 259/4,013 (6.5)   | 430/6,962 (6.2)   |



Table 54: Percentage of class III obesity at Booking (or earliest record) by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|------------------------------|---|--|---|--|
| 37 weeks                     | 143/2,157 (6.6)                                 | <5   | 43/545 (7.9)  | 62/987 (6.3)   |
| 38 weeks                     | 273/3,337 (8.2)                                 | 6/77 (7.8)   | 73/822 (8.9)  | 134/1,467 (9.1)  |
| 39 weeks                     | 276/4,891 (5.6)                                 | 11/156 (7.1)   | 79/1,177 (6.7)  | 122/2,160 (5.7)  |
| 40 weeks                     | 169/3,267 (5.2)                                 | <5   | 44/764 (5.8)  | 73/1,385 (5.3)   |
| 41 weeks                     | 91/2,706 (3.4)                                  | <5   | 20/698 (2.9%)   | 39/929 (4.2)   |
| 42+ weeks                    | 6/151 (4.0)                                     | <5   | <5  | <5   |
| Total                        | 958/16,509 (5.8)                                | 24/487 (4.9)   | 259/4,013 (6.5)   | 430/6,962 (6.2)  |

Table 55: Percentage of class III obesity at Booking (or earliest record) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin<br>cervical ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|---|
| In-hospital cervical ripening<br>only            | 319/5,281 (6.0)                                 |  | 259/4,013 (6.5)   |   |
| Home cervical ripening                           | 35/758 (4.6)                                    | 24/487 (4.9)   |   |   |
| In-hospital cervical ripening,<br>mixed hospital | 602/10,424 (5.8)                                |  |   | 430/6,962 (6.2)   |
| Unable to determine                              | <5  |  |   |   |
| Total  | 958/16,509 (5.8)                                | 24/487 (4.9)   | 259/4,013 (6.5%)  | 430/6,962 (6.2%)  |

Table 56: Median and IQR gestational age at IOL by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|---|--|---|---|--|
| NHS Borders   | 39.5 (38.6, 41.0), n=170                               | 40.2 (39.0, 41.3), n=33   |   | 39.1 (38.2, 40.2), n=30  |
| NHS Fife  | 40.0 (38.5, 41.1), n=756                               |   | 40.0 (38.5, 41.1), n=631  |  |
| NHS Grampian  | 39.3 (38.4, 40.5), n=759                               | 39.3 (38.4, 40.4), n=235  |   | 39.2 (38.5, 40.3), n=104   |
| NHS Highland  | 39.1 (38.2, 40.2), n=462                               |   |   | 39.1 (38.1, 40.1), n=334   |
| NHS Lanarkshire   | 39.6 (38.6, 40.6), n=1050                              | 39.3 (39.2, 41.5), n=5  |   | 39.5 (38.6, 40.6), n=794   |
| NHS Tayside   | 39.3 (38.4, 40.4), n=753                               | 39.5 (38.6, 41.0), n=181  |   | 38.6 (38.0, 39.6), n=81  |
| Ashford and St. Peter's<br>Hospital Maternity                   | 39.3 (38.3, 40.4), n=852                               |   |   | 39.3 (38.3, 40.2), n=618   |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | 39.2 (38.4, 40.1), n=2664                              |   |   | 39.2 (38.3, 40.0), n=2286  |
| Darlington Memorial<br>Hospital                                 | 39.1 (38.2, 40.0), n=143                               | 40.6 (39.6, 41.0), n=11   |   | 39.1 (38.5, 39.6), n=62  |

|   |                           |                         |                          |
|---|---------------------------|-------------------------|--------------------------|
| University Hospital Of North Durham (Maternity) | 39.2 (38.3, 40.5), n=164  | 39.3 (39.0, 40.6), n=43 | 39.1 (38.3, 41.0), n=5   |
| Dorset County Hospital                          | 39.2 (38.2, 40.2), n=387  |                         | 39.1 (38.1, 40.2), n=270 |
| Epsom General (Maternity)                       | 39.2 (38.3, 40.2), n=653  | 41.2 (37.1, 41.5), n=<5 | 39.1 (38.2, 40.1), n=165 |
| St Helier (Maternity)                           | 39.1 (38.1, 40.1), n=793  | 40.9 (38.8, 41.8), n=<5 | 38.6 (38.0, 39.6), n=309 |
| Hereford County Maternity                       | 39.2 (38.2, 40.2), n=585  |                         | 39.2 (38.2, 40.1), n=495 |
| Princess Royal University Hospital              | 39.40 (38.4, 40.5), n=142 |                         | 39.4 (38.4, 40.5), n=141 |
| Denmark Hill Maternity                          | 39.5 (38.5, 40.6), n=160  |                         | 39.4 (38.4, 40.4), n=116 |
| Royal Preston Hospital                          | 39.2 (38.2, 40.3), n=1070 |                         | 39.2 (38.2, 40.1), n=863 |
| Cumberland Infirmary (Maternity)                | 39.3 (38.4, 40.4), n=435  |                         | 39.3 (38.3, 40.4), n=291 |
| West Cumberland Hospital (Mat)                  | 39.2 (38.3, 40.3), n=191  |                         | 39.0 (38.1, 40.0), n=66  |
| Queen Elizabeth Hospital Gateshead (Maternity)  | 39.1 (38.2, 40.2), n=1009 |                         | 39.1 (38.1, 40.1), n=743 |

|  |                               |                          |                           |                           |
|--|-------------------------------|--------------------------|---------------------------|---------------------------|
| Warwick Hospital                           | 39.3 (38.3, 40.3), n=608      |                          | 39.2 (38.3, 40.1), n=445  |                           |
| Queen Elizabeth<br>Maternity Kings Lynn    | 39.4 (38.4, 40.3), n=558      |                          |                           | 39.3 (38.3, 40.1), n=392  |
| New Cross Maternity<br>Hospital            | 39.3 (38.4, 40.2), n=1380     |                          | 39.2 (38.4, 40.2), n=1215 |                           |
| Manor Hospital Walsall                     | 39.0 (38.1, 40.0), n=224      |                          | 39.1 (38.1, 40.0), n=184  |                           |
| Worcestershire Royal<br>Maternity Hospital | 39.1 (38.3, 40.2), n=1561     |                          | 39.0 (38.1, 40.0), n=1089 |                           |
| Total                                      | 39.2 (38.3, 40.3),<br>n=17530 | 39.4 (38.6, 41.0), n=515 | 39.2 (38.3, 40.2), n=4332 | 39.2 (38.3, 40.1), n=7397 |

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Table 57: Median and IQR gestational age at IOL by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only, prostaglandin<br>cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--------|--|--|---|--|
| 0      | 39.4 (38.5, 40.5), n=9395                              | 39.6 (39.0, 41.1), n=339   | 39.4 (38.5, 40.4), n=2465   | 39.3 (38.5, 40.3),<br>n=3973   |
| 1      | 39.2 (38.3, 40.2), n=4658                              | 39.3 (38.3, 40.3), n=118   | 39.1 (38.1, 40.1), n=1131   | 39.1 (38.2, 40.1),<br>n=1936   |
| 2      | 39.0 (38.1, 40.0), n=2099                              | 38.2 (37.6, 39.3), n=40  | 39.0 (38.0, 40.0), n=463  | 39.0 (38.1, 39.6),<br>n=906  |
| 3+     | 39.0 (38.0, 39.5), n=1378                              | 39.2 (37.6, 40.0), n=18  | 38.6 (38.1, 39.3), n=273  | 38.6 (38.0, 39.5),<br>n=582  |
| Total  | 39.2 (38.3, 40.3), n=17530                             | 39.4 (38.6, 41.0), n=515   | 39.2 (38.3, 40.2), n=4332   | 39.2 (38.3, 40.1),<br>n=7397   |

Table 58: Median and IQR gestational age at IOL by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|---|---|--|
| In-hospital cervical ripening only               | 39.3 (38.3, 40.3),<br>n=5684                           |   | 39.2 (38.3, 40.2),<br>n=4332  |  |
| Home cervical ripening                           | 40.0 (39.0, 41.3),<br>n=801                            | 39.4 (38.6, 41.0), n=515  |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 39.2 (38.3, 40.2),<br>n=10995                          |   |   | 39.2 (38.3, 40.1),<br>n=7397   |
| Unable to determine                              | 39.4 (38.5, 40.3),<br>n=50                             |   |   |  |
| Total  | 39.2 (38.3, 40.3),<br>n=17530                          | 39.4 (38.6, 41.0), n=515  | 39.2 (38.3, 40.2),<br>n=4332  | 39.2 (38.3, 40.1),<br>n=7397   |

Table 59. Median and IQR Birthweight (g) by site

| Hospital or NHS Trust                                  | Confirmed inductions(population 2)Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1) Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2) Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) Median (IQR) |
|--|--|---|---|---|
| NHS Borders  | 3505 (3050, 3800), n=170                       | 3640 (3350, 3840), n=33   |   | 3440 (3050, 3800), n=30   |
| NHS Fife   | 3512 (3182, 3860), n=756                       |   | 3515 (3180, 3860), n=631  |   |
| NHS Grampian   | 3500 (3140, 3820), n=759                       | 3460 (3120, 3800), n=235  |   | 3510 (3180, 3860), n=104  |
| NHS Highland   | 3450 (3115, 3765), n=462                       |   |   | 3450 (3125, 3760), n=334  |
| NHS Lanarkshire  | 3490 (3130, 3815), n=1050                      | 3680 (3610, 3840), n=5  |   | 3490 (3150, 3820), n=794  |
| NHS Tayside  | 3500 (3145, 3840), n=751                       | 3600 (3300, 3900), n=181  |   | 3250 (3000, 3650), n=81   |
| Ashford and St. Peter's Hospital Maternity             | 3390 (3040, 3700), n=852                       |   |   | 3390 (3100, 3690), n=618  |
| Birmingham Women's and Children's NHS Foundation Trust | 3330 (3002, 3670), n=2664                      |   |   | 3327 (3005, 3665), n=2286   |
| Darlington Memorial Hospital                           | 3475 (3150, 3810), n=143                       | 3525 (3240, 3870), n=11   |   | 3497 (3130, 3850), n=62   |



|   |                              |                            |                             |
|---|------------------------------|----------------------------|-----------------------------|
| University Hospital Of North Durham (Maternity) | 3385 (3095, 3655),<br>n=164  | 3460 (3270, 3800),<br>n=43 | 3170 (3050, 3280), n=5      |
| Dorset County Hospital                          | 3440 (3030, 3758),<br>n=387  |                            | 3425 (3010, 3722),<br>n=270 |
| Epsom General (Maternity)                       | 3370 (3050, 3685),<br>n=653  | 3490 (3310, 3500),<br>n=<5 | 3260 (3000, 3638),<br>n=165 |
| St Helier (Maternity)                           | 3320 (3000, 3650),<br>n=793  | 3278 (2953, 3578),<br>n=<5 | 3320 (3020, 3605),<br>n=309 |
| Hereford County Maternity                       | 3414 (3080, 3794),<br>n=585  |                            | 3400 (3070, 3760),<br>n=495 |
| Princess Royal University Hospital              | 3397 (3090, 3695),<br>n=142  |                            | 3400 (3090, 3695),<br>n=141 |
| Denmark Hill Maternity                          | 3347 (3040, 3717),<br>n=160  |                            | 3322 (2997, 3637),<br>n=116 |
| Royal Preston Hospital                          | 3420 (3030, 3750),<br>n=1070 |                            | 3400 (3010, 3730),<br>n=863 |
| Cumberland Infirmary (Maternity)                | 3440 (3150, 3790),<br>n=435  |                            | 3410 (3110, 3760),<br>n=291 |
| West Cumberland Hospital (Mat)                  | 3430 (3060, 3790),<br>n=191  |                            | 3202 (2930, 3720),<br>n=66  |
| Queen Elizabeth Hospital Gateshead (Maternity)  | 3400 (3080, 3680),<br>n=1009 |                            | 3400 (3070, 3680),<br>n=743 |
| Warwick Hospital                                | 3445 (3110, 3767),<br>n=608  |                            | 3440 (3100, 3765),<br>n=445 |

|  |                               |                             |                              |                              |
|--|-------------------------------|-----------------------------|------------------------------|------------------------------|
| Queen Elizabeth Maternity<br>Kings Lynn    | 3452 (3110, 3785),<br>n=558   |                             |                              | 3445 (3082, 3775),<br>n=392  |
| New Cross Maternity Hospital               | 3380 (3030, 3690),<br>n=1380  |                             | 3370 (3020, 3690),<br>n=1215 |                              |
| Manor Hospital Walsall                     | 3340 (3005, 3660),<br>n=224   |                             | 3360 (3025, 3676),<br>n=184  |                              |
| Worcestershire Royal<br>Maternity Hospital | 3417 (3119, 3717),<br>n=1560  |                             | 3394 (3083, 3678),<br>n=1088 |                              |
| Total                                      | 3410 (3072,<br>3740), n=17527 | 3540 (3200, 3830),<br>n=515 | 3414 (3080, 3720),<br>n=4331 | 3380 (3050, 3710),<br>n=7397 |

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Table 60. Median and IQR Birthweight (g) by parity

| Parity | Confirmed inductions(population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|--------|--|--|--|--|
| 0      | 3402 (3076, 3726), n=9393                          | 3550 (3220, 3840), n=339   | 3410 (3083, 3720), n=2464  | 3380 (3055, 3705), n=3973  |
| 1      | 3445 (3100, 3780), n=4658                          | 3530 (3260, 3840), n=118   | 3440 (3090, 3748), n=1131  | 3420 (3060, 3745), n=1936  |
| 2      | 3380 (3052, 3720), n=2098                          | 3300 (3010, 3650), n=40  | 3370 (3075, 3700), n=463   | 3352 (3030, 3720), n=906   |
| 3+     | 3340 (3010, 3670), n=1378                          | 3710 (3300, 4000), n=18  | 3350 (2998, 3716), n=273   | 3310 (2965, 3620), n=582   |
| Total  | 3410 (3072, 3740), n=17527                         | 3540 (3200, 3830), n=515   | 3414 (3080, 3720), n=4331  | 3380 (3050, 3710), n=7397  |

Table 61. Median and IQR Birthweight (g) by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 2920 (2590, 3250), n=2297                           | 3060 (2700, 3370), n=50  | 2954 (2604, 3280), n=584   | 2890 (2560, 3230), n=1056  |
| 38 weeks                     | 3240 (2935, 3550), n=3547                           | 3300 (2900, 3580), n=85  | 3250 (2950, 3538), n=893   | 3240 (2940, 3570), n=1547  |
| 39 weeks                     | 3420 (3120, 3710), n=5220                           | 3550 (3270, 3820), n=163   | 3434 (3130, 3700), n=1267  | 3400 (3100, 3710), n=2330  |
| 40 weeks                     | 3534 (3260, 3838), n=3441                           | 3500 (3270, 3830), n=81  | 3535 (3240, 3830), n=826   | 3510 (3270, 3820), n=1448  |
| 41 weeks                     | 3705 (3430, 4000), n=2866                           | 3760 (3500, 4050), n=129   | 3705 (3420, 4000), n=753   | 3680 (3410, 3965), n=980   |
| 42+ weeks                    | 3802 (3507, 4085), n=156                            | 3660 (3080, 4000), n=7   | 3832 (3439, 4200), n=8   | 3755 (3525, 4132), n=36  |
| Total                        | 3410 (3072, 3740), n=17527                          | 3540 (3200, 3830), n=515   | 3414 (3080, 3720), n=4331  | 3380 (3050, 3710), n=7397  |

Table 62. Median and IQR Birthweight (g) by IOL setting

| IOL type                                      | Confirmed inductions(population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|---|--|--|--|--|
| In-hospital cervical ripening only            | 3425 (3100, 3740), n=5683                          |  | 3414 (3080, 3720), n=4331  |  |
| Home cervical ripening                        | 3560 (3250, 3850), n=801                           | 3540 (3200, 3830), n=515   |  |  |
| In-hospital cervical ripening, mixed hospital | 3390 (3050, 3720), n=10993                         |  |  | 3380 (3050, 3710), n=7397  |
| Unable to determine                           | 3470 (3085, 3700), n=50                            |  |  |  |
| Total   | 3410 (3072, 3740), n=17527                         | 3540 (3200, 3830), n=515   | 3414 (3080, 3720), n=4331  | 3380 (3050, 3710), n=7397  |

Table 63. Indications of Multiple Deprivation (within country) by parity, all confirmed inductions

| Parity | N (%)        |              |              |              |              |
|--------|--------------|--------------|--------------|--------------|--------------|
|        | 1            | 2            | 3            | 4            | 5            |
| 0      | 2,274 (24.2) | 1,957 (20.9) | 1,887 (20.1) | 1,907 (20.3) | 1,359 (14.5) |
| 1      | 1,157 (24.8) | 937 (20.1)   | 934 (20.1)   | 889 (19.1)   | 739 (15.9)   |
| 2      | 632 (30.2)   | 453 (21.6)   | 368 (17.6)   | 364 (17.4)   | 278 (13.3)   |
| 3+     | 576 (41.8)   | 336 (24.4)   | 207 (15.0)   | 155 (11.2)   | 104 (7.5)    |
| Total  | 4,639 (26.5) | 3,683 (21.0) | 3,396 (19.4) | 3,315 (18.9) | 2,480 (14.2) |

IMD=1 is most deprived

Table 64: Indications of Multiple Deprivation (within country) by parity, cohort 1 (Home, balloon)

| Parity | N (%)     |           |           |            |            |
|--------|-----------|-----------|-----------|------------|------------|
|        | 1         | 2         | 3         | 4          | 5          |
| 0      | 35 (10.4) | 59 (17.5) | 58 (17.2) | 107 (31.7) | 79 (23.4)  |
| 1      | 18 (15.3) | 15 (12.7) | 25 (21.2) | 34 (28.8)  | 26 (22.0)  |
| 2      | <5        | 13 (32.5) | 8 (20.0)  | 10 (25.0)  | 5 (12.5)   |
| 3+     | <5        | 8 (44.4)  | 5 (27.8)  | <5         | <5         |
| Total  | 58 (11.3) | 95 (18.5) | 96 (18.7) | 153 (29.8) | 112 (21.8) |

IMD=1 is most deprived

Table 65: Indications of Multiple Deprivation (within country) by parity, cohort 2 (in-hospital, prostaglandin)

| Parity | N (%)        |            |            |            |            |
|--------|--------------|------------|------------|------------|------------|
|        | 1            | 2          | 3          | 4          | 5          |
| 0      | 647 (26.3)   | 429 (17.4) | 544 (22.1) | 509 (20.7) | 332 (13.5) |
| 1      | 322 (28.5)   | 187 (16.5) | 248 (21.9) | 209 (18.5) | 164 (14.5) |
| 2      | 157 (34.0)   | 90 (19.5)  | 88 (19.0)  | 67 (14.5)  | 60 (13.0)  |
| 3+     | 113 (41.4)   | 64 (23.4)  | 40 (14.7)  | 39 (14.3)  | 17 (6.2)   |
| Total  | 1,239 (28.6) | 770 (17.8) | 920 (21.3) | 824 (19.0) | 573 (13.2) |

IMD=1 is most deprived



Table 66: Indications of Multiple Deprivation (within country), cohort 3 (mixed hospital, in-hospital prostaglandin)

| Parity | N (%)        |              |              |              |            |
|--------|--------------|--------------|--------------|--------------|------------|
|        | 1            | 2            | 3            | 4            | 5          |
| 0      | 1,110 (28.0) | 940 (23.7)   | 774 (19.5)   | 686 (17.3)   | 459 (11.6) |
| 1      | 553 (28.6)   | 435 (22.5)   | 362 (18.7)   | 334 (17.3)   | 251 (13.0) |
| 2      | 318 (35.1)   | 194 (21.4)   | 146 (16.1)   | 140 (15.5)   | 107 (11.8) |
| 3+     | 291 (50.0)   | 140 (24.1)   | 70 (12.0)    | 46 (7.9)     | 35 (6.0)   |
| Total  | 2,272 (30.7) | 1,709 (23.1) | 1,352 (18.3) | 1,206 (16.3) | 852 (11.5) |

IMD=1 is most deprived

Table 67: Indications of Multiple Deprivation (within country), all confirmed inductions

| Gestational age at induction | N (%)        |              |              |              |              |
|------------------------------|--------------|--------------|--------------|--------------|--------------|
|                              | 1            | 2            | 3            | 4            | 5            |
| 37 weeks                     | 700 (30.5)   | 485 (21.1)   | 427 (18.6)   | 401 (17.5)   | 282 (12.3)   |
| 38 weeks                     | 946 (26.7)   | 766 (21.6)   | 664 (18.7)   | 684 (19.3)   | 486 (13.7)   |
| 39 weeks                     | 1,464 (28.1) | 1,067 (20.5) | 1,003 (19.2) | 962 (18.4)   | 719 (13.8)   |
| 40 weeks                     | 909 (26.4)   | 716 (20.8)   | 663 (19.3)   | 640 (18.6)   | 509 (14.8)   |
| 41 weeks                     | 603 (21.1)   | 614 (21.4)   | 600 (20.9)   | 595 (20.8)   | 452 (15.8)   |
| 42+ weeks                    | 17 (10.9)    | 35 (22.4)    | 39 (25.0)    | 33 (21.2)    | 32 (20.5)    |
| Total                        | 4,639 (26.5) | 3,683 (21.0) | 3,396 (19.4) | 3,315 (18.9) | 2,480 (14.2) |

IMD=1 is most deprived

Table 68: Indications of Multiple Deprivation (within country), cohort 1 (Home, balloon)

|                              |           | N (%)     |           |           |           |  |
|------------------------------|-----------|-----------|-----------|-----------|-----------|--|
| Gestational age at induction | 1         | 2         | 3         | 4         | 5         |  |
| 37 weeks                     | <5        | 10 (20.0) | 13 (26.0) | 13 (26.0) | 11 (22.0) |  |
| 38 weeks                     | 9 (10.7)  | 18 (21.4) | 15 (17.9) | 21 (25.0) | 21 (25.0) |  |
| 39 weeks                     | 19 (11.7) | 29 (17.8) | 30 (18.4) | 52 (31.9) | 33 (20.2) |  |
| 40 weeks                     | 13 (16.0) | 15 (18.5) | 13 (16.0) | 25 (30.9) | 15 (18.5) |  |
| 41 weeks                     | 14 (10.9) | 23 (17.8) | 24 (18.6) | 36 (27.9) | 32 (24.8) |  |

|           |           |           |           |            |            |
|-----------|-----------|-----------|-----------|------------|------------|
| 42+ weeks |           |           | <5        | 6 (85.7)   |            |
| Total     | 58 (11.3) | 95 (18.5) | 96 (18.7) | 153 (29.8) | 112 (21.8) |

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IMD=1 is most deprived

Table 69: Indications of Multiple Deprivation (within country), cohort 2 (in-hospital, prostaglandin)

| Gestational age at induction | N (%)        |            |            |            |            |
|------------------------------|--------------|------------|------------|------------|------------|
|                              | 1            | 2          | 3          | 4          | 5          |
| 37 weeks                     | 179 (30.7)   | 115 (19.7) | 117 (20.1) | 105 (18.0) | 67 (11.5)  |
| 38 weeks                     | 261 (29.2)   | 175 (19.6) | 187 (20.9) | 168 (18.8) | 103 (11.5) |
| 39 weeks                     | 382 (30.2)   | 213 (16.8) | 267 (21.1) | 234 (18.5) | 170 (13.4) |
| 40 weeks                     | 244 (29.6)   | 134 (16.3) | 167 (20.3) | 164 (19.9) | 115 (14.0) |
| 41 weeks                     | 172 (22.9)   | 133 (17.7) | 178 (23.7) | 152 (20.2) | 116 (15.4) |
| 42+ weeks                    | <5           |            | <5         | <5         | <5         |
| Total                        | 1,239 (28.6) | 770 (17.8) | 920 (21.3) | 824 (19.0) | 573 (13.2) |

IMD=1 is most deprived

Table 70: Indications of Multiple Deprivation (within country), cohort 3 (mixed hospital, in-hospital prostaglandin)

| Gestational age at induction | N (%)        |              |              |              |            |
|------------------------------|--------------|--------------|--------------|--------------|------------|
|                              | 1            | 2            | 3            | 4            | 5          |
| 37 weeks                     | 394 (37.3)   | 221 (20.9)   | 181 (17.2)   | 160 (15.2)   | 99 (9.4)   |
| 38 weeks                     | 450 (29.1)   | 364 (23.5)   | 280 (18.1)   | 268 (17.3)   | 185 (12.0) |
| 39 weeks                     | 759 (32.6)   | 525 (22.6)   | 417 (17.9)   | 366 (15.7)   | 260 (11.2) |
| 40 weeks                     | 408 (28.2)   | 348 (24.0)   | 273 (18.9)   | 229 (15.8)   | 189 (13.1) |
| 41 weeks                     | 255 (26.0)   | 244 (24.9)   | 193 (19.7)   | 174 (17.8)   | 113 (11.5) |
| 42+ weeks                    | 6 (16.7)     | 7 (19.4)     | 8 (22.2)     | 9 (25.0)     | 6 (16.7)   |
| Total                        | 2,272 (30.7) | 1,709 (23.1) | 1,352 (18.3) | 1,206 (16.3) | 852 (11.5) |

IMD=1 is most deprived

Table 71: Indications of Multiple Deprivation (within country), all confirmed inductions

| IOL type                                      | N (%)        |              |              |              |              |
|---|--------------|--------------|--------------|--------------|--------------|
|   | 1            | 2            | 3            | 4            | 5            |
| In-hospital cervical ripening only            | 1,550 (27.3) | 1,035 (18.2) | 1,197 (21.1) | 1,106 (19.5) | 790 (13.9)   |
| Home cervical ripening                        | 117 (14.6)   | 148 (18.5)   | 154 (19.3)   | 215 (26.9)   | 166 (20.8)   |
| In-hospital cervical ripening, mixed hospital | 2,965 (27.0) | 2,490 (22.7) | 2,034 (18.5) | 1,984 (18.1) | 1,512 (13.8) |

|                     |                 |                 |                 |                 |                 |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unable to determine | 7 (14.0)        | 10 (20.0)       | 11 (22.0)       | 10 (20.0)       | 12 (24.0)       |
| Total               | 4,639<br>(26.5) | 3,683<br>(21.0) | 3,396<br>(19.4) | 3,315<br>(18.9) | 2,480<br>(14.2) |

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IMD=1 is most deprived



Table 72: Indications of Multiple Deprivation (within country), cohort 1 (Home, balloon)

| IOL type               | N (%)     |           |           |            |            |
|------------------------|-----------|-----------|-----------|------------|------------|
|                        | 1         | 2         | 3         | 4          | 5          |
| Home cervical ripening | 58 (11.3) | 95 (18.5) | 96 (18.7) | 153 (29.8) | 112 (21.8) |
| Total                  | 58 (11.3) | 95 (18.5) | 96 (18.7) | 153 (29.8) | 112 (21.8) |

IMD=1 is most deprived

Table 73: Indications of Multiple Deprivation (within country), cohort 2 (in-hospital, prostaglandin)

| IOL type                           | N (%)           |               |               |               |               |
|------------------------------------|-----------------|---------------|---------------|---------------|---------------|
|                                    | 1               | 2             | 3             | 4             | 5             |
| In-hospital cervical ripening only | 1,239<br>(28.6) | 770<br>(17.8) | 920<br>(21.3) | 824<br>(19.0) | 573<br>(13.2) |
| Total                              | 1,239<br>(28.6) | 770<br>(17.8) | 920<br>(21.3) | 824<br>(19.0) | 573<br>(13.2) |

IMD=1 is most deprived

Table 74. Indications of Multiple Deprivation (within country), cohort 3 (mixed hospital, in-hospital prostaglandin)

| IOL type   | N (%)           |                 |                 |                 |               |
|--|-----------------|-----------------|-----------------|-----------------|---------------|
|  | 1               | 2               | 3               | 4               | 5             |
| In-hospital cervical ripening,<br>mixed hospital | 2,272<br>(30.7) | 1,709<br>(23.1) | 1,352<br>(18.3) | 1,206<br>(16.3) | 852<br>(11.5) |
| Total  | 2,272<br>(30.7) | 1,709<br>(23.1) | 1,352<br>(18.3) | 1,206<br>(16.3) | 852<br>(11.5) |

IMD=1 is most deprived

Table 75: Percentage of post dates in indications for induction by site

| Hospital or NHS Trust   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening(cohort<br>3) n/N (%) |
|---|---|---|---|---|
| NHS Borders   | 31/170 (18.2)                                   | 14/33 (42.4)  |   | <5  |
| NHS Fife  | 219/756 (29.0)                                  |   | 198/631 (31.4)  |   |
| NHS Grampian  | 121/759 (15.9)                                  | 53/235 (22.6)   |   | 17/104 (16.4)   |
| NHS Highland  | 65/462 (14.1)                                   |   |   | 44/334 (13.2)   |
| NHS Lanarkshire   | 212/1,050 (20.2)                                | <5  |   | 161/794 (20.3)  |
| NHS Tayside   | 98/753 (13.0)                                   | 46/181 (25.4)   |   | 7/81 (8.6)  |
| Ashford and St. Peter's<br>Hospital Maternity                   | 148/852 (17.4)                                  |   |   | 76/618 (12.3)   |
| Birmingham Women's<br>and<br>Children's NHS<br>Foundation Trust | 242/2,664 (9.1)                                 |   |   | 199/2,286 (8.7)   |
| Darlington Memorial<br>Hospital                                 | 23/143 (16.1)                                   | 8/11 (72.7)   |   | 7/62 (11.3)   |

|   |                  |              |                |
|---|------------------|--------------|----------------|
| University Hospital Of North Durham (Maternity) | 40/164 (24.4)    | 13/43 (30.2) | <5             |
| Dorset County Hospital                          | 38/387 (9.8)     |              | 26/270 (9.6)   |
| Epsom General (Maternity)                       | 89/653 (13.6)    | <5           | 22/165 (13.3)  |
| St Helier (Maternity)                           | 60/793 (7.6)     | <5           | 15/309 (4.9)   |
| Hereford County Maternity                       | 52/585 (8.9)     |              | 43/495 (8.7)   |
| Princess Royal University Hospital              | 26/142 (18.3)    |              | 26/141 (18.4)  |
| Denmark Hill Maternity                          | 25/160 (15.6)    |              | 19/116 (16.4)  |
| Royal Preston Hospital                          | 108/1,070 (10.1) |              | 70/863 (8.1)   |
| Cumberland Infirmary (Maternity)                | 65/435 (15.0)    |              | 56/291 (19.2)  |
| West Cumberland Hospital (Mat)                  | 14/191 (7.3)     |              | 7/66 (10.6)    |
| Queen Elizabeth Hospital Gateshead (Maternity)  | 153/1,009 (15.2) |              | 126/743 (17.0) |
| Warwick Hospital                                | 49/608 (8.1)     |              | 44/445 (9.9)   |
| Queen Elizabeth Maternity Kings Lynn            | 36/558 (6.5)     |              | 21/392 (5.4)   |

|   |                     |                |                   |                  |
|---|---------------------|----------------|-------------------|------------------|
| New Cross Maternity Hospital            | 157/1,380 (11.4)    |                | 151/1,215 (12.4)  |                  |
| Manor Hospital Walsall                  | 21/224 (9.4)        |                | 16/184 (8.7)      |                  |
| Worcestershire Royal Maternity Hospital | 225/1,561 (14.4)    |                | 162/1,089 (14.9%) |                  |
| Total                                   | 2,317/17,530 (13.2) | 140/515 (27.2) | 686/4,332 (15.8)  | 833/7,397 (11.3) |

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Table 76: Percentage of post dates in indications for induction by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--------|---|---|---|--|
| 0      | 1,581/9,395 (16.8)                              | 108/339 (31.9)  | 475/2,465 (19.3)  | 572/3,973 (14.4)   |
| 1      | 499/4,658 (10.7)                                | 23/118 (19.5)   | 152/1,131 (13.4)  | 170/1,936 (8.8)  |
| 2      | 159/2,099 (7.6)                                 | 5/40 (12.5)   | 41/463 (8.9)  | 59/906 (6.5)   |
| 3+     | 78/1,378 (5.7)                                  | <5  | 18/273 (6.6)  | 32/582 (5.5)   |
| Total  | 2,317/17,530 (13.2)                             | 140/515 (27.2)  | 686/4,332 (15.8)  | 833/7,397 (11.3%)  |

Table 77: Percentage of hypertensive disorder in indications for induction by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>N (%) |
|---|---|
| NHS Borders   | 16/170 (9.4)                                    |
| NHS Fife  | 66/756 (8.7)                                    |
| NHS Grampian  | 53/759 (7.0)                                    |
| NHS Highland  | 62/462 (13.4)                                   |
| NHS Lanarkshire   | 59/1,050 (5.6)                                  |
| NHS Tayside   | 66/753 (8.8)                                    |
| Ashford and St. Peter's Hospital Maternity                | 72/852 (8.5)                                    |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 211/2,664 (7.9)                                 |
| Darlington Memorial Hospital                              | 13/143 (9.1)                                    |
| University Hospital Of North Durham (Maternity)           | 6/164 (3.7)                                     |
| Dorset County Hospital                                    | 33/387 (8.5)                                    |



|  |                    |
|--|--------------------|
| Epsom General (Maternity)                      | 36/653 (5.5)       |
| St Helier (Maternity)                          | 46/793 (5.8)       |
| Hereford County Maternity                      | 44/585 (7.5)       |
| Princess Royal University Hospital             | 7/142 (4.9)        |
| Denmark Hill Maternity                         | 13/160 (8.1)       |
| Royal Preston Hospital                         | 43/1,070 (4.0)     |
| Cumberland Infirmary (Maternity)               | 21/435 (4.8)       |
| West Cumberland Hospital (Mat)                 | 16/191 (8.4)       |
| <hr/>  |                    |
| Queen Elizabeth Hospital Gateshead (Maternity) | 42/1,009 (4.2)     |
| Warwick Hospital                               | 31/608 (5.1)       |
| Queen Elizabeth Maternity Kings Lynn           | 37/558 (6.6)       |
| New Cross Maternity Hospital                   | 133/1,380 (9.6)    |
| Manor Hospital Walsall                         | 12/224 (5.4)       |
| Worcestershire Royal Maternity Hospital        | 73/1,561 (4.7)     |
| Total  | 1,211/17,530 (6.9) |
| <hr/>  |                    |



Table 78: Percentage of hypertensive disorder in indications for induction by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--------|---|---|---|--|
| 0      | 812/9,395 (8.6)                                 | 24/339 (7.1)  | 244/2,465 (9.9)   | 391/3,973 (9.8)  |
| 1      | 252/4,658 (5.4)                                 | 7/118 (5.9)   | 76/1,131 (6.7)  | 121/1,936 (6.3)  |
| 2      | 95/2,099 (4.5)                                  | <5  | 28/463 (6.1)  | 45/906 (5.0)   |
| 3+     | 52/1,378 (3.8)                                  | <5  | 13/273 (4.8)  | 26/582 (4.5)   |
| Total  | 1,211/17,530 (6.9)                              | 33/515 (6.4)  | 361/4,332 (8.3)   | 583/7,397 (7.9)  |

Table 79: Percentage of hypertensive disorder in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 251/2,297 (10.9)                          | 5/50 (10.0)  | 75/584 (12.8)  | 128/1,056 (12.1)   |
| 38 weeks                     | 308/3,548 (8.7)                           | 8/85 (9.4)   | 98/894 (11.0)  | 142/1,547 (9.2)  |
| 39 weeks                     | 362/5,221 (6.9)                           | 12/163 (7.4)   | 105/1,267 (8.3)  | 175/2,330 (7.5)  |
| 40 weeks                     | 237/3,441 (6.9)                           | 6/81 (7.4)   | 68/826 (8.2)   | 115/1,448 (7.9)  |
| 41 weeks                     | 52/2,867 (1.8)                            | <5   | 15/753 (2.0)   | 23/980 (2.4)   |
| 42+ weeks                    | <5  | <5   | <5   | <5   |
| Total                        |   |  |  |  |

Table 80: Percentage of hypertensive disorder in indications for induction

| IOL type | Confirmed inductions<br>(population 2)<br>N (%) |
|----------|---|
| Total    | 1,211/17,530 (6.9)                              |

Table 81: Percentage of diabetes in indications for induction by site

| Hospital or NHS Trust | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|-----------------------|---|---|---|--|
| NHS Borders           | 18/170 (10.6)                                   | 5/33 (15.2)   |   | <5   |
| NHS Fife              | 59/756 (7.8)                                    |   | 54/631 (8.6)  |  |
| NHS Grampian          | 31/759 (4.1)                                    | 14/235 (6.0)  |   | 7/104 (6.7)  |
| NHS Highland          | 28/462 (6.1)                                    |   |   | 22/334 (6.6)   |
| NHS Lanarkshire       | 61/1,050 (5.8)                                  | <5  |   | 55/794 (6.9)   |
| NHS Tayside           | 96/753 (12.8)                                   | 39/181 (21.6)   |   | 8/81 (9.9)   |

|  |                  |    |                  |
|--|------------------|----|------------------|
| Ashford and St. Peter's Hospital Maternity             | 137/852 (16.1)   |    | 126/618 (20.4)   |
| Birmingham Women's and Children's NHS Foundation Trust | 334/2,664 (12.5) |    | 308/2,286 (13.5) |
| Darlington Memorial Hospital                           | 12/143 (8.4)     | <5 | 8/62 (12.9)      |
| University Hospital Of North Durham (Maternity)        | 16/164 (9.8)     | <5 | <5               |
| Dorset County Hospital                                 | 27/387 (7.0)     |    | 24/270 (8.9)     |
| Epsom General (Maternity)                              | 144/653 (22.1)   | <5 | 43/165 (26.1)    |
| St Helier (Maternity)                                  | 171/793 (21.6)   | <5 | 81/309 (26.2)    |
| Hereford County Maternity                              | 46/585 (7.9)     |    | 45/495 (9.1)     |
| Princess Royal University Hospital                     | 16/142 (11.3)    |    | 16/141 (11.4)    |
| Denmark Hill Maternity                                 | 23/160 (14.4)    |    | 21/116 (18.1)    |
| Chorley and South Ribble Hospital                      | <5               |    |                  |
| Royal Preston Hospital                                 | 99/1,070 (9.3)   |    | 84/863 (9.7)     |

|                                     |               |               |
|-------------------------------------|---------------|---------------|
| Cumberland<br>Infirmary (Maternity) | 54/435 (12.4) | 50/291 (17.2) |
| West Cumberland<br>Hospital (Mat)   | 19/191 (10.1) | 13/66 (19.7)  |

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Table 82: Percentage of diabetes in indications for induction by site

| Hospital or NHS Trust                             | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|---|---|--|---|---|
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | 180/1,009 (17.8)                                |  |   | 161/743 (21.7)  |
| Warwick Hospital                                  | 79/608 (12.99%)                                 |  | 73/445 (16.40%)   |   |
| Queen Elizabeth Maternity<br>Kings Lynn           | 91/558 (16.31%)                                 |  |   | 77/392<br>(19.64%)  |
| New Cross Maternity Hospital                      | 193/1,380 (13.99%)                              |  | 188/1,215 (15.47%)  |   |
| Manor Hospital Walsall                            | 26/224 (11.61%)                                 |  | 23/184 (12.50%)   |   |
| Worcestershire Royal Maternity<br>Hospital        | 282/1,561 (18.07%)                              |  | 223/1,089 (20.48%)  |   |
| Total   | 2,242/17,530<br>(12.79%)                        | 59/515 (11.46%)  | 664/4,332 (15.33%)  | 1,050/7,397<br>(14.19%)   |



Table 83: Percentage of diabetes in indications for induction by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervicalripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin<br>cervicalripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--------|---|--|--|---|
| 0      | 1,057/9,395 (11.25%)                            | 36/339 (10.62%)  | 344/2,465 (13.96%)   | 454/3,973 (11.43%)  |
| 1      | 653/4,658 (14.02%)                              | 13/118 (11.02%)  | 186/1,131 (16.45%)   | 318/1,936 (16.43%)  |
| 2      | 302/2,099 (14.39%)                              | 7/40 (17.50%)  | 73/463 (15.77%)  | 158/906 (17.44%)  |
| 3+     | 230/1,378 (16.69%)                              | <5   | 61/273 (22.34%)  | 120/582 (20.62%)  |
| Total  | 2,242/17,530<br>(12.79%)                        | 59/515 (11.46%)  | 664/4,332 (15.33%)   | 1,050/7,397 (14.19%)  |

Table 84: Percentage of diabetes in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervicalripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin<br>cervicalripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 389/2,297 (16.94%)                              | 6/50 (12.00%)  | 148/584 (25.34%)   | 178/1,056 (16.86%)   |
|                              | 878/3,548 (24.75%)                              | 20/85 (23.53%)   | 251/894 (28.08%)   | 430/1,547 (27.80%)   |
|                              | 698/5,221 (13.37%)                              | 26/163 (15.95%)  | 199/1,267 (15.71%)   | 308/2,330 (13.22%)   |
| 40 weeks                     | 268/3,441 (7.79%)                               | 7/81 (8.64%)   | 63/826(7.63%)  | 132/1,448 (9.12%)  |
| 41 weeks                     | 9/2,867 (0.31%)                                 | <5   | <5   | <5   |
| 42+ weeks                    | <5  | <5   | <5   | <5   |
| Total                        | 2,242/17,530<br>(12.79%)                        | 59/515 (11.46%)  | 664/4,332 (15.33%)   | 1,050/7,397 (14.19%)   |

Table 85: Percentage of diabetes in indications for induction by IOL type

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| IOL type | Confirmed inductions<br>(population 2)<br>N (%) |
|----------|---|
| Tota     | 2,242/17,530 (12.79%)                           |

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Table 86: Percentage of obstetric cholestasis in indications for induction by site

| Hospital or NHS Trust                                     | Confirmed inductions(population 2)N (%) |
|---|---|
| NHS Borders   | <5                                      |
| NHS Fife  | 9/756 (1.19%)                           |
| NHS Grampian  | 12/759 (1.58%)                          |
| NHS Highland  | 8/462 (1.73%)                           |
| NHS Lanarkshire   | 15/1,050 (1.43%)                        |
| NHS Tayside   | 10/753 (1.33%)                          |
| Ashford and St. Peter's Hospital Maternity                | 13/852 (1.53%)                          |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 59/2,664 (2.21%)                        |
| Darlington Memorial Hospital                              | 5/143 (3.50%)                           |
| University Hospital Of North Durham (Maternity)           | <5                                      |
| Dorset County Hospital                                    | 20/387 (5.17%)                          |
| Epsom General (Maternity)                                 | 12/653 (1.84%)                          |

|  |                    |
|--|--------------------|
| St Helier (Maternity)                          | 14/793 (1.77%)     |
| Hereford County Maternity                      | 22/585 (3.76%)     |
| Princess Royal University Hospital             | <5                 |
| Denmark Hill Maternity                         | 7/160 (4.38%)      |
| Royal Preston Hospital                         | 33/1,070 (3.08%)   |
| Cumberland Infirmary (Maternity)               | 11/435 (2.53%)     |
| West Cumberland Hospital (Mat)                 | <5                 |
| <hr/>  |                    |
| Queen Elizabeth Hospital Gateshead (Maternity) | 20/1,009 (1.98%)   |
| Warwick Hospital                               | 17/608 (2.80%)     |
| Queen Elizabeth Maternity Kings Lynn           | 14/558 (2.51%)     |
| New Cross Maternity Hospital                   | 16/1,380 (1.16%)   |
| Manor Hospital Walsall                         | 7/224 (3.13%)      |
| Worcestershire Royal Maternity Hospital        | 37/1,561 (2.37%)   |
| Total  | 371/17,530 (2.12%) |
| <hr/>  |                    |

Table 87: Percentage of obstetric cholestasis in indications for induction by parity

|       | Confirmed inductions<br>(population 2)N (%) |
|-------|---|
| 0     | 190/9,395 (2.02%)                           |
| 1     | 108/4,658 (2.32%)                           |
| 2     | 44/2,099 (2.10%)                            |
| 3+    | 29/1,378 (2.10%)                            |
| Total | 371/17,530 (2.12%)                          |

Table 88: Percentage of obstetric cholestasis in indications for induction by gestational age at induction

|           | Confirmed inductions<br>(population 2)N (%) |
|-----------|---|
| 37 weeks  | 114/2,297 (4.96%)                           |
| 38 weeks  | 123/3,548 (3.47%)                           |
| 39 weeks  | 110/5,221 (2.11%)                           |
| 40 weeks  | 18/3,441 (0.52%)                            |
| 41 weeks  | 6/2,867 (0.21%)                             |
| 42+ weeks | <5  |
| Total     | 371/17,530 (2.12%)                          |

Table 89: Percentage of obstetric history in indications for induction by parity

|       | Confirmed inductions(population 2)<br>N (%) |
|-------|---|
| 0     | 9/9,395 (0.10%)                             |
| 1     | 39/4,658 (0.84%)                            |
| 2     | 34/2,099 (1.62%)                            |
| 3+    | 40/1,378 (2.90%)                            |
| Total | 122/17,530 (0.70%)                          |



Table 90: Percentage of obstetric history in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) |
|------------------------------|---|
| 37 weeks                     | 42/2,297 (1.83%)                                |
| 38 weeks                     | 37/3,548 (1.04%)                                |
| 39 weeks                     | 31/5,221 (0.59%)                                |
| 40 weeks                     | 7/3,441 (0.20%)                                 |
| 41 weeks                     | 5/2,867 (0.17%)                                 |
| 42+ weeks                    | <5  |
| Total                        | 122/17,530 (0.70%)                              |

Table 91: Percentage of obstetric history in indications for induction

| First induction method | Confirmed inductions(population 2)N (%) | Mixed hospital, at home balloon cervicalripening (cohort 1)n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening(cohort 3) n/N (%) |
|------------------------|---|--|--|---|
| Total                  | 122/17,530 (0.70%)                      | <5   | 37/4,332 (0.85%)   | 56/7,397 (0.76%)  |

Table 92: Percentage of maternal age in indications for induction by site

| Hospital or NHS Trust  | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening(cohort 1)<br>n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--|---|---|--|--|
| NHS Borders  | <5  | <5  |  | <5   |
| NHS Fife   | 23/756 (3.04%)                                  | <5  | 21/631 (3.33%)   |  |
| NHS Grampian   | 10/759 (1.32%)                                  | <5  |  | <5   |
| NHS Highland   | 16/462 (3.46%)                                  | <5  |  | 13/334 (3.89%)   |
| NHS Lanarkshire  | 22/1,050 (2.10%)                                | <5  |  | 19/794 (2.39%)   |
| NHS Tayside  | 19/753 (2.52%)                                  | 9/181 (4.97%)   |  | <5   |
| Ashford and St. Peter's Hospital<br>Maternity                | 49/852 (5.75%)                                  |   |  | 40/618 (6.47%)   |
| Birmingham Women's and<br>Children's NHS Foundation<br>Trust | 108/2,664 (4.05%)                               |   |  | 103/2,286 (4.51%)  |
| Darlington Memorial Hospital                                 | <5  | <5  |  | <5   |
| University Hospital Of North<br>Durham (Maternity)           | <5  | <5  |  | <5   |
| Dorset County Hospital                                       | 7/387 (1.81%)                                   |   | <5   | <5   |

|  |                  |                  |                |
|--|------------------|------------------|----------------|
| Epsom General (Maternity)                      | 25/653 (3.83%)   | <5               | 10/165 (6.06%) |
| St Helier (Maternity)                          | 18/793 (2.27%)   | <5               | 11/309 (3.56%) |
| Hereford County Maternity                      | 17/585 (2.91%)   |                  | 17/495 (3.43%) |
| Princess Royal University Hospital             | 7/142 (4.93%)    | 7/141 (4.96%)    |                |
| Denmark Hill Maternity                         | 9/160 (5.63%)    |                  | 7/116 (6.03%)  |
| Chorley and South Ribble Hospital              | <5               |                  |                |
| Royal Preston Hospital                         | 25/1,070 (2.34%) |                  | 18/863 (2.09%) |
| Cumberland Infirmary (Maternity)               | <5               | <5               |                |
| West Cumberland Hospital (Mat)                 | <5               | <5               |                |
| Queen Elizabeth Hospital Gateshead (Maternity) | 13/1,009 (1.29%) |                  | 10/743 (1.35%) |
| Warwick Hospital                               | 14/608 (2.30%)   | 11/445 (2.47%)   |                |
| Queen Elizabeth Maternity Kings Lynn           | 6/558 (1.08%)    |                  | <5             |
| New Cross Maternity Hospital                   | 21/1,380 (1.52%) | 21/1,215 (1.73%) |                |
| Manor Hospital Walsall                         | <5               | <5               |                |

|  |                    |                |                  |                   |
|--|--------------------|----------------|------------------|-------------------|
| Worcestershire Royal Maternity<br>Hospital | 32/1,561 (2.05%)   |                | 29/1,089 (2.66%) |                   |
| Total                                      | 457/17,530 (2.61%) | 14/515 (2.72%) | 99/4,332 (2.29%) | 262/7,397 (3.54%) |

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Table 93: Percentage of maternal age in indications for induction by parity

| Parity | Confirmed inductions(population 2)N (%) | Mixed hospital, at home balloon cervicalripening(cohort 1) n/N (%) | In hospital only, prostaglandin cervicalripening(cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--------|---|--|--|--|
| 0      | 177/9,395 (1.88%)                       | 9/339 (2.65%)  | 49/2,465 (1.99%)   | 100/3,973 (2.52%)  |
| 1      | 121/4,658 (2.60%)                       | <5   | 19/1,131 (1.68%)   | 70/1,936 (3.62%)   |
| 2      | 75/2,099 (3.57%)                        | <5   | 12/463 (2.59%)   | 47/906 (5.19%)   |
| 3+     | 84/1,378 (6.10%)                        | <5   | 19/273 (6.96%)   | 45/582 (7.73%)   |
| Total  | 457/17,530 (2.61%)                      | 14/515 (2.72%)   | 99/4,332 (2.29%)   | 262/7,397 (3.54%)  |

Table 94: Percentage of maternal age in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions(population 2)<br>N (%) | Mixed hospital, at home balloon cervical ripening(cohort 1)<br>n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 20/2,297 (0.87%)                            | <5   | <5   | 13/1,056 (1.23%)   |
| 38 weeks                     | 57/3,548 (1.61%)                            | <5   | 18/894 (2.01%)   | 25/1,547 (1.62%)   |
| 39 weeks                     | 214/5,221 (4.10%)                           | 8/163 (4.91%)  | 36/1,267 (2.84%)   | 129/2,330 (5.54%)  |
| 40 weeks                     | 146/3,441 (4.24%)                           | <5   | 37/826 (4.48%)   | 85/1,448 (5.87%)   |
| 41 weeks                     | 18/2,867 (0.63%)                            | <5   | 4/753 (0.53%)  | 8/980 (0.82%)  |
| 42+ weeks                    | <5  | <5   | <5   | <5   |
| Total                        | 457/17,530 (2.61%)                          | 14/515 (2.72%)   | 99/4,332 (2.29%)   | 262/7,397 (3.54%)  |

Table 95: Percentage of maternal request in indications for induction by site

| Hospital or NHS Trust                                  | Confirmed inductions (population 2) N (%) | Mixed hospital, at home ballooncervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--|---|---|--|--|
| NHS Borders  | 11/170 (6.47%)                            | <5  |  | <5   |
| NHS Fife   | 16/756 (2.12%)                            |   | 13/631 (2.06%)   |  |
| NHS Grampian   | 11/759 (1.45%)                            | 7/235 (2.98%)   |  | <5   |
| NHS Highland   | 34/462 (7.36%)                            |   |  | 30/334 (8.98%)   |
| NHS Lanarkshire  | 31/1,050 (2.95%)                          | <5  |  | 25/794 (3.15%)   |
| NHS Tayside  | 38/753 (5.05%)                            | 10/181 (5.52%)  |  | <5   |
| Ashford and St. Peter's Hospital Maternity             | 35/852 (4.11%)                            |   |  | 28/618 (4.53%)   |
| Birmingham Women's and Children's NHS Foundation Trust | 40/2,664 (1.50%)                          |   |  | 38/2,286 (1.66%)   |
| Darlington Memorial Hospital                           | <5  | <5  |  | <5   |
| University Hospital Of North Durham (Maternity)        | <5  | <5  |  | <5   |



|  |                  |    |                  |
|--|------------------|----|------------------|
| Dorset County Hospital                         | 9/387 (2.33%)    |    | 8/270 (2.96%)    |
| Epsom General (Maternity)                      | 14/653 (2.14%)   | <5 | <5               |
| St Helier (Maternity)                          | 12/793 (1.51%)   | <5 | <5               |
| Hereford County Maternity                      | 22/585 (3.76%)   |    | 19/495 (3.84%)   |
| Princess Royal University Hospital             | <5               |    | <5               |
| Denmark Hill Maternity                         | <5               |    | <5               |
| Chorley and South Ribble Hospital              | <5               |    |                  |
| Royal Preston Hospital                         | 19/1,070 (1.78%) |    | 15/863 (1.74%)   |
| Cumberland Infirmary (Maternity)               | 8/435 (1.84%)    |    | 7/291 (2.41%)    |
| West Cumberland Hospital (Mat)                 | 5/191 (2.62%)    |    | <5               |
| Queen Elizabeth Hospital Gateshead (Maternity) | 22/1,009 (2.18%) |    | 16/743 (2.15%)   |
| Warwick Hospital                               | 10/608 (1.64%)   |    | 10/445 (2.25%)   |
| Queen Elizabeth Maternity Kings Lynn           | 12/558 (2.15%)   |    | 9/392 (2.30%)    |
| New Cross Maternity Hospital                   | 16/1,380 (1.16%) |    | 15/1,215 (1.23%) |

|  |                    |                |                  |                   |
|--|--------------------|----------------|------------------|-------------------|
| Manor Hospital Walsall                     | <5                 | <5             | <5               |                   |
| Worcestershire Royal<br>Maternity Hospital | 10/1,561 (0.64%)   |                | 9/1,089 (0.83%)  |                   |
| Total                                      | 389/17,530 (2.22%) | 19/515 (3.69%) | 70/4,332 (1.62%) | 200/7,397 (2.70%) |

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Table 96: Percentage of maternal request in indications for induction by parity

| Parity | Confirmed inductions(population 2)<br>N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening(cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--------|---|--|---|--|
|        | 112/9,395 (1.19%)                           | 11/339 (3.24%)   | 19/2,465 (0.77%)  | 59/3,973 (1.49%)   |
| 1      | 143/4,658 (3.07%)                           | <5   | 31/1,131 (2.74%)  | 76/1,936 (3.93%)   |
| 2      | 66/2,099 (3.14%)                            | <5   | 8/463 (1.73%)   | 38/906 (4.19%)   |
| 3+     | 68/1,378 (4.93%)                            | <5   | 12/273 (4.40%)  | 27/582 (4.64%)   |
| Total  | 389/17,530 (2.22%)                          | 19/515 (3.69%)   | 70/4,332 (1.62%)  | 200/7,397 (2.70%)  |

Table 97: Percentage of maternal request in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions(population 2)N (%) | Mixed hospital, at home balloon cervicalripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|---|---|--|--|
| 37 weeks                     | 39/2,297 (1.70%)                        | 2/50 (4.00%)  | 6/584 (1.03%)  | 24/1,056 (2.27%)   |
| 38 weeks                     | 79/3,548 (2.23%)                        | 5/85 (5.88%)  | 9/894 (1.01%)  | 38/1,547 (2.46%)   |
| 39 weeks                     | 143/5,221 (2.74%)                       | 6/163 (3.68%)   | 26/1,267 (2.05%)   | 74/2,330 (3.18%)   |
| 40 weeks                     | 98/3,441 (2.85%)                        | <5  | 23/826 (2.78%)   | 50/1,448 (3.45%)   |
| 41 weeks                     | 30/2,867 (1.05%)                        | <5  | 6/753 (0.80%)  | 14/980 (1.43%)   |
| 42+ weeks                    | <5                                      | <5  | <5   | <5   |
| Tota                         | 389/17,530 (2.22%)                      | 19/515 (3.69%)  | 70/4,332 (1.62%)   | 200/7,397 (2.70%)  |

Table 98: Percentage of other maternal reasons in indications for induction by site

| Hospital or NHS Trust  | Confirmed inductions<br>(population 2)N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin<br>cervical ripening<br>(cohort2)n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|--|
| NHS Borders  | 18/170 (10.59%)                             | 6/33 (18.18%)  |   | <5   |
| NHS Fife   | 117/756 (15.48%)                            |  | 100/631 (15.85%)  |  |
| NHS Grampian   | 80/759 (10.54%)                             | 34/235 (14.47%)  |   | 12/104 (11.54%)  |
| NHS Highland   | 100/462 (21.65%)                            |  |   | 75/334 (22.46%)  |
| NHS Lanarkshire  | 133/1,050 (12.67%)                          | <5   |   | 111/794 (13.98%)   |
| NHS Tayside  | 88/753 (11.69%)                             | 35/181 (19.34%)  |   | 14/81 (17.28%)   |
| Ashford and St. Peter's Hospital<br>Maternity                | 97/852 (11.38%)                             |  |   | 83/618 (13.43%)  |
| Birmingham Women's and<br>Children's NHS Foundation<br>Trust | 303/2,664 (11.37%)                          |  |   | 275/2,286 (12.03%)   |
| Darlington Memorial Hospital                                 | 20/143 (13.99%)                             | <5   |   | 9/62 (14.52%)  |
| University Hospital Of North<br>Durham (Maternity)           | 32/164 (19.51%)                             | 10/43 (23.26%)   |   | <5   |
| Dorset County Hospital                                       | 34/387 (8.79%)                              |  | 26/270 (9.63%)  |  |

|  |                    |                   |                 |
|--|--------------------|-------------------|-----------------|
| Epsom General (Maternity)                      | 61/653 (9.34%)     | <5                | 12/165 (7.27%)  |
| St Helier (Maternity)                          | 48/793 (6.05%)     | <5                | 20/309 (6.47%)  |
| Hereford County Maternity                      | 35/585 (5.98%)     |                   | 31/495 (6.26%)  |
| Princess Royal University Hospital             | 14/142 (9.86%)     | 14/141 (9.93%)    |                 |
| Denmark Hill Maternity                         | 10/160 (6.25%)     |                   | 9/116 (7.76%)   |
| Chorley and South Ribble Hospital              | <5                 |                   |                 |
| Royal Preston Hospital                         | 110/1,070 (10.28%) |                   | 91/863 (10.54%) |
| Cumberland Infirmary (Maternity)               | 30/435 (6.90%)     | 27/291 (9.28%)    |                 |
| West Cumberland Hospital (Mat)                 | 8/191 (4.19%)      | <5                |                 |
| Queen Elizabeth Hospital Gateshead (Maternity) | 93/1,009 (9.22%)   |                   | 79/743 (10.63%) |
| Warwick Hospital                               | 43/608 (7.07%)     | 41/445 (9.21%)    |                 |
| Queen Elizabeth Maternity Kings Lynn           | 57/558 (10.22%)    |                   | 43/392 (10.97%) |
| New Cross Maternity Hospital                   | 116/1,380 (8.41%)  | 113/1,215 (9.30%) |                 |
| Manor Hospital Walsall                         | 15/224 (6.70%)     | 14/184 (7.61%)    |                 |

|  |                          |                 |                    |                    |
|--|--------------------------|-----------------|--------------------|--------------------|
| Worcestershire Royal Maternity<br>Hospital | 126/1,561 (8.07%)        |                 | 102/1,089 (9.37%)  |                    |
| Total                                      | 1,788/17,530<br>(10.20%) | 86/515 (16.70%) | 441/4,332 (10.18%) | 868/7,397 (11.73%) |

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Table 99: Percentage of other maternal reasons in indications for induction by parity

| Parity | Confirmed inductions(population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--------|--|--|--|--|
| 0      | 868/9,395 (9.24%)                        | 57/339 (16.81%)  | 219/2,465 (8.88%)  | 412/3,973 (10.37%)   |
| 1      | 438/4,658 (9.40%)                        | 18/118 (15.25%)  | 117/1,131 (10.34%)   | 213/1,936 (11.00%)   |
| 2      | 289/2,099 (13.77%)                       | 8/40 (20.00%)  | 71/463 (15.33%)  | 152/906 (16.78%)   |
| 3+     | 193/1,378 (14.01%)                       | <5   | 34/273 (12.45%)  | 91/582 (15.64%)  |
| Total  | 1,788/17,530 (10.20%)                    | 86/515 (16.70%)  | 441/4,332 (10.18%)   | 868/7,397 (11.73%)   |



Table 100: Percentage of other maternal reasons in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 262/2,297 (11.41%)                        | 9/50 (18.00%)  | 64/584 (10.96%)  | 135/1,056 (12.78%)   |
| 38 weeks                     | 398/3,548 (11.22%)                        | 20/85 (23.53%)   | 102/894 (11.41%)   | 183/1,547 (11.83%)   |
| 39 weeks                     | 573/5,221 (10.97%)                        | 31/163 (19.02%)  | 117/1,267 (9.23%)  | 300/2,330 (12.88%)   |
| 40 weeks                     | 432/3,441 (12.55%)                        | 19/81 (23.46%)   | 128/826 (15.50%)   | 196/1,448 (13.54%)   |
| 41 weeks                     | 119/2,867 (4.15%)                         | 7/129 (5.43%)  | 28/753 (3.72%)   | 53/980 (5.41%)   |
| 42+ weeks                    | <5  | <5   | <5   | <5   |
| Total                        | <5  | <5   | <5   | <5   |

Table 101: Percentage of other maternal reasons in indications for induction by IOL type

| IOL type                           | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|------------------------------------|---|--|--|--|
| In-hospital cervical ripening only | 503/5,684 (8.85%)                         |  | 441/4,332 (10.18%)   |  |

|  |                          |                 |                    |                    |
|--|--------------------------|-----------------|--------------------|--------------------|
| Home cervical ripening                           | 112/801 (13.98%)         | 86/515 (16.70%) |                    |                    |
| In-hospital cervical ripening,<br>mixed hospital | 1,170/10,995<br>(10.64%) |                 |                    | 868/7,397 (11.73%) |
| Unable to determine                              | 3/50 (6.00%)             |                 |                    |                    |
| Total  | 1,788/17,530<br>(10.20%) | 86/515 (16.70%) | 441/4,332 (10.18%) | 868/7,397 (11.73%) |

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Table 102: Percentage of fetal concerns in indications for induction by site

| Hospital or NHS Trust                                  | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--|---|--|--|--|
| NHS Borders  | 21/170 (12.35%)                           | 9/33 (27.27%)  |  | 4/30 (13.33%)  |
| NHS Fife   | 112/756 (14.81%)                          |  | 105/631 (16.64%)   |  |
| NHS Grampian   | 227/759 (29.91%)                          | 103/235 (43.83%)   |  | 48/104 (46.15%)  |
| NHS Highland   | 124/462 (26.84%)                          |  |  | 98/334 (29.34%)  |
| NHS Lanarkshire  | 350/1,050 (33.33%)                        | 3/5 (60.00%)   |  | 302/794 (38.04%)   |
| NHS Tayside  | 119/753 (15.80%)                          | 36/181 (19.89%)  |  | 10/81 (12.35%)   |
| Ashford and St. Peter's Hospital Maternity             | 198/852 (23.24%)                          |  |  | 141/618 (22.82%)   |
| Birmingham Women's and Children's NHS Foundation Trust | 826/2,664 (31.01%)                        |  |  | 766/2,286 (33.51%)   |
| Darlington Memorial Hospital                           | 48/143 (33.57%)                           | 1/11 (9.09%)   |  | 23/62 (37.10%)   |
| University Hospital Of North Durham (Maternity)        | 40/164 (24.39%)                           | 14/43 (32.56%)   |  | <5   |
| Dorset County Hospital                                 | 116/387 (29.97%)                          |  | 97/270 (35.93%)  |  |

|  |                    |    |                    |
|--|--------------------|----|--------------------|
| Epsom General (Maternity)                      | 142/653 (21.75%)   | <5 | 40/165 (24.24%)    |
| St Helier (Maternity)                          | 188/793 (23.71%)   | <5 | 78/309 (25.24%)    |
| Hereford County Maternity                      | 263/585 (44.96%)   |    | 249/495 (50.30%)   |
| Princess Royal University Hospital             | 33/142 (23.24%)    |    | 33/141 (23.40%)    |
| Denmark Hill Maternity                         | 26/160 (16.25%)    |    | 23/116 (19.83%)    |
| Royal Preston Hospital                         | 371/1,070 (34.67%) |    | 329/863 (38.12%)   |
| Cumberland Infirmary (Maternity)               | 117/435 (26.90%)   |    | 109/291 (37.46%)   |
| West Cumberland Hospital (Mat)                 | 42/191 (21.99%)    |    | 33/66 (50.00%)     |
| <hr/>  |                    |    |                    |
| Queen Elizabeth Hospital Gateshead (Maternity) | 302/1,009 (29.93%) |    | 274/743 (36.88%)   |
| Warwick Hospital                               | 184/608 (30.26%)   |    | 167/445 (37.53%)   |
| Queen Elizabeth Maternity Kings Lynn           | 165/558 (29.57%)   |    | 125/392 (31.89%)   |
| New Cross Maternity Hospital                   | 352/1,380 (25.51%) |    | 346/1,215 (28.48%) |
| Manor Hospital Walsall                         | 91/224 (40.63%)    |    | 86/184 (46.74%)    |
| Worcestershire Royal Maternity Hospital        | 652/1,561 (41.77%) |    | 515/1,089 (47.29%) |

|       |                          |                  |                      |                      |
|-------|--------------------------|------------------|----------------------|----------------------|
| Total | 5,109/17,530<br>(29.14%) | 166/515 (32.23%) | 1,491/4,332 (34.42%) | 2,510/7,397 (33.93%) |
|-------|--------------------------|------------------|----------------------|----------------------|

Table 103: Percentage of fetal concerns in indications for induction by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--------|---|--|---|---|
| 0      | 2,608/9,395 (27.76%)                            | 101/339 (29.79%)   | 799/2,465 (32.41%)  | 1,251/3,973 (31.49%)  |
| 1      | 1,392/4,658 (29.88%)                            | 41/118 (34.75%)  | 422/1,131 (37.31%)  | 680/1,936 (35.12%)  |
| 2      | 677/2,099 (32.25%)                              | 16/40 (40.00%)   | 157/463 (33.91%)  | 365/906 (40.29%)  |
| 3+     | 432/1,378 (31.35%)                              | 8/18 (44.44%)  | 113/273 (41.39%)  | 214/582 (36.77%)  |
| Total  | 5,109/17,530<br>(29.14%)                        | 166/515 (32.23%)   | 1,491/4,332<br>(34.42%)   | 2,510/7,397 (33.93%)  |

Table 104: Percentage of fetal concerns in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N<br>(%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|------------------------------|---|--|--|---|
| 37 weeks                     | 1,013/2,297 (44.10)                             | 27/50 (54.00)  | 302/584 (51.71)  | 510/1,056 (48.30)   |
| 38 weeks                     | 1,321/3,548 (37.23)                             | 40/85 (47.06)  | 362/894 (40.49)  | 647/1,547 (41.82)   |
| 39 weeks                     | 1,817/5,221 (34.80%)                            | 78/163 (47.85)   | 541/1,267 (42.70)  | 892/2,330 (38.28)   |
| 40 weeks                     | 789/3,441 (22.93)                               | 14/81 (17.28)  | 238/826 (28.81)  | 380/1,448 (26.24)   |
| 41 weeks                     | 163/2,867 (5.69)                                | 7/129 (5.43)   | 46/753 (6.11)  | 80/980 (8.16)   |
| 42+ weeks                    | 6/156 (3.85)                                    | <5   | <5   | <5  |
| Total                        | <5  | <5   | <5   | <5  |

Table 105: Percentage of rupture of membranes in indications for induction by site

| Hospital or NHS Trust                                     | Confirmed inductions(population 2)<br>N (%) |
|---|---|
| NHS Borders   | 10/170 (5.88)                               |
| NHS Fife  | 29/756 (3.84)                               |
| NHS Grampian  | 1/759 (0.13)                                |
| NHS Highland  | 24/462 (5.19)                               |
| NHS Lanarkshire   | 59/1,050 (5.62)                             |
| NHS Tayside   | 28/753 (3.72)                               |
| Ashford and St. Peter's Hospital Maternity                | 39/852 (4.58)                               |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 338/2,664 (12.69)                           |
| Darlington Memorial Hospital                              | <5  |
| University Hospital Of North Durham (Maternity)           | <5  |
| Dorset County Hospital                                    | 13/387 (3.36)                               |

|  |                 |
|--|-----------------|
| Epsom General (Maternity)                      | 29/653 (4.44)   |
| St Helier (Maternity)                          | 28/793 (3.53)   |
| Hereford County Maternity                      | 29/585 (4.96)   |
| Princess Royal University Hospital             | 5/142 (3.52)    |
| Denmark Hill Maternity                         | 5/160 (3.13)    |
| Chorley and South Ribble Hospital              | <5              |
| Royal Preston Hospital                         | 85/1,070 (7.94) |
| Cumberland Infirmary (Maternity)               | 10/435 (2.30)   |
| West Cumberland Hospital (Mat)                 | <5              |
| <hr/>  |                 |
| Queen Elizabeth Hospital Gateshead (Maternity) | 49/1,009 (4.86) |
| Warwick Hospital                               | 27/608 (4.44)   |
| Queen Elizabeth Maternity Kings Lynn           | 23/558 (4.12)   |
| New Cross Maternity Hospital                   | 67/1,380 (4.86) |
| Manor Hospital Walsall                         | 11/224 (4.91)   |
| Worcestershire Royal Maternity Hospital        | 13/1,561 (0.83) |



Total

928/17,530 (5.29)

Table 106: Percentage of rupture of membranes in indications for induction by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--------|---|--|---|---|
| 0      | 612/9,395 (6.51)                                | <5   | 107/2,465 (4.34)  | 413/3,973 (10.40)   |
| 1      | 201/4,658 (4.32)                                | <5   | 34/1,131 (3.01)   | 136/1,936 (7.02)  |
| 2      | 76/2,099 (3.62)                                 | <5   | 19/463 (4.10)   | 50/906 (5.52)   |
| 3+     | 39/1,378 (2.83)                                 | <5   | 7/273 (2.56)  | 30/582 (5.15)   |
| Total  | 928/17,530 (5.29)                               |  | 167/4,332 (3.86)  | 629/7,397 (8.50)  |

Table 107: Percentage of rupture of membranes in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|------------------------------|---|--|---|--|
| 37 weeks                     | 155/2,297 (6.75)                                | <5   | 37/584 (6.34)   | 99/1,056 (9.38)  |
| 38 weeks                     | 210/3,548 (5.92)                                | <5   | 38/894(4.25)  | 148/1,547 (9.57)   |
| 39 weeks                     | 246/5,221 (4.71)                                | <5   | 37/1,267 (2.92)   | 172/2,330 (7.38)   |
| 40 weeks                     | 228/3,441 (6.63)                                | <5   | 44/826 (5.33)   | 147/1,448 (10.15)  |
| 41 weeks                     | 87/2,867 (3.03)                                 | <5   | 11/753 (1.46)   | 61/980 (6.22)  |
| 42+ weeks                    | <5  | <5   | <5  | <5   |
| Total                        | 928/17,530 (5.29)                               | <5   | <5  | <5   |

Table 108: Percentage of reduced fetal movement in indications for induction by site

| Hospital or NHS Trust                                  | Confirmed inductions (population 2) N (%) | Mixed hospital, at home balloon cervical ripening (cohort 1) n/N (%) | In hospital only, prostaglandin cervical ripening (cohort 2) n/N (%) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) n/N (%) |
|--|---|--|--|--|
| NHS Borders  | 17/170 (10.00)                            | <5   |  | 3/30 (10.00)   |
| NHS Fife   | 130/756 (17.20)                           |  | 123/631 (19.49)  |  |
| NHS Grampian   | 129/759 (17.00)                           | 51/235 (21.70)   |  | 26/104 (25.00)   |
| NHS Highland   | 85/462 (18.40)                            |  |  | 68/334 (20.36)   |
| NHS Lanarkshire  | 114/1,050 (10.86)                         | <5   |  | 98/794 (12.34)   |
| NHS Tayside  | 74/753 (9.83)                             | 24/181 (13.26)   |  | 14/81 (17.28)  |
| Ashford and St. Peter's Hospital Maternity             | 162/852 (19.01)                           |  |  | 153/618 (24.76)  |
| Birmingham Women's and Children's NHS Foundation Trust | 527/2,664 (19.78)                         |  |  | 480/2,286 (21.00)  |
| Darlington Memorial Hospital                           | 24/143 (16.78)                            | <5   |  | 10/62 (16.13)  |
| University Hospital Of North Durham (Maternity)        | 15/164 (9.15)                             | 7/43 (16.28)   |  | 0/5 (0.00)   |
| Dorset County Hospital                                 | 66/387 (17.05)                            |  | 54/270 (20.00)   |  |

|  |                   |    |                   |
|--|-------------------|----|-------------------|
| Epsom General (Maternity)                      | 143/653 (21.90)   | <5 | 41/165 (24.85)    |
| St Helier (Maternity)                          | 248/793 (31.27)   | <5 | 103/309 (33.33)   |
| Hereford County Maternity                      | 85/585 (14.53)    |    | 80/495 (16.16)    |
| Princess Royal University Hospital             | 25/142 (17.61)    |    | 25/141 (17.73)    |
| Denmark Hill Maternity                         | 20/160 (12.50)    |    | 18/116 (15.52)    |
| Chorley and South Ribble Hospital              | <5                |    |                   |
| Royal Preston Hospital                         | 189/1,070 (17.66) |    | 168/863 (19.47)   |
| Cumberland Infirmary (Maternity)               | 39/435 (8.97)     |    | 38/291 (13.06)    |
| West Cumberland Hospital (Mat)                 | 11/191 (5.76)     |    | 7/66 (10.61)      |
| Queen Elizabeth Hospital Gateshead (Maternity) | 76/1,009 (7.53)   |    | 69/743 (9.29)     |
| Warwick Hospital                               | 95/608 (15.63)    |    | 88/445 (19.78)    |
| Queen Elizabeth Maternity Kings Lynn           | 156/558 (27.96)   |    | 117/392 (29.85)   |
| New Cross Maternity Hospital                   | 301/1,380 (21.81) |    | 298/1,215 (24.53) |
| Manor Hospital Walsall                         | 53/224 (23.66)    |    | 46/184 (25.00)    |

|  |                      |                |                   |                     |
|--|----------------------|----------------|-------------------|---------------------|
| Worcestershire Royal Maternity<br>Hospital | 265/1,561 (16.98)    |                | 216/1,089 (19.83) |                     |
| Total                                      | 3,049/17,530 (17.39) | 88/515 (17.09) | 895/4,332 (20.66) | 1,448/7,397 (19.58) |

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Table 109: Percentage of reduced fetal movement in indications for induction by parity

| Parity | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at home<br>balloon cervicalRipening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--------|---|---|---|---|
| 0      | 1,687/9,395 (17.96)                             | 59/339 (17.40)  | 525/2,465 (21.30)   | 793/3,973 (19.96)   |
| 1      | 844/4,658 (18.12)                               | 24/118 (20.34)  | 223/1,131 (19.72)   | 420/1,936 (21.69)   |
| 2      | 333/2,099 (15.86)                               | <5  | 105/463 (22.68)   | 141/906 (15.56)   |
| 3+     | 185/1,378 (13.43)                               | <5  | 42/273 (15.38)  | 94/582 (16.15)  |
| Total  | 3,049/17,530 (17.39)                            | 88/515 (17.09)  | 895/4,332 (20.66)   | 1,448/7,397 (19.58)   |

Table 110: Percentage of reduced fetal movement in indications for induction by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N<br>(%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|------------------------------|---|--|--|---|
| 37 weeks                     | 338/2,297 (14.71)                               | 6/50 (12.00)   | 87/584 (14.90)   | 161/1,056 (15.25)   |
| 38 weeks                     | 511/3,548 (14.40)                               | 13/85 (15.29)  | 154/894 (17.23)  | 227/1,547 (14.67)   |
| 39 weeks                     | 1,132/5,221 (21.68)                             | 31/163 (19.02)   | 350/1,267 (27.62)  | 543/2,330 (23.30)   |
| 40 weeks                     | 829/3,441 (24.09)                               | 27/81 (33.33)  | 253/826 (30.63)  | 392/1,448 (27.07)   |
| 41 weeks                     | 237/2,867 (8.27)                                | 11/129 (8.53)  | 50/753 (6.64)  | 125/980 (12.76)   |
| 42+ weeks                    | <5  | <5   | <5   | <5  |
| Total                        | <5  | <5   | <5   | <5  |

Table 111: Percentage of neonatal admissions in 48 hours for 48 hours by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|------------------------------|---|--|--|--|
| 37 weeks                     | 275/2,297 (11.97%)                              | <5   | 50/584 (8.56%)   | 153/1,056 (14.49%)   |
| 38 weeks                     | 170/3,548 (4.79%)                               | <5   | 40/894 (4.47%)   | 93/1,547 (6.01%)   |
| 39 weeks                     | 250/5,221 (4.79%)                               | <5   | 43/1,267 (3.39%)   | 129/2,330 (5.54%)  |
| 40 weeks                     | 211/3,441 (6.13%)                               | <5   | 39/826 (4.72%)   | 110/1,448 (7.60%)  |
| 41 weeks                     | 176/2,867 (6.14%)                               | 7/129 (5.43%)  | 33/753 (4.38%)   | 68/980 (6.94%)   |
| 42+ weeks                    | 13/156 (8.33%)                                  | <5   | <5   | <5   |
| Total                        | 1,095/17,530 (6.25%)                            | 16/515 (3.11%)   | 206/4,332 (4.76%)  | 556/7,397 (7.52%)  |



Table 112: Percentage of neonatal admissions in 48 hours for 48 hours by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|---|
| In-hospital cervical ripening<br>only            | 250/5,684 (4.40)                                |  | 206/4,332 (4.76)  |   |
| Home cervical ripening                           | 34/801 (4.24)                                   | 16/515 (3.11)  |   |   |
| In-hospital cervical ripening,<br>mixed hospital | 809/10,995 (7.36)                               |  |   | 556/7,397 (7.52)  |
| Unable to determine                              | <5  |  |   |   |
| Total  | 1,095/17,530 (6.25)                             | 16/515 (3.11)  | 206/4,332 (4.76)  | 556/7,397 (7.52)  |

Table 113: Percentage of postnatal blood loss  $\geq 1000\text{ml}$  by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|---|---|--|---|--|
| NHS Borders   | 26/170 (15.29%)                                 | 4/33 (12.12%)  |   | 7/30 (23.33%)  |
| NHS Fife  | 106/756 (14.02%)                                |  | 93/631 (14.74%)   |  |
| NHS Grampian  | 71/759 (9.35%)                                  | 26/235 (11.06%)  |   | 10/104 (9.62%)   |
| NHS Highland  | 55/462 (11.90%)                                 |  |   | 43/334 (12.87%)  |
| NHS Lanarkshire   | 152/1,050 (14.48%)                              | <5   |   | 122/794 (15.37%)   |
| NHS Tayside   | 75/753 (9.96%)                                  | 27/181 (14.92%)  |   | 11/81 (13.58%)   |
| Ashford and St. Peter's Hospital<br>Maternity             | 130/852 (15.26%)                                |  |   | 93/618 (15.05%)  |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 305/2,664 (11.45%)                              |  |   | 264/2,286 (11.55%)   |
| Darlington Memorial Hospital                              | 19/143 (13.29%)                                 | <5   |   | 11/62 (17.74%)   |
| University Hospital Of North<br>Durham (Maternity)        | 12/164 (7.32%)                                  | 5/43 (11.63%)  |   | 0/5 (0.00%)  |

|  |                    |    |                    |
|--|--------------------|----|--------------------|
| Dorset County Hospital                         | 59/387 (15.25%)    |    | 40/270 (14.81%)    |
| Epsom General (Maternity)                      | 85/653 (13.02%)    | <5 | 17/165 (10.30%)    |
| St Helier (Maternity)                          | 84/793 (10.59%)    | <5 | 33/309 (10.68%)    |
| Hereford County Maternity                      | 60/585 (10.26%)    |    | 48/495 (9.70%)     |
| Princess Royal University Hospital             | 22/142 (15.49%)    |    | 22/141 (15.60%)    |
| Denmark Hill Maternity                         | 20/160 (12.50%)    |    | 13/116 (11.21%)    |
| Royal Preston Hospital                         | 114/1,070 (10.65%) |    | 95/863 (11.01%)    |
| Cumberland Infirmary (Maternity)               | 49/435 (11.26%)    |    | 28/291 (9.62%)     |
| West Cumberland Hospital (Mat)                 | 30/191 (15.71%)    |    | 9/66 (13.64%)      |
| <hr/>  |                    |    |                    |
| Queen Elizabeth Hospital Gateshead (Maternity) | 86/1,009 (8.52%)   |    | 61/743 (8.21%)     |
| Warwick Hospital                               | 69/608 (11.35%)    |    | 51/445 (11.46%)    |
| Queen Elizabeth Maternity Kings Lynn           | 54/558 (9.68%)     |    | 38/392 (9.69%)     |
| New Cross Maternity Hospital                   | 139/1,380 (10.07%) |    | 122/1,215 (10.04%) |
| Manor Hospital Walsall                         | 25/224 (11.16%)    |    | 21/184 (11.41%)    |

|  |                          |                 |                    |                    |
|--|--------------------------|-----------------|--------------------|--------------------|
| Worcestershire Royal Maternity<br>Hospital | 129/1,561 (8.26%)        |                 | 96/1,089 (8.82%)   |                    |
| Total                                      | 1,976/17,530<br>(11.27%) | 65/515 (12.62%) | 482/4,332 (11.13%) | 866/7,397 (11.71%) |

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Table 114: Percentage of postnatal blood loss  $\geq 1000\text{ml}$  by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|---|
| In-hospital cervical ripening only               | 628/5,684 (11.05%)                              |  | 482/4,332 (11.13%)  |   |
| Home cervical ripening                           | 99/801 (12.36%)                                 | 65/515 (12.62%)  |   |   |
| In-hospital cervical ripening,<br>mixed hospital | 1,243/10,995<br>(11.31%)                        |  |   | 866/7,397 (11.71%)  |
| Unable to determine                              | 6/50 (12.00%)                                   |  |   |   |
| Total  | 1,976/17,530<br>(11.27%)                        | 65/515 (12.62%)  | 482/4,332 (11.13%)  | 866/7,397 (11.71%)  |

Table 115: Percentage of pyrexia after IOL (>=38 degrees from observations) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|---|
| In-hospital cervical ripening only               | 251/5,676 (4.42%)                               |  | 198/4,330 (4.57%)   |   |
| Home cervical ripening                           | 55/801 (6.87%)                                  | 39/515 (7.57%)   |   |   |
| In-hospital cervical ripening,<br>mixed hospital | 623/10,988 (5.67%)                              |  |   | 451/7,395 (6.10%)   |
| Unable to determine                              | 5/50 (10.00%)                                   |  |   |   |
| Total  | 934/17,515 (5.33%)                              | 39/515 (7.57%)   | 198/4,330 (4.57%)   | 451/7,395 (6.10%)   |

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Table 116: Percentage of retained placenta by IOL setting

| IOL type                                      | Confirmed inductions<br>(population 2)<br>N (%) |
|---|---|
| In-hospital cervical ripening only            | 7/5,684 (0.12%)                                 |
| Home cervical ripening                        | <5  |
| In-hospital cervical ripening, mixed hospital | 7/10,995 (0.06%)                                |
| Unable to determine                           | <5  |
| Total   | 15/17,530 (0.09%)                               |

Table 117: Median and IQR Apgar score at 1 minute (neonatal admissions only) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|--|---|--|
| In-hospital cervical ripening<br>only            | 9.00 (7.00, 9.00), n=436                               |  | 9.00 (7.00, 9.00), n=353  |  |
| Home cervical ripening                           | 9.00 (6.00, 9.00), n=68                                | 9.00 (5.50, 9.00), n=40  |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 9.00 (8.00, 9.00),<br>n=1516                           |  |   | 9.00 (8.00, 9.00),<br>n=1004   |
| Unable to determine                              | 9.00 (9.00, 9.00), n=8                                 |  |   |  |
| Total  | 9.00 (8.00, 9.00),<br>n=2028                           | 9.00 (5.50, 9.00), n=40  | 9.00 (7.00, 9.00), n=353  | 9.00 (8.00, 9.00),<br>n=1004   |

Apgar score at 1 minute only available in neonatal summary table



Table 118. Median and IQR Apgar score at 5 minutes (neonatal admissions only) by IOL setting

| IOL type                                      | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|---|---|--|--|--|
| In-hospital cervical ripening only            | 9.00 (9.00, 10.00), n=437                           |  | 9.00 (9.00, 10.00), n=354  |  |
| Home cervical ripening                        | 9.00 (9.00, 9.00), n=68                             | 9.00 (8.50, 9.00), n=40  |  |  |
| In-hospital cervical ripening, mixed hospital | 9.00 (9.00, 10.00), n=1515                          |  |  | 9.00 (9.00, 10.00), n=1004   |
| Unable to determine                           | 10.00 (9.50, 10.00), n=8                            |  |  |  |
| Total   | 9.00 (9.00, 10.00), n=2028                          | 9.00 (8.50, 9.00), n=40  | 9.00 (9.00, 10.00), n=354  | 9.00 (9.00, 10.00), n=1004   |

Table 119. Median and IQR Apgar score at 5 minutes (all infants) by IOL setting

| IOL type                                      | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|---|---|--|--|--|
| In-hospital cervical ripening only            | 9.00 (9.00, 10.00), n=5671                          |  | 9.00 (9.00, 10.00), n=4323   |  |
| Home cervical ripening                        | 9.00 (9.00, 9.00), n=790                            | 9.00 (9.00, 9.00), n=511   |  |  |
| In-hospital cervical ripening, mixed hospital | 9.00 (9.00, 10.00), n=10911                         |  |  | 9.00 (9.00, 10.00), n=7331   |
| Unable to determine                           | 10.00 (9.00, 10.00), n=50                           |  |  |  |
| Total   | 9.00 (9.00, 10.00), n=17422                         | 9.00 (9.00, 9.00), n=511   | 9.00 (9.00, 10.00), n=4323   | 9.00 (9.00, 10.00), n=7331   |

Table 120: Median and IQR Apgar score at 10 minutes (neonatal admissions only) by IOL setting

| IOL type                                      | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|---|---|--|--|--|
| In-hospital cervical ripening only            | 9.00 (8.00, 9.00),<br>n=213                         |  | 9.00 (8.00, 9.00),<br>n=173  |  |
| Home cervical ripening                        | 9.00 (8.00, 9.00),<br>n=38                          | 9.00 (8.00, 9.00),<br>n=22   |  |  |
| In-hospital cervical ripening, mixed hospital | 9.00 (9.00, 9.00),<br>n=673                         |  |  | 9.00 (9.00, 9.00),<br>n=460  |
| Unable to determine                           | 9.50 (9.00, 10.00),<br>n=6                          |  |  |  |
| Total   | 9.00 (9.00, 9.00),<br>n=930                         | 9.00 (8.00, 9.00),<br>n=22   | 9.00 (8.00, 9.00),<br>n=173  | 9.00 (9.00, 9.00),<br>n=460  |

Table 121. Median and IQR Apgar score at 10 minutes (all infants) by IOL setting

| IOL type                                      | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|---|---|--|--|--|
| In-hospital cervical ripening only            | 10.00 (9.00, 10.00),<br>n=828                       |  | 10.00 (9.00, 10.00),<br>n=558  |  |
| Home cervical ripening                        | 9.00 (9.00, 10.00),<br>n=103                        | 9.00 (9.00, 10.00), n=44   |  |  |
| In-hospital cervical ripening, mixed hospital | 9.00 (9.00, 10.00),<br>n=1818                       |  |  | 9.00 (9.00, 10.00),<br>n=1296  |
| Unable to determine                           | 10.00 (10.00, 10.00),<br>n=11                       |  |  |  |
| Total   | 10.00 (9.00, 10.00),<br>n=2760                      | 9.00 (9.00, 10.00), n=44   | 10.00 (9.00, 10.00),<br>n=558  | 9.00 (9.00, 10.00),<br>n=1296  |

Table 122: Percentage of neonatal admissions (any) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|---|
| In-hospital cervical ripening only               | 458/5,684 (8.06%)                               |  | 371/4,332 (8.56%)   |   |
| Home cervical ripening                           | 70/801 (8.74%)                                  | 40/515 (7.77%)   |   |   |
| In-hospital cervical ripening,<br>mixed hospital | 1,580/10,995<br>(14.37%)                        |  |   | 1,049/7,397 (14.18%)  |
| Unable to determine                              | 8/50 (16.00%)                                   |  |   |   |
| Total  | 2,116/17,530<br>(12.07%)                        | 40/515 (7.77%)   | 371/4,332 (8.56%)   | 1,049/7,397 (14.18%)  |

Table 123: Median and IQR time cervix fully dilated pre-birth (mins) by site

| Hospital or NHS Trust                      | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|--|---|--|--|--|
| NHS Borders                                | -25.00 (-86.50, -10.50), n=120                      | -53.00 (-143.0, -7.00), n=23   |  | -67.00 (-136.0, -20.00), n=18  |
| NHS Fife                                   | -17.00 (-76.00, -5.00), n=572                       |  | -16.00 (-75.00, -5.00), n=466  |  |
| NHS Grampian                               | -51.00 (-158.0, -11.00), n=490                      | -79.00 (-162.0, -17.00), n=154   |  | -94.00 (-202.0, -27.00), n=45  |
| NHS Highland                               | -30.00 (-110.0, -9.00), n=335                       |  |  | -41.00 (-124.0, -9.50), n=232  |
| NHS Lanarkshire                            | -36.00 (-117.0, -10.00), n=630                      | <5   |  | -37.00 (-127.0, -10.00), n=469   |
| NHS Tayside                                | -28.50 (-110.5, -9.00), n=540                       | -61.00 (-143.0, -15.00), n=106   |  | -37.00 (-131.0, -8.00), n=53   |
| Ashford and St. Peter's Hospital Maternity | -48.00 (-138.0, -14.00), n=597                      |  |  | -53.50 (-142.0, -15.00), n=430   |

|  |                                   |                                 |                                   |
|--|-----------------------------------|---------------------------------|-----------------------------------|
| Birmingham Women's and Children's NHS Foundation Trust | -25.00 (-90.50, -8.00),<br>n=1652 |                                 | -24.00 (-84.00, -8.00),<br>n=1407 |
| Darlington Memorial Hospital                           | -21.00 (-74.00, -8.00),<br>n=107  | -94.00 (-175.0, -71.50),<br>n=8 | -25.50 (-63.50, -11.00),<br>n=40  |
| University Hospital Of North Durham (Maternity)        | -17.00 (-92.00, -6.00),<br>n=124  | -18.50 (-61.00, -8.00),<br>n=26 | <5                                |
| Dorset County Hospital                                 | -19.00 (-67.00, -8.00),<br>n=272  |                                 | -21.00 (-74.00, -9.00),<br>n=177  |
| Epsom General (Maternity)                              | -53.50 (-138.0, -14.00), n=486    | <5                              | -30.00 (-105.0, -11.00),<br>n=122 |
| St Helier (Maternity)                                  | -41.00 (-128.0, -11.00), n=533    | <5                              | -26.00 (-100.0, -10.00),<br>n=211 |
| Hereford County Maternity                              | -28.00 (-85.00, -10.00), n=374    |                                 | -28.00 (-85.00, -10.00),<br>n=310 |
| Princess Royal University Hospital                     | -44.50 (-108.0, -12.50), n=92     |                                 | -44.00 (-108.0, -12.00), n=91     |
| Denmark Hill Maternity                                 | -46.00 (-132.0, -10.00), n=102    |                                 | -33.00 (-123.0, -8.00),<br>n=71   |
| Chorley and South Ribble Hospital                      | <5                                |                                 |                                   |
| Royal Preston Hospital                                 | -23.00 (-73.00, -8.00),<br>n=824  |                                 | -21.00 (-65.00, -8.00),<br>n=668  |
| Cumberland Infirmary (Maternity)                       | -45.00 (-133.0, -11.00), n=297    |                                 | -49.00 (-134.0, -12.00), n=191    |

|  |                                     |                                   |                                   |                                    |
|--|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| West Cumberland Hospital (Mat)                 | -26.50 (-80.00, -9.00),<br>n=150    |                                   | -25.50 (-127.5, -5.00),<br>n=48   |                                    |
| Queen Elizabeth Hospital Gateshead (Maternity) | -40.00 (-140.0, -10.00), n=779      |                                   |                                   | -39.00 (-140.0, -10.00),<br>n=571  |
| Warwick Hospital                               | -37.00 (-111.0, -12.00), n=429      |                                   | -33.50 (-108.0, -11.00), n=302    |                                    |
| Queen Elizabeth Maternity Kings Lynn           | -24.50 (-82.00, -7.00),<br>n=398    |                                   |                                   | -26.50 (-95.50, -8.00),<br>n=260   |
| New Cross Maternity Hospital                   | -26.00 (-99.00, -8.00),<br>n=875    |                                   | -27.00 (-100.0, -8.00),<br>n=775  |                                    |
| Manor Hospital Walsall                         | -25.00 (-67.00, -9.00),<br>n=145    |                                   | -26.00 (-67.00, -10.00), n=117    |                                    |
| Worcestershire Royal Maternity Hospital        | -35.00 (-96.00, -12.00),<br>n=1127  |                                   | -35.00 (-100.0, -13.00), n=774    |                                    |
| Total  | -30.00 (-105.0, -10.00),<br>n=12051 | -65.50 (-150.0, -16.00),<br>n=324 | -29.00 (-96.00, -9.00),<br>n=2941 | -29.00 (-105.0, -10.00),<br>n=4910 |

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'-' indicates number of minutes prior to birth e.g. -30 means the cervix was fully dilated for 30 minutes prior to birth



Table 124: Median and IQR time cervix fully dilated pre-birth (mins) by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) (N) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--------|--|--|---|--|
| 0      | -89.00 (-170.0, -34.00),<br>n=5767                         | -116.0 (-181.0, -59.00),<br>n=186  | -76.00 (-154.0, -30.00),<br>n=1513  | -85.00 (-171.0, -31.00),<br>n=2355   |
| 1      | -14.00 (-38.00, -6.00),<br>n=3684                          | -20.00 (-82.00, -7.00),<br>n=94  | -12.00 (-29.00, -5.00),<br>n=876  | -14.00 (-38.00, -6.00),<br>n=1490  |
| 2      | -9.00 (-22.00, -4.00),<br>n=1591                           | -12.00 (-19.00, -6.00),<br>n=30  | -8.00 (-20.00, -4.00),<br>n=350   | -9.00 (-24.00, -4.00),<br>n=655  |
| 3+     | -8.00 (-19.00, -3.00),<br>n=1009                           | -8.00 (-17.00, -5.00),<br>n=14   | -6.00 (-18.00, -3.00),<br>n=202   | -8.00 (-19.00, -3.00),<br>n=410  |
| Total  | -30.00 (-105.0, -10.00),<br>n=12051                        | -65.50 (-150.0, -16.00),<br>n=324  | -29.00 (-96.00, -9.00),<br>n=2941   | -29.00 (-105.0, -10.00),<br>n=4910   |

Table 125: Median and IQR time cervix fully dilated pre-birth (mins) by gestational age at induction

| Gestational age at induction | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|------------------------------|---|--|--|--|
| 37 weeks                     | -20.00 (-68.00, -7.00),<br>n=1595                   | -19.00 (-118.0, -7.00),<br>n=35  | -20.00 (-58.00, -7.00),<br>n=394   | -18.00 (-67.00, -7.00),<br>n=701   |
| 38 weeks                     | -25.00 (-90.00, -8.00),<br>n=2454                   | -27.00 (-106.0, -10.00),<br>n=59   | -25.00 (-90.50, -7.00),<br>n=616   | -26.00 (-89.00, -8.00),<br>n=1021  |
| 39 weeks                     | -30.50 (-106.0, -10.00),<br>n=3698                  | -82.00 (-159.5, -17.00),<br>n=104  | -30.00 (-99.00, -10.00),<br>n=878  | -30.00 (-110.0, -9.00),<br>n=1591  |
| 40 weeks                     | -35.00 (-115.0, -11.00),<br>n=2354                  | -71.00 (-143.0, -22.50),<br>n=52   | -31.00 (-97.00, -10.00),<br>n=557  | -36.00 (-119.0, -11.00),<br>n=962  |
| 41 weeks                     | -52.50 (-145.0, -15.00),<br>n=1854                  | -94.00 (-162.0, -20.00),<br>n=69   | -42.00 (-119.0, -14.00),<br>n=493  | -52.00 (-140.0, -14.00),<br>n=618  |
| 42+ weeks                    | -50.00 (-134.0, -11.50),<br>n=96                    | <5   | <5   | -51.00 (-150.0, -14.00),<br>n=17   |
| Total                        | -30.00 (-105.0, -10.00),<br>n=12051                 | -65.50 (-150.0, -16.00),<br>n=324  | -29.00 (-96.00, -9.00),<br>n=2941  | -29.00 (-105.0, -10.00),<br>n=4910   |

Table 126: Median and IQR time cervix fully dilated pre-birth (mins) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon<br>cervical ripening (cohort<br>1) Median (IQR) | In hospital only,<br>prostaglandin<br>cervical ripening (cohort<br>2) Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3) Median<br>(IQR) |
|--|--|--|--|--|
| In-hospital cervical ripening only               | -29.00 (-95.00, -9.00),<br>n=3959                      |  | -29.00 (-96.00, -9.00),<br>n=2941  |  |
| Home cervical ripening                           | -58.50 (-143.0, -<br>15.00), n=538                     | -65.50 (-150.0, -16.00),<br>n=324  |  |  |
| In-hospital cervical ripening,<br>mixed hospital | -30.00 (-107.0, -9.00),<br>n=7519                      |  |  | -29.00 (-105.0, -10.00),<br>n=4910   |
| Unable to determine                              | -43.00 (-123.0, -<br>20.00), n=35                      |  |  |  |
| Total  | -30.00 (-105.0, -10.00),<br>n=12051                    | -65.50 (-150.0, -16.00),<br>n=324  | 29.00 (-96.00, -9.00),<br>n=2941   | -29.00 (-105.0, -10.00),<br>n=4910   |

Table 127: Median and IQR time from induction to cervix fully dilated (mins) by site

| Hospital or NHS Trust  | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon<br>cervical ripening (cohort<br>1) Median (IQR) | In hospital only,<br>prostaglandin<br>cervical ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical<br>ripening (cohort<br>3) Median (IQR) |
|--|--|--|---|--|
| NHS Borders  | 1028.5 (417.50,<br>1426.5), n=120                      | 1428.0<br>(1215.0,1680.0), n=23  |   | 545.00<br>(400.00,910.00), n=18  |
| NHS Fife   | 1221.5 (607.50,<br>2290.0), n=572                      |  | 1520.0 (824.00,<br>2415.0), n=466   |  |
| NHS Grampian   | 1415.0 (430.00,<br>2380.0), n=490                      | 1999.5 (1540.0,<br>3115.0), n=154  |   | 2725.0<br>(1590.0,3670.0), n=45  |
| NHS Highland   | 1242.0 (535.00,<br>2480.0), n=335                      |  |   | 1914.0 (1052.5,<br>2887.5), n=232  |
| NHS Lanarkshire  | 1152.5 (574.00,<br>1915.0), n=630                      |  | <5  | 1395.0 (935.00,<br>2085.0), n=469  |
| NHS Tayside  | 739.00 (414.50,<br>2516.0), n=540                      | 3616.5 (2360.0,<br>4791.0), n=106  |   | 1540.0 (870.00,<br>2398.0), n=53   |
| Ashford and St. Peter's Hospital<br>Maternity                | 1565.0 (801.00,<br>2904.0), n=597                      |  |   | 1835.0 (947.00,<br>3048.0), n=430  |
| Birmingham Women's and<br>Children's NHS Foundation<br>Trust | 1279.0 (698.50,<br>2698.5), n=1652                     |  |   | 1430.0 (796.00,<br>2915.0), n=1407   |

|  |                                   |                                   |                                   |
|--|-----------------------------------|-----------------------------------|-----------------------------------|
| Darlington Memorial Hospital                       | 868.00 (373.00,<br>2143.0), n=107 | 2422.5<br>(1867.5,3015.0), n=8    | 1641.5 (949.00,<br>2929.5), n=40  |
| University Hospital Of North<br>Durham (Maternity) | 803.50 (436.00,<br>2045.0), n=124 | 2074.0 (1844.0,<br>2515.0), n=26  | <5                                |
| Dorset County Hospital                             | 826.00 (466.00,<br>1302.0), n=272 |                                   | 1000.0 (717.00,<br>1599.0), n=177 |
| Epsom General (Maternity)                          | 785.50 (470.00,<br>1370.0), n=486 | <5                                | 1035.5 (744.00,<br>1685.0), n=122 |
| St Helier (Maternity)                              | 961.00 (497.00,<br>2285.0), n=533 | <5                                | 1255.0 (765.00,<br>2172.0), n=211 |
| Hereford County Maternity                          | 1299.5 (639.00,<br>2277.0), n=374 |                                   | 1572.5 (874.00,<br>2454.0), n=310 |
| Princess Royal University<br>Hospital              | 1618.0 (993.50,<br>2403.5), n=92  |                                   | 1638.0 (1005.0,<br>2434.0), n=91  |
| <hr/>  |                                   |                                   |                                   |
| Denmark Hill Maternity                             | 1290.0 (685.00,<br>2280.0), n=102 |                                   | 1676.0 (874.00,<br>2520.0), n=71  |
| Royal Preston Hospital                             | 1187.5 (654.50,<br>2045.0), n=824 |                                   | 1289.5 (755.50,<br>2125.0), n=668 |
| Cumberland Infirmary<br>(Maternity)                | 955.00 (535.00,<br>1498.0), n=297 | 1228.0 (835.00,<br>1898.0), n=191 |                                   |
| West Cumberland Hospital<br>(Mat)                  | 702.50 (405.00,<br>1545.0), n=150 | 1797.5 (1053.5,<br>3551.5), n=48  |                                   |
| Queen Elizabeth Hospital<br>Gateshead (Maternity)  | 1022.0 (584.00,<br>1699.0), n=779 |                                   | 1235.0 (785.00,<br>1865.0), n=571 |

|  |                                     |                                   |                                    |                                    |
|--|-------------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| Warwick Hospital                           | 1295.0 (601.00,<br>2889.0), n=429   |                                   | 1830.5 (1042.0,<br>3263.0), n=302  |                                    |
| Queen Elizabeth Maternity Kings<br>Lynn    | 1125.5 (502.00,<br>2582.0), n=398   |                                   |                                    | 1711.5 (850.50,<br>3320.0), n=260  |
| New Cross Maternity Hospital               | 1385.0 (655.00,<br>2665.0), n=875   |                                   | 1530.0 (783.00,<br>2869.0), n=775  |                                    |
| Manor Hospital Walsall                     | 987.00 (580.00,<br>1900.0), n=145   |                                   | 1360.0 (675.00,<br>2075.0), n=117  |                                    |
| Worcestershire Royal Maternity<br>Hospital | 2050.0 (850.00,<br>4766.0), n=1127  |                                   | 2493.0 (1250.0,<br>5270.0), n=774  |                                    |
| Total                                      | 1190.0 (588.00, 2340.0),<br>n=12051 | 2285.0 (1637.5,<br>3690.5), n=324 | 1657.0 (910.00,<br>3045.0), n=2941 | 1410.5 (830.00,<br>2497.0), n=4910 |

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Table 128: Median and IQR time from induction to cervix fully dilated (mins) by parity

| Parity | Confirmed inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|--------|---|--|--|--|
| 0      | 1492.0 (765.00, 2700.0), n=5767                     | 2462.5 (1805.0, 3860.0), n=186   | 1858.0 (1070.0, 3245.0), n=1513  | 1660.0 (1005.0, 2835.0), n=2355  |
| 1      | 945.00 (490.00, 1990.0), n=3684                     | 2102.5 (1360.0, 3300.0), n=94  | 1423.0 (760.00, 2723.5), n=876   | 1166.0 (712.00, 2118.0), n=1490  |
| 2      | 925.00 (470.00, 1985.0), n=1591                     | 2061.5 (1365.0, 2919.0), n=30  | 1395.0 (710.00, 2760.0), n=350   | 1190.0 (720.00, 2230.0), n=655   |
| 3+     | 920.00 (462.00, 1970.0), n=1009                     | 2207.5 (1735.0, 3384.0), n=14  | 1387.0 (755.00, 3010.0), n=202   | 1197.0 (715.00, 2205.0), n=410   |
| Total  | 1190.0 (588.00, 2340.0), n=12051                    | 2285.0 (1637.5, 3690.5), n=324   | 1657.0 (910.00, 3045.0), n=2941  | 1410.5 (830.00, 2497.0), n=4910  |

Table 129: Median and IQR time from induction to cervix fully dilated (mins) by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------------|--|---|---|--|
| 37 weeks                     | 1400.0 (678.00,<br>2825.0), n=1595                     | 2340.0 (1740.0,<br>4507.0), n=35  | 1916.0 (950.00,<br>3490.0), n=394   | 1667.0 (890.00,<br>2895.0), n=701  |
| 38 weeks                     | 1320.0 (630.00,<br>2618.0), n=2454                     | 2310.0 (1435.0,<br>3789.0), n=59  | 1872.5 (1050.0,<br>3637.5), n=616   | 1555.0 (895.00,<br>2647.0), n=1021   |
| 39 weeks                     | 1271.0 (606.00,<br>2464.0), n=3698                     | 2518.5 (1804.0,<br>3643.5), n=104   | 1772.5 (995.00,<br>3196.0), n=878   | 1465.0 (850.00,<br>2615.0), n=1591   |
| 40 weeks                     | 1033.0 (530.00,<br>2019.0), n=2354                     | 2275.0 (1615.0,<br>3652.5), n=52  | 1491.0 (803.00,<br>2535.0), n=557   | 1238.0 (750.00,<br>2165.0), n=962  |
| 41 weeks                     | 994.50 (555.00,<br>1959.0), n=1854                     | 2025.0 (1495.0,<br>3300.0), n=69  | 1240.0 (785.00,<br>2323.0), n=493   | 1240.0 (750.00,<br>2040.0), n=618  |
| 42+ weeks                    | 581.50 (351.00,<br>1139.0), n=96                       | 1635.0 (1435.0,<br>4302.0), n=5   | <5  | 1138.0 (690.00,<br>1700.0), n=17   |
| Total                        | 1190.0 (588.00, 2340.0),<br>n=12051                    | 2285.0 (1637.5,<br>3690.5), n=324   | 1657.0 (910.00,<br>3045.0), n=2941  | 1410.5 (830.00,<br>2497.0), n=4910   |



Table 130: Median and IQR time from induction to cervix fully dilated (mins) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|---|---|--|
| In-hospital cervical ripening<br>only            | 1315.0 (620.00,<br>2699.0), n=3959                     |   | 1657.0 (910.00,<br>3045.0), n=2941  |  |
| Home cervical ripening                           | 2103.5 (1395.0,<br>3350.0), n=538                      | 2285.0 (1637.5,<br>3690.5), n=324   |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 1060.0 (550.00,<br>2095.0), n=7519                     |   |   | 1410.5 (830.00,<br>2497.0), n=4910   |
| Unable to determine                              | 1110.0 (414.00,<br>2695.0), n=35                       |   |   |  |
| Total  | 1190.0 (588.00,<br>2340.0), n=12051                    | 2285.0 (1637.5,<br>3690.5), n=324   | 1657.0 (910.00,<br>3045.0), n=2941  | 1410.5 (830.00,<br>2497.0), n=4910   |

Table 131: Median and IQR time from induction to cervix fully dilated (mins) by first induction method

| First induction method | Confirmed inductions (population 2)Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) Median (IQR) |
|------------------------|---|--|--|---|
| Cervical Balloon       | 2235.0 (1560.0, 3245.0), n=753                  | 2285.0 (1637.5, 3690.5), n=324   |  |   |
| Cervical Dilator       | 1830.0 (1463.0, 2465.0), n=43                   |  |  |   |
| Prostaglandins         | 1495.0 (858.00, 2670.0), n=8002                 |  | 1657.0 (910.00, 3045.0), n=2941  | 1410.5 (830.00, 2497.0), n=4910   |
| Non-ripening           | 410.00 (238.00, 645.00), n=2824                 |  |  |   |
| Missing                | 1825.0 (866.00, 3517.0), n=429                  |  |  |   |
| Total                  | 1190.0 (588.00, 2340.0), n=12051                | 2285.0 (1637.5, 3690.5), n=324   | 1657.0 (910.00, 3045.0), n=2941  | 1410.5 (830.00, 2497.0), n=4910   |

Table 132: Median and IQR time from induction to birth (hours) by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)Median<br>(IQR) |
|---|--|--|---|---|
| NHS Borders   | 19.73 (9.13, 26.95),<br>n=170                          | 25.68 (21.13, 29.50),<br>n=33  |   | 15.13 (8.77, 21.38),<br>n=30  |
| NHS Fife  | 24.51 (12.01, 42.63),<br>n=756                         |  | 29.32 (15.77, 44.12),<br>n=631  |   |
| NHS Grampian  | 27.90 (10.62, 45.77),<br>n=759                         | 37.52 (27.93, 55.78),<br>n=235   |   | 46.28 (28.88, 63.08),<br>n=104  |
| NHS Highland  | 26.06 (11.48, 47.82),<br>n=462                         |  |   | 36.08 (19.20, 56.05),<br>n=334  |
| NHS Lanarkshire   | 20.72 (10.77, 35.58),<br>n=1050                        | 35.90 (27.72, 36.05),<br>n=5   |   | 25.62 (16.50, 40.85),<br>n=794  |
| NHS Tayside   | 17.68 (8.70, 50.98),<br>n=753                          | 62.40 (41.45, 79.43),<br>n=181   |   | 28.83 (16.80, 50.58),<br>n=81   |
| Ashford and St. Peter's Hospital<br>Maternity             | 30.79 (15.21, 53.90),<br>n=852                         |  |   | 34.52 (18.92, 55.67),<br>n=618  |
| Birmingham Women's and<br>Children's NHS Foundation Trust | 25.53 (12.81, 53.32),<br>n=2664                        |  |   | 28.62 (14.85, 57.98),<br>n=2286   |
| Darlington Memorial Hospital                              | 18.40 (7.75, 40.45),<br>n=143                          | 46.52 (26.87, 55.82),<br>n=11  |   | 31.73 (19.35, 56.15),<br>n=62   |

|   |                                 |                               |                                |
|---|---------------------------------|-------------------------------|--------------------------------|
| University Hospital Of North Durham (Maternity) | 20.12 (7.97, 36.19),<br>n=164   | 36.33 (29.10, 45.18),<br>n=43 | 15.13 (12.40, 27.48),<br>n=5   |
| Dorset County Hospital                          | 15.72 (9.30, 26.98),<br>n=387   |                               | 20.58 (13.30, 33.77),<br>n=270 |
| Epsom General (Maternity)                       | 16.20 (9.53, 30.00),<br>n=653   | <5                            | 21.23 (14.60, 31.00),<br>n=165 |
| St Helier (Maternity)                           | 20.48 (9.83, 43.18),<br>n=793   | <5                            | 23.82 (14.32, 38.72),<br>n=309 |
| Hereford County Maternity                       | 27.35 (13.85, 49.17),<br>n=585  |                               | 32.18 (17.50, 53.82),<br>n=495 |
| Princess Royal University Hospital              | 32.23 (21.30, 58.78),<br>n=142  |                               | 32.45 (22.22, 58.78),<br>n=141 |
| Denmark Hill Maternity                          | 26.23 (14.66, 46.94),<br>n=160  |                               | 32.93 (17.94, 49.07),<br>n=116 |
| Royal Preston Hospital                          | 21.91 (12.07, 36.98),<br>n=1070 |                               | 23.45 (13.95, 39.20),<br>n=863 |
| Cumberland Infirmary(Maternity)                 | 18.27 (10.25, 30.08),<br>n=435  |                               | 24.48 (15.82, 38.02),<br>n=291 |
| West Cumberland Hospital (Mat)                  | 15.45 (8.13, 32.13),<br>n=191   |                               | 32.73 (20.27, 66.95),<br>n=66  |
| Queen Elizabeth Hospital Gateshead (Maternity)  | 19.78 (10.80, 33.20),<br>n=1009 |                               | 23.42 (14.20, 35.67),<br>n=743 |
| Warwick Hospital                                | 27.45 (12.63, 59.37),<br>n=608  |                               | 36.38 (20.35, 67.25),<br>n=445 |

|   |                                  |                                |                                 |                                 |
|---|----------------------------------|--------------------------------|---------------------------------|---------------------------------|
| Queen Elizabeth Maternity Kings Lynn    | 22.77 (10.53, 52.85),<br>n=558   |                                |                                 | 33.88 (16.35, 64.18),<br>n=392  |
| New Cross Maternity Hospital            | 26.67 (12.47, 53.25),<br>n=1380  |                                | 30.78 (15.70, 57.52),<br>n=1215 |                                 |
| Manor Hospital Walsall                  | 19.11 (10.45, 34.80),<br>n=224   |                                | 24.62 (12.97, 37.22),<br>n=184  |                                 |
| Worcestershire Royal Maternity Hospital | 38.83 (15.25, 84.00),<br>n=1561  |                                | 49.03 (22.73, 94.92),<br>n=1089 |                                 |
| Total                                   | 23.63 (11.57, 45.97),<br>n=17530 | 42.90 (29.62, 66.30),<br>n=515 | 31.77 (17.37, 58.57),<br>n=4332 | 27.48 (15.57, 48.92),<br>n=7397 |

Table 133: Median and IQR time from induction to birth (hours) by parity

| Parity | Confirmed inductions (population 2) Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1) Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2) Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) Median (IQR) |
|--------|--|---|---|---|
| 0      | 30.13 (15.90, 54.03),<br>n=9395                  | 46.52 (32.00, 70.25),<br>n=339  | 36.83 (21.40, 65.47),<br>n=2465   | 33.48 (20.22, 56.23),<br>n=3973   |
| 1      | 16.88 (8.62, 35.32),<br>n=4658                   | 38.58 (23.77, 56.45),<br>n=118  | 24.75 (13.45, 48.02),<br>n=1131   | 20.47 (12.08, 37.45),<br>n=1936   |
| 2      | 16.92 (8.58, 34.63),<br>n=2099                   | 36.08 (22.53, 50.28),<br>n=40   | 24.35 (12.77, 47.65),<br>n=463  | 21.41 (12.55, 40.32),<br>n=906  |

|       |                                  |                                |                                 |                                 |
|-------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|
| 3+    | 16.03 (8.32, 34.60),<br>n=1378   | 37.18 (29.07, 56.43),<br>n=18  | 25.23 (12.87, 53.13),<br>n=273  | 21.58 (12.12, 40.43),<br>n=582  |
| Total | 23.63 (11.57, 45.97),<br>n=17530 | 42.90 (29.62, 66.30),<br>n=515 | 31.77 (17.37, 58.57),<br>n=4332 | 27.48 (15.57, 48.92),<br>n=7397 |

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Table 134: Median and IQR time from induction to birth (hours) by gestational age

| Gestational age at induction | Confirmed inductions (population 2)Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1) Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2) Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)Median (IQR) |
|------------------------------|---|---|---|--|
| 37 weeks                     | 27.67 (13.02, 53.27), n=2297                    | 43.72 (30.95, 78.22), n=50  | 35.18 (17.64, 68.31), n=584   | 30.70 (16.32, 52.88), n=1056   |
| 38 weeks                     | 26.28 (12.40, 50.83), n=3548                    | 41.98 (27.93, 66.98), n=85  | 36.21 (19.12, 69.35), n=894   | 30.22 (16.50, 52.35), n=1547   |
| 39 weeks                     | 25.05 (11.82, 49.38), n=5221                    | 46.33 (33.22, 66.78), n=163   | 33.20 (18.27, 62.45), n=1267  | 28.24 (15.58, 53.28), n=2330   |
| 40 weeks                     | 20.40 (10.37, 40.07), n=3441                    | 40.45 (28.40, 67.87), n=81  | 28.37 (15.75, 50.85), n=826   | 24.72 (14.68, 43.70), n=1448   |
| 41 weeks                     | 21.03 (11.12, 39.03), n=2867                    | 38.48 (25.68, 59.82), n=129   | 26.78 (15.20, 46.82), n=753   | 24.91 (14.48, 40.58), n=980  |
| 42+ weeks                    | 13.09 (6.92, 23.35), n=156                      | 32.95 (27.20, 74.45), n=7   | 43.73 (15.91, 59.33), n=8   | 21.18 (13.77, 36.06), n=36   |
| Total                        | 23.63 (11.57, 45.97), n=17530                   | 42.90 (29.62, 66.30), n=515   | 31.77 (17.37, 58.57), n=4332  | 27.48 (15.57, 48.92), n=7397   |

Table 135: Median and IQR time from admission to birth (mins) for in hospital cervical ripening by site

| Hospital or NHS Trust  | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|--|---|--|
| NHS Borders  | 876.00 (475.00,<br>1416.0), n=133                      |  |   | 907.50 (526.00,<br>1283.0), n=30   |
| NHS Fife   | 1418.5 (711.50,<br>2484.5), n=756                      |  | 1731.0 (923.00,<br>2625.0), n=631   |  |
| NHS Grampian   | 884.00 (407.00,<br>1938.0), n=512                      |  |   | 2543.0 (1676.5,<br>3762.5), n=104  |
| NHS Highland   | 1505.0 (671.00,<br>2808.5), n=456                      |  |   | 2103.0 (1110.0,<br>3266.0), n=334  |
| NHS Lanarkshire  | 1192.0 (605.00,<br>2025.0), n=1035                     |  |   | 1500.0 (958.00,<br>2304.0), n=793  |
| NHS Tayside  | 679.50 (412.00,<br>1189.0), n=542                      |  |   | 1677.0 (888.00,<br>2791.0), n=81   |
| Ashford and St. Peter's Hospital<br>Maternity                | 1747.0 (872.00,<br>3131.0), n=715                      |  |   | 1926.5 (1065.0,<br>3220.0), n=586  |
| Birmingham Women's and<br>Children's NHS Foundation<br>Trust | 1391.0 (702.00, 3027.0)<br>n=2605                      |  |   | 1603.0 (818.00,<br>3297.0), n=2282   |
| Darlington Memorial Hospital                                 | 1055.0 (445.00,<br>2230.5), n=132                      |  |   | 1903.5 (1161.0,<br>3369.0), n=62   |



|   |                                |                                |                                |
|---|--------------------------------|--------------------------------|--------------------------------|
| University Hospital Of North Durham (Maternity) | 583.00 (377.00, 1015.5), n=112 |                                | 908.00 (744.00, 1649.0), n=5   |
| Dorset County Hospital                          | 929.00 (540.00, 1610.0), n=385 | 1225.0 (773.00, 2026.0), n=269 |                                |
| Epsom General (Maternity)                       | 951.00 (559.00, 1693.0), n=637 |                                | 1264.0 (838.00, 1804.0), n=165 |
| St Helier (Maternity)                           | 1187.5 (580.00, 2566.0), n=782 |                                | 1426.0 (852.00, 2322.0), n=309 |
| Hereford County Maternity                       | 1631.5 (820.00, 2950.0), n=574 |                                | 1915.0 (1041.0, 3202.0), n=495 |
| Princess Royal University Hospital              | 1897.5 (1278.0, 3527.0), n=142 | 1921.0 (1333.0, 3527.0), n=141 |                                |
| Denmark Hill Maternity                          | 1569.0 (860.00, 2799.0), n=151 |                                | 1976.0 (1076.5, 2944.0), n=116 |
| Royal Preston Hospital                          | 1262.5 (684.00, 2133.0) n=1034 |                                | 1380.0 (805.00, 2287.0), n=861 |
| Cumberland Infirmary (Maternity)                | 1084.0 (613.00, 1799.0), n=435 | 1441.0 (949.00, 2281.0), n=291 |                                |
| West Cumberland Hospital(Mat)                   | 903.00 (483.00, 1897.0), n=191 | 1948.0 (1185.0, 3967.0), n=66  |                                |
| Queen Elizabeth Hospital Gateshead (Maternity)  | 1119.0 (632.00, 1918.0), n=979 |                                | 1399.0 (851.00, 2125.0), n=743 |
| Warwick Hospital                                | 1588.0 (727.00, 3255.0), n=487 | 2059.0 (1148.0, 4007.0), n=352 |                                |

|  |                                     |                                    |                                    |
|--|-------------------------------------|------------------------------------|------------------------------------|
| Queen Elizabeth Maternity<br>Kings Lynn    | 1264.0 (594.00,<br>2981.0), n=547   |                                    | 1824.0 (885.00,<br>3667.5), n=392  |
| New Cross Maternity Hospital               | 1591.5 (746.50,<br>3166.0) n=1380   | 1823.0 (939.00,<br>3418.0), n=1215 |                                    |
| Manor Hospital Walsall                     | 1143.0 (626.00,<br>2079.0), n=223   | 1486.0 (785.00,<br>2240.0), n=183  |                                    |
| Worcestershire Royal Maternity<br>Hospital | 1552.0 (660.00,<br>3663.0) n=1555   | 2124.0 (1029.0,<br>4471.0), n=1085 |                                    |
| Total                                      | 1271.0 (629.00,<br>2520.0), n=16501 | 1756.0 (955.00,<br>3221.0), n=4233 | 1595.0 (889.00,<br>2820.0), n=7358 |

If no admission time is recorded, time of IOL is taken as admission time

Table 136: Median and IQR time from admission to birth (mins) for in hospital cervical ripening by parity

| Parit | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1) Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|-------|--|---|---|--|
| 0     | 1635.0 (870.00,<br>3005.0), n=8762                     |   | 2046.0 (1186.0,<br>3549.0), n=2407  | 1930.0 (1143.0,<br>3262.0), n=3949   |
| 1     | 912.00 (467.00,<br>1913.0), n=4413                     |   | 1398.0 (735.00,<br>2641.0), n=1099  | 1198.0 (699.00,<br>2164.0), n=1929   |
| 2     | 912.00 (455.00,<br>1916.5), n=2000                     |   | 1367.0 (698.00,<br>2663.0), n=457   | 1245.5 (726.00,<br>2283.0), n=902  |

|       |                                     |                                    |                                    |
|-------|-------------------------------------|------------------------------------|------------------------------------|
| 3+    | 900.50 (470.00,<br>1959.0), n=1326  | 1391.0 (725.00,<br>3055.0), n=270  | 1210.5 (708.00,<br>2231.0), n=578  |
| Total | 1271.0 (629.00,<br>2520.0), n=16501 | 1756.0 (955.00,<br>3221.0), n=4233 | 1595.0 (889.00,<br>2820.0), n=7358 |

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If no admission time is recorded, time of IOL is taken as admission time

Table 137: Median and IQR time from admission to birth (mins) for in hospital cervical ripening by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------------|--|--|---|--|
| 37 weeks                     | 1550.5 (746.50,<br>3030.5), n=2212                     |  | 2026.0 (1025.0,<br>3858.0), n=571   | 1758.0 (955.00,<br>3105.0), n=1051   |
| 38 weeks                     | 1410.0 (674.00,<br>2803.0), n=3389                     |  | 1924.5 (1027.0,<br>3561.0), n=878   | 1741.0 (948.00,<br>3028.0), n=1541   |
| 39 weeks                     | 1331.0 (641.00,<br>2640.0), n=4935                     |  | 1817.0 (989.50,<br>3313.5), n=1240  | 1615.0 (886.00,<br>2989.0), n=2315   |
| 40 weeks                     | 1127.0 (582.00,<br>2170.0), n=3261                     |  | 1582.0 (888.00,<br>2814.0), n=799   | 1440.5 (845.50,<br>2541.5), n=1436   |
| 41 weeks                     | 1095.0 (584.00,<br>2067.5), n=2560                     |  | 1560.0 (879.00,<br>2703.0), n=738   | 1436.0 (827.00,<br>2346.0), n=979  |
| 42+ weeks                    | 731.50 (406.00,<br>1186.0), n=144                      |  | 2589.0 (861.00,<br>3263.0), n=7   | 1197.5 (730.50,<br>2099.5), n=36   |
| Total                        | 1271.0 (629.00,<br>2520.0), n=16501                    |  | 1756.0 (955.00,<br>3221.0), n=4233  | 1595.0 (889.00,<br>2820.0), n=7358   |

If no admission time is recorded, time of IOL is taken as admission time

Table 138: Median and IQR time from admission to birth (mins) for in hospital cervical ripening by first induction method

| First induction method | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at home<br>balloon cervical ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------|--|--|---|--|
| Cervical Balloon       | 2232.0 (1422.0,<br>3256.0), n=689                      |  |   |  |
| Cervical Dilator       | 1696.0 (1308.0,<br>2466.0), n=38                       |  |   |  |
| Prostaglandins         | 1647.0 (913.00,<br>2952.0), n=11591                    |  | 1756.0 (955.00,<br>3221.0), n=4233  | 1595.0 (889.00,<br>2820.0), n=7358   |
| Non-ripening           | 457.00 (272.00,<br>751.00), n=3610                     |  |   |  |
| Missing                | 1368.0 (695.00,<br>2564.0), n=573                      |  |   |  |
| Total                  | 1271.0 (629.00,<br>2520.0), n=16501                    |  | 1756.0 (955.00,<br>3221.0), n=4233  | 1595.0 (889.00,<br>2820.0), n=7358   |

If no admission time is recorded, time of IOL is taken as admission time

Table 139: Median and IQR duration of discharge (mins) for at home cervical ripening by site

| Hospital or NHS Trust                                  | Confirmed inductions (population 2)Median (IQR) | Mixed hospital, at home balloon cervical ripening (cohort 1)Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2) Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3) Median (IQR) |
|--|---|--|---|---|
| NHS Borders  | 605.00 (495.00, 689.00), n=31                   | 605.00 (495.00, 675.00), n=29  |   |   |
| NHS Grampian   | 1321.0 (861.00, 2260.0), n=54                   | 1379.0 (861.00, 2208.0), n=49  |   |   |
| NHS Highland   | <5  |  |   |   |
| NHS Lanarkshire  | <5  | <5   |   |   |
| NHS Tayside  | 1557.0 (1165.0, 2177.5), n=20                   | 1444.0 (1090.0, 2585.0), n=19  |   |   |
| Ashford and St. Peter's Hospital Maternity             | 1346.0 (1110.0, 1590.0), n=5                    |  |   |   |
| Birmingham Women's and Children's NHS Foundation Trust | 1054.5 (502.00, 1694.5), n=16                   |  |   |   |
| Darlington Memorial Hospital                           | <5  | <5   |   |   |
| University Hospital Of North Durham (Maternity)        | 1185.5 (1102.0, 1347.0), n=6                    | 1185.5 (1102.0, 1347.0), n=6   |   |   |

|   |                                  |    |
|---|----------------------------------|----|
| Epsom General (Maternity)                         | 2520.0 (655.00,<br>2580.0), n=5  | <5 |
| St Helier (Maternity)                             | <5                               | <5 |
| Hereford County Maternity                         | <5                               |    |
| Denmark Hill Maternity                            | 626.00 (424.50,<br>1134.5), n=8  |    |
| Royal Preston Hospital                            | 745.00 (261.00,<br>1264.0), n=11 |    |
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | 832.00 (774.50,<br>923.00), n=12 |    |

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Table 140: Median and IQR duration of discharge (mins) for at home cervical ripening by site

| Hospital or NHS Trust                   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR) |
|---|--|---|---|---|
| Queen Elizabeth Maternity<br>Kings Lynn | <5   |   |   |   |
| Total                                   | 996.00 (623.00,<br>1535.0), n=181                      | 1043.5 (642.00,<br>1683.0), n=110   |   |   |

Not all patients appear to have had a discharge and readmission time during at home CR



Table 141: Median and IQR duration of discharge (mins) for at home cervical ripening by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening (cohort 3)<br>Median (IQR) |
|--------|--|---|---|--|
| 0      | 1027.5 (605.00,<br>1450.0), n=130                      | 1077.0 (623.00,<br>1695.0), n=82  |   |  |
| 1      | 845.00 (645.50,<br>1500.5), n=36                       | 728.00 (642.00,<br>1350.0), n=21  |   |  |
| 2      | 923.00 (563.00,<br>1589.0), n=10                       | <5  |   |  |
| 3+     | 3259.0 (2850.0,<br>3558.0), n=5                        | <5  |   |  |
| Total  | 996.00 (623.00,<br>1535.0), n=181                      | 1043.5 (642.00,<br>1683.0), n=110   |   |  |

Not all patients appear to have had a discharge and readmission time during at home CR

Table 142: Median and IQR duration of discharge (mins) for at home cervical ripening by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------------|--|---|---|---|
| 37 weeks                     | 1381.0 (563.00,<br>4155.0), n=11                       | 1485.0 (642.00,<br>4155.0), n=10  |   |   |
| 38 weeks                     | 882.00 (185.00,<br>1920.0), n=23                       | 1089.5 (132.00,<br>1920.0), n=14  |   |   |
| 39 weeks                     | 1207.5 (761.00,<br>2260.0), n=46                       | 1207.5 (749.00,<br>2091.0), n=34  |   |   |
| 40 weeks                     | 1099.5 (609.00,<br>1452.0), n=24                       | 1340.0 (605.00,<br>1670.0), n=15  |   |   |
| 41 weeks                     | 861.00 (515.00,<br>1264.0), n=75                       | 861.00 (630.00,<br>1214.0), n=35  |   |   |
| 42+ weeks                    | <5   | <5  |   |   |
| Total                        | 996.00 (623.00,<br>1535.0), n=181                      | 1043.5 (642.00,<br>1683.0), n=110   |   |   |

Not all patients appear to have had a discharge and readmission time during at home CR

Table 143: Median and IQR duration of discharge (mins) for at home cervical ripening by first induction method

| First induction method | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------|--|---|---|---|
| Cervical Balloon       | 1043.5 (642.00,<br>1683.0), n=110                      | 1043.5 (642.00,<br>1683.0), n=110   |   |   |
| Cervical Dilator       | 829.00 (750.00,<br>882.00), n=11                       |   |   |   |
| Prostaglandins         | 990.00 (541.00,<br>1350.0), n=53                       |   |   |   |
| Non-ripening           | <5   |   |   |   |
| Missing                | <5   |   |   |   |
| Total                  | 996.00 (623.00,<br>1535.0), n=181                      | 1043.5 (642.00,<br>1683.0), n=110   |   |   |

Not all patients appear to have had a discharge and readmission time during at home CR

Table 144: Median and IQR time from last admission to birth (mins) for at home cervical ripening by site

| Hospital or NHS Trust                                     | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>Ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR) |
|---|--|--|--|---|
| NHS Borders   | -998.0 (-1380, -661.0), n=31                           | -882.0 (-1325, -661.0), n=29   |  |   |
| NHS Grampian  | -742.0 (-1067, -488.0), n=240                          | -742.0 (-1065, -487.0), n=230  |  |   |
| NHS Highland  | <5   |  |  |   |
| NHS Lanarkshire   | -1059 (-2042, -632.0), n=8                             | -674.0 (-2143, -661.0), n=5  |  |   |
| NHS Tayside   | -857.5 (-1270, -548.0), n=204                          | -951.0 (-1321, -567.0), n=177  |  |   |
| Ashford and St. Peter's Hospital<br>Maternity             | -700.0 (-1488, -175.0), n=57                           |  |  |   |
| Birmingham Women's and<br>Children's NHS Foundation Trust | -1015 (-2146, -461.0),<br>n=29                         |  |  |   |
| Darlington Memorial Hospital                              | -1047 (-2010, -222.0),<br>n=7                          | -1047 (-2010, -222.0), n=7   |  |   |
| University Hospital Of North<br>Durham (Maternity)        | -568.0 (-959.0, -387.0), n=49                          | -590.0 (-978.0, -385.0), n=42  |  |   |

|  |                               |                               |
|--|-------------------------------|-------------------------------|
| Epsom General (Maternity)                      | -930.0 (-1136, -570.0), n=14  | <5                            |
| St Helier (Maternity)                          | -876.0 (-2102, -759.0), n=5   | <5                            |
| Hereford County Maternity                      | <5                            |                               |
| Denmark Hill Maternity                         | -1792 (-3806, -591.0), n=8    |                               |
| Royal Preston Hospital                         | -1241 (-1876, -916.0), n=13   |                               |
| Queen Elizabeth Hospital Gateshead (Maternity) | -1154 (-1515, -614.0), n=19   |                               |
| Queen Elizabeth Maternity KingsLynn            | -482.5 (-1093, -229.0), n=8   |                               |
| Total  | -796.0 (-1222, -481.0), n=695 | -802.0 (-1184, -510.0), n=493 |

Table 145: Median and IQR time from last admission to birth (mins) for at home cervical ripening by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR) |
|--------|--|--|---|---|
| 0      | -998.0 (-1336,<br>-623.0), n=443                       | -958.5 (-1252,<br>-653.0), n=326   |   |   |
| 1      | -540.0 (-893.0, -<br>362.0), n=161                     | -539.5 (-863.5,<br>-386.5), n=112  |   |   |
| 2      | -580.5 (-802.0, -<br>349.5), n=64                      | -624.0 (-842.0,<br>-441.0), n=37   |   |   |
| 3+     | -540.0 (-788.0, -<br>365.0), n=27                      | -519.5 (-839.0,<br>-394.0), n=18   |   |   |
| Total  | -796.0 (-1222,<br>-481.0), n=695                       | -802.0 (-1184,<br>-510.0), n=493   |   |   |

Table 146: Median and IQR time from last admission to birth (mins) for at home cervical ripening by gestational age at induction

| Gestational age at induction | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital<br>prostaglandin cervical<br>ripening<br>(cohort 3)<br>Median (IQR) |
|------------------------------|--|--|---|---|
| 37 weeks                     | -790.0 (-1248, -<br>461.0), n=50                       | -808.5 (-1327,<br>-461.0), n=46  |   |   |
| 38 weeks                     | -796.0 (-1252, -<br>515.0), n=106                      | -798.0 (-1241,<br>-478.0), n=83  |   |   |
| 39 weeks                     | -788.0 (-1204, -<br>523.0), n=197                      | -859.0 (-1204,<br>-547.0), n=161   |   |   |
| 40 weeks                     | -793.0 (-1142, -<br>435.5), n=96                       | -757.0 (-1128,<br>-491.0), n=75  |   |   |
| 41 weeks                     | -800.0 (-1240, -<br>382.5), n=240                      | -800.0 (-1125,<br>-530.0), n=122   |   |   |
| 42+ weeks                    | -768.0 (-1321, -<br>625.0), n=6                        | -768.0 (-1321,<br>-625.0), n=6   |   |   |
| Total                        | -796.0 (-1222, -<br>481.0), n=695                      | -802.0 (-1184,<br>-510.0), n=493   |   |   |

Table 147: Median and IQR time from birth to mother's first discharge (mins) by site

| Hospital or NHS Trust  | Confirmed induction<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|---|---|---|--|
| NHS Borders  | 1572.0 (1074.0,<br>2368.0), n=170                     | 1480.0 (1025.0,<br>2149.0), n=33  |   | 2048.5 (1353.0,<br>4140.0), n=30   |
| NHS Fife   | 1579.5 (789.00,<br>2544.0), n=756                     |   | 1622.0 (794.00,<br>2611.0), n=631   |  |
| NHS Grampian   | 2165.5 (1496.0,<br>3080.0), n=758                     | 2189.0 (1551.0,<br>3009.0), n=235   |   | 2378.5 (1813.0,<br>3999.5), n=104  |
| NHS Highland   | 2124.0 (1261.0,<br>3392.0), n=460                     |   |   | 2326.5 (1385.0,<br>3920.0), n=334  |
| NHS Lanarkshire  | 1771.0 (1255.0,<br>2558.0), n=1049                    | 2718.0 (1969.0,<br>3589.0), n=5   |   | 1773.0 (1294.0,<br>2542.0), n=793  |
| NHS Tayside  | 1842.0 (1191.0,<br>2910.0), n=751                     | 2014.0 (1354.5,<br>3175.0), n=180   |   | 2183.0 (1501.0,<br>3388.0), n=81   |
| Ashford and St. Peter's<br>HospitalMaternity                 | 2170.5 (1508.5,<br>3406.5), n=764                     |   |   | 2151.0 (1532.5,<br>3225.0), n=580  |
| Birmingham Women's and<br>Children's NHS Foundation<br>Trust | 2135.0 (1502.0,<br>3233.0), n=2650                    |   |   | 2135.5 (1508.0,<br>3212.0), n=2282   |



|   |                                 |                               |                                |
|---|---------------------------------|-------------------------------|--------------------------------|
| Darlington Memorial Hospital                    | 1768.0 (1166.0, 2644.0), n=143  | 1625.0 (724.00, 2394.0), n=11 | 2249.5 (1530.0, 3849.0), n=62  |
| University Hospital Of North Durham (Maternity) | 1444.0 (914.00, 2506.0), n=162  | 1509.0 (968.00, 2483.0), n=43 | 752.00 (477.00, 3931.0), n=5   |
| Dorset County Hospital                          | 1847.0 (1129.0, 2813.0), n=385  |                               | 1948.0 (1184.0, 2914.0), n=269 |
| Epsom General (Maternity)                       | 1949.0 (1294.0, 3008.0), n=653  | <5                            | 1721.0 (1250.0, 2817.0), n=165 |
| St Helier (Maternity)                           | 2110.0 (1407.0, 3585.0), n=790  | <5                            | 1950.0 (1297.0, 3261.0), n=309 |
| Hereford County Maternity                       | 1749.5 (990.00, 2634.0), n=582  |                               | 1766.0 (990.00, 2657.0), n=493 |
| Princess Royal University Hospital              | 2334.5 (1622.0, 4167.0), n=142  |                               | 2339.0 (1622.0, 4167.0), n=141 |
| Denmark Hill Maternity                          | 2304.0 (1433.0, 3664.0), n=159  |                               | 2346.5 (1600.0, 3660.5), n=116 |
| Chorley and South Ribble Hospital               | 1610.0 (1610.0, 1610.0), n=1    |                               |                                |
| Royal Preston Hospital                          | 2063.0 (1356.5, 3353.0), n=1068 |                               | 2089.0 (1373.0, 3351.0), n=861 |
| Cumberland Infirmary (Maternity)                | 1668.0 (892.00, 2529.0), n=435  |                               | 1656.0 (898.00, 2454.0), n=291 |
| West Cumberland Hospital (Mat)                  | 1586.0 (872.00, 2551.0), n=189  |                               | 1892.5 (1104.0, 2821.0), n=64  |

|   |                                    |                                   |                                    |                                    |
|---|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| Queen Elizabeth Hospital<br>Gateshead (Maternity) | 1739.0 (1192.0,<br>2518.0), n=1009 |                                   |                                    | 1766.0 (1255.0,<br>2511.0), n=743  |
| Warwick Hospital                                  | 1733.0 (1131.0,<br>2608.0), n=485  |                                   | 1718.0 (1152.0,<br>2559.0), n=350  |                                    |
| Queen Elizabeth Maternity<br>Kings Lynn           | 1998.0 (1227.5,<br>3081.5), n=556  |                                   |                                    | 2083.5 (1441.5,<br>3215.5), n=392  |
| New Cross Maternity Hospital                      | 1719.0 (985.00,<br>2519.0), n=1378 |                                   | 1746.0 (1006.0,<br>2542.0), n=1213 |                                    |
| Manor Hospital Walsall                            | 1625.0 (982.00,<br>2523.0), n=223  |                                   | 1680.0 (1060.0,<br>2614.0), n=183  |                                    |
| Worcestershire Royal Maternity<br>Hospital        | 1541.0 (983.00,<br>2239.0), n=1551 |                                   | 1585.0 (1023.0,<br>2330.0), n=1083 |                                    |
| Total   | 1875.0 (1207.0,<br>867.0), n=17269 | 2074.5 (1356.0,<br>2959.0), n=514 | 1691.0 (1015.0,<br>2554.0), n=4225 | 2026.0 (1401.0,<br>3071.0), n=7350 |

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Table 148: Median and IQR time from induction to birth to mother's first discharge (mins) by parity

| Parity | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--------|--|--|---|--|
| 0      | 2238.0 (1585.0,<br>3369.0), n=9251                     | 2280.0 (1650.0,<br>3218.0), n=338  | 2015.0 (1414.0,<br>2930.0), n=2402  | 2358.0 (1670.0,<br>3551.0), n=3944   |
| 1      | 1461.0 (898.00,<br>2162.0), n=4592                     | 1490.5 (960.00,<br>2163.0), n=118  | 1259.5 (771.00,<br>2006.0), n=1098  | 1611.5 (1055.0,<br>2337.0), n=1928   |
| 2      | 1462.5 (905.00,<br>2279.0), n=2070                     | 1453.0 (920.00,<br>2270.5), n=40   | 1252.5 (782.00,<br>2068.0), n=456   | 1649.0 (1081.5,<br>2487.0), n=900  |
| 3+     | 1459.5 (882.50,<br>2398.5), n=1356                     | 2700.0 (1388.0,<br>3822.0), n=18   | 1224.0 (778.00,<br>2129.0), n=269   | 1723.0 (1050.0,<br>2616.0), n=578  |
| Total  | 1875.0 (1207.0,<br>2867.0), n=17269                    | 2074.5 (1356.0,<br>2959.0), n=514  | 1691.0 (1015.0,<br>2554.0), n=4225  | 2026.0 (1401.0,<br>3071.0), n=7350   |

Table 149: Median and IQR time from birth to mother's first discharge (mins) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|--|---|--|
| In-hospital cervical ripening<br>only            | 1648.5 (979.00,<br>2505.0), n=5544                     |  | 1691.0 (1015.0,<br>2554.0), n=4225  |  |
| Home cervical ripening                           | 1999.0 (1285.0,<br>2936.0), n=785                      | 2074.5 (1356.0,<br>2959.0), n=514  |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 1989.0 (1333.0,<br>3058.0), n=10939                    |  |   | 2026.0 (1401.0,<br>3071.0), n=7350   |
| Unable to determine                              | 1829.0 (1829.0,<br>1829.0), n=1                        |  |   |  |
| Total  | 1875.0 (1207.0,<br>2867.0), n=17269                    | 2074.5 (1356.0,<br>2959.0), n=514  | 1691.0 (1015.0,<br>2554.0), n=4225  | 2026.0 (1401.0,<br>3071.0), n=7350   |

Table 150: Median and IQR time from admission/IOL to mother's first post-birth discharge (mins) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|--|---|--|
| In-hospital cervical ripening<br>only            | 3312.5 (2144.0,<br>5541.0), n=5544                     |  | 3990.0 (2570.0,<br>5824.0), n=4225  |  |
| Home cervical ripening                           | 3150.0 (2023.0,<br>4514.0), n=687                      | 3170.0 (2079.0,<br>4477.0), n=493  |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 3618.0 (2431.0,<br>5585.0), n=10939                    |  |   | 4110.0 (2765.0,<br>5864.0), n=7350   |
| Unable to determine                              | <5   |  |   |  |
| Total  | 3470.0 (2346.0,<br>5551.0), n=17171                    | 3170.0 (2079.0,<br>4477.0), n=493  | 3990.0 (2570.0,<br>5824.0), n=4225  | 4110.0 (2765.0,<br>5864.0), n=7350   |

Total time from admission to disch, not excluding discharge home time

Table 151: Type of delivery, confirmed inductions

| Parity | N (%)   |              |              |                      |           |
|--------|---------|--------------|--------------|----------------------|-----------|
|        | Breech  | CS           | Forceps      | Spontaneous cephalic | Ventouse  |
| 0      | <5      | 3,660 (39.0) | 1,620 (17.2) | 3,378 (36.0)         | 736 (7.8) |
| 1      | 5 (0.1) | 439 (9.4)    | 192 (4.1)    | 3,864 (83.0)         | 158 (3.4) |
| 2      |         | 194 (9.2)    | 43 (2.0)     | 1,816 (86.5)         | 46 (2.2)  |
| 3+     | <5      | 140 (10.2)   | 21 (1.5)     | 1,187 (86.1)         | 28 (2.0)  |
| Total  | 8 (0.0) | 4,433 (25.3) | 1,876 (10.7) | 10,245 (58.4)        | 968 (5.5) |

Table 152: Type of delivery, cohort 1 (home, balloon)

| Parity | N (%)      |           |                      |          |
|--------|------------|-----------|----------------------|----------|
|        | CS         | Forceps   | Spontaneous cephalic | Ventouse |
| 0      | 154 (45.4) | 64 (18.9) | 115 (33.9)           | 6 (1.8)  |
| 1      | 15 (12.7)  | 8 (6.8)   | 94 (79.7)            | 1 (0.8)  |
| 2      | 4 (10.0)   | <5        | 34 (85.0)            |          |
| 3+     | <5         |           | 16 (88.9)            |          |
| Total  | <5)        | <5        | 259 (50.3)           | 7 (1.4)  |

Table 153: Type of delivery, cohort 2 (in-hospital, prostaglandins)

| Parity | N (%)        |            |                      |           |
|--------|--------------|------------|----------------------|-----------|
|        | CS           | Forceps    | Spontaneous cephalic | Ventouse  |
| 0      | 965 (39.1)   | 356 (14.4) | 947 (38.4)           | 197 (8.0) |
| 1      | 119 (10.5)   | 29 (2.6)   | 946 (83.6)           | 37 (3.3)  |
| 2      | 53 (11.4)    | 6 (1.3)    | 394 (85.1)           | 10 (2.2)  |
| 3+     | 37 (13.6)    | <5         | 222 (81.3)           | 10 (3.7)  |
| Total  | 1,174 (27.1) | 395 (9.1)  | 2,509 (57.9)         | 254 (5.9) |



Table 154. Type of delivery, cohort 3 (mixed hospital, in-hospital prostaglandins)

| Parity | N (%)   |              |            |                      |           |
|--------|---------|--------------|------------|----------------------|-----------|
|        | Breech  | CS           | Forceps    | Spontaneous cephalic | Ventouse  |
| 0      | <5      | 1,627 (41.0) | 681 (17.1) | 1,336 (33.6)         | 328 (8.3) |
| 1      | <5      | 212 (11.0)   | 89 (4.6)   | 1,558 (80.5)         | 73 (3.8)  |
| 2      |         | 95 (10.5)    | 27 (3.0)   | 762 (84.1)           | 22 (2.4)  |
| 3+     | <5      | 61 (10.5)    | 11 (1.9)   | 495 (85.1)           | 13 (2.2)  |
| Total  | 7 (0.1) | 1,995 (27.0) | 808 (10.9) | 4,151 (56.1)         | 436 (5.9) |

Table 155. Type of delivery, confirmed inductions

| Gestational age | N (%)   |              |              |                      |           |
|-----------------|---------|--------------|--------------|----------------------|-----------|
|                 | Breech  | CS           | Forceps      | Spontaneous cephalic | Ventouse  |
| 37 weeks        | <5      | 516 (22.5)   | 167 (7.3)    | 1,511 (65.8)         | 101 (4.4) |
| 38 weeks        | <5      | 817 (23.0)   | 297 (8.4)    | 2,264 (63.8)         | 169 (4.8) |
| 39 weeks        | <5      | 1,191 (22.8) | 567 (10.9)   | 3,175 (60.8)         | 285 (5.5) |
| 40 weeks        | <5      | 922 (26.8)   | 418 (12.1)   | 1,868 (54.3)         | 231 (6.7) |
| 41 weeks        |         | 928 (32.4)   | 410 (14.3)   | 1,352 (47.2)         | 177 (6.2) |
| 42+ weeks       |         | 59 (37.8)    | 17 (10.9)    | 75 (48.1)            | 5 (3.2)   |
| Total           | 8 (0.0) | 4,433 (25.3) | 1,876 (10.7) | 10,245 (58.4)        | 968 (5.5) |

Table 156. Type of delivery, cohort 1 (home, balloon)

| Gestational age | N (%)     |           |                      |          |
|-----------------|-----------|-----------|----------------------|----------|
|                 | CS        | Forceps   | Spontaneous cephalic | Ventouse |
| 37 weeks        | 12 (24.0) | 6 (12.0)  | 32 (64.0)            |          |
| 38 weeks        | 23 (27.1) | 12 (14.1) | 49 (57.6)            | <5       |
| 39 weeks        | 54 (33.1) | 29 (17.8) | 79 (48.5)            | <5       |
| 40 weeks        | 27 (33.3) | 9 (11.1)  | 42 (51.9)            | <5       |
| 41 weeks        | 57 (44.2) | 18 (14.0) | 52 (40.3)            | <5       |
| 42+ weeks       | <5        |           | 5 (71.4)             |          |
| Total           |           | 74 (14.4) | 259 (50.3)           | 7 (1.4)  |

Table 157. Type of delivery, cohort 2 (in-hospital, prostaglandins)

| Gestational age | N (%)      |           |                      |           |
|-----------------|------------|-----------|----------------------|-----------|
|                 | CS         | Forceps   | Spontaneous cephalic | Ventouse  |
| 37 weeks        | 150 (25.7) | 30 (5.1)  | 381 (65.2)           | 23 (3.9)  |
| 38 weeks        | 231 (25.8) | 67 (7.5)  | 547 (61.2)           | 49 (5.5)  |
| 39 weeks        | 326 (25.7) | 123 (9.7) | 741 (58.5)           | 77 (6.1)  |
| 40 weeks        | 222 (26.9) | 81 (9.8)  | 472 (57.1)           | 51 (6.2)  |
| 41 weeks        | 241 (32.0) | 94 (12.5) | 364 (48.3)           | 54 (7.2)  |
| 42+ weeks       | <5         |           | <5                   |           |
| Total           |            | 395 (9.1) |                      | 254 (5.9) |

Table 158. Type of delivery, cohort 3 (mixed hospital, in-hospital prostaglandins)

| Gestational age | N (%)   |              |            |                      |           |
|-----------------|---------|--------------|------------|----------------------|-----------|
|                 | Breech  | CS           | Forceps    | Spontaneous cephalic | Ventouse  |
| 37 weeks        | <5      | 258 (24.4)   | 78 (7.4)   | 665 (63.0)           | 54 (5.1)  |
| 38 weeks        | <5      | 397 (25.7)   | 127 (8.2)  | 944 (61.0)           | 78 (5.0)  |
| 39 weeks        | <5      | 569 (24.4)   | 257 (11.0) | 1,365 (58.6)         | 136 (5.8) |
| 40 weeks        | <5      | 430 (29.7)   | 188 (13.0) | 728 (50.3)           | 100 (6.9) |
| 41 weeks        |         | 323 (33.0)   | 153 (15.6) | 439 (44.8)           | 65 (6.6)  |
| 42+ weeks       |         | 18 (50.0)    | 5 (13.9)   | 10 (27.8)            | <5        |
| Total           | 7 (0.1) | 1,995 (27.0) | 808 (10.9) | 4,151 (56.1)         |           |

Table 159. Type of delivery, confirmed inductions

| IOL type                                      | N (%)   |              |              |                      |           |
|---|---------|--------------|--------------|----------------------|-----------|
|   | Breech  | CS           | Forceps      | Spontaneous cephalic | Ventouse  |
| In-hospital cervical ripening only            |         | 1,390 (24.5) | 525 (9.2)    | 3,437 (60.5)         | 332 (5.8) |
| Home cervical ripening                        |         | 240 (30.0)   | 106 (13.2)   | 434 (54.2)           | 21 (2.6)  |
| In-hospital cervical ripening, mixed hospital | 8 (0.1) | 2,793 (25.4) | 1,239 (11.3) | 6,346 (57.7)         | 609 (5.5) |
| Unable to determine                           |         | 10 (20.0)    | 6 (12.0)     | 28 (56.0)            | 6 (12.0)  |
| Total   | 8 (0.0) | 4,433 (25.3) | 1,876 (10.7) | 10,245 (58.4)        | 968 (5.5) |

Table 160. Percentage of vaginal births by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>N (%) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1) n/N (%) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2) n/N (%) | Mixed hospital, in-<br>hospital<br>prostaglandin<br>cervical ripening<br>(cohort 3) n/N (%) |
|--|---|--|---|---|
| In-hospital cervical ripening<br>only            | 4,294/5,684 (75.55%)                            |  | 3,158/4,332 (72.90%)  |   |
| Home cervical ripening                           | 561/801 (70.04%)                                | 340/515 (66.02%)   |   |   |
| In-hospital cervical ripening,<br>mixed hospital | 8,202/10,995<br>(74.60%)                        |  |   | 5,402/7,397 (73.03%)  |
| Unable to determine                              | 40/50 (80.00%)                                  |  |   |   |
| Total  | 13,097/17,530<br>(74.71%)                       | 340/515 (66.02%)   | 3,158/4,332 (72.90%)  | 5,402/7,397 (73.03%)  |

Table 161: Median and IQR length of first NNU admission (mins) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|--|---|--|
| In-hospital cervical ripening<br>only            | 3241.0 (2175.0,<br>6591.0), n=455                      |  | 3355.0 (2220.0,<br>6665.0), n=369   |  |
| Home cervical ripening                           | 2832.5 (1334.0,<br>6670.0), n=70                       | 2429.5 (1121.0,<br>6506.0), n=40   |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 3031.0 (2142.0,<br>6270.0), n=1577                     |  |   | 3117.5 (2194.0,<br>6390.5), n=1048   |
| Unable to determine                              | 2340.0 (1370.0,<br>3058.5), n=8                        |  |   |  |
| Total  | 3067.5 (2140.0,<br>6341.0), n=2110                     | 2429.5 (1121.0,<br>6506.0), n=40   | 3355.0 (2220.0,<br>6665.0), n=369   | 3117.5 (2194.0,<br>6390.5), n=1048   |

13 discharges with no time stamp



Table 162: Median and IQR total time spent in NNU (mins) by IOL setting

| IOL type   | Confirmed inductions<br>(population 2)<br>Median (IQR) | Mixed hospital, at<br>home balloon<br>cervical<br>ripening<br>(cohort 1)<br>Median (IQR) | In hospital only,<br>prostaglandin cervical<br>ripening<br>(cohort 2)<br>Median (IQR) | Mixed hospital, in-<br>hospital prostaglandin<br>cervical ripening<br>(cohort 3)<br>Median (IQR) |
|--|--|--|---|--|
| In-hospital cervical ripening<br>only            | 3569.0 (2358.0,<br>6776.0), n=455                      |  | 3649.0 (2387.0,<br>6776.0), n=369   |  |
| Home cervical ripening                           | 3400.0 (1528.0,<br>6960.0), n=70                       | 2832.5 (1301.5,<br>7102.5), n=40   |   |  |
| In-hospital cervical ripening,<br>mixed hospital | 3238.0 (2268.0,<br>6470.0), n=1577                     |  |   | 3350.0 (2310.0,<br>6555.0), n=1048   |
| Unable to determine                              | 2616.5 (1998.5,<br>3848.5), n=8                        |  |   |  |
| Total  | 3320.5 (2268.0,<br>6555.0), n=2110                     | 2832.5 (1301.5,<br>7102.5), n=40   | 3649.0 (2387.0,<br>6776.0), n=369   | 3350.0 (2310.0,<br>6555.0), n=1048   |

13 discharges with no time stamp

Table 163: Median and IQR NNU admission (days) by IOL setting

| IOL type                                      | Confirmed Inductions (population 2)<br>Median (IQR) | Mixed hospital, at home balloon cervical Ripening (cohort 1)<br>Median (IQR) | In hospital only, prostaglandin cervical ripening (cohort 2)<br>Median (IQR) | Mixed hospital, in-hospital prostaglandin cervical ripening (cohort 3)<br>Median (IQR) |
|---|---|--|--|--|
| In-hospital cervical ripening only            | 1.00 (0.00, 3.00), n=458                            |  | 1.00 (0.00, 3.00), n=371   |  |
| Home cervical ripening                        | 2.00 (0.00, 4.00), n=70                             | 2.00 (1.00, 4.50), n=40  |  |  |
| In-hospital cervical ripening, mixed hospital | 0.00 (0.00, 2.00), n=1580                           |  |  | 0.00 (0.00, 2.00), n=1049  |
| Unable to determine                           | 0.00 (0.00, 1.00), n=8                              |  |  |  |
| Total   | 0.00 (0.00, 2.00), n=2116                           | 2.00 (1.00, 4.50), n=40  | 1.00 (0.00, 3.00), n=371   | 0.00 (0.00, 2.00), n=1049  |

Don't know which, if any, of these are NICU

Table 164: Percentage of early neonatal deaths (<7 days) by IOL setting

| IOL type                                      | Confirmed inductions<br>(population 2)N (%) |
|---|---|
| In-hospital cervical ripening only            | <5  |
| Home cervical ripening                        | <5  |
| In-hospital cervical ripening, mixed hospital | 5/10,995 (0.05%)                            |
| Unable to determine                           | <5  |
| Total   | 10/17,530 (0.06%)                           |

