

| No.      | Resources of participating hospitals                                 | All hospitals  | n    |
|----------|--|--|------|
| 408      | Grade of histologic CAM (among infants with positive histologic CAM) | <p>1: I 23%<br/>2: II 38%<br/>3: III 40%</p>                           | 759  |
| <b>C</b> | <b>Delivery status</b>   |  |      |
| 501      | PROM   | <p>1: Yes 27%<br/>2: No 66%<br/>3: not available 7%</p>                | 3589 |
| 502      | Maternal steroid   | <p>1: Yes 47%<br/>2: No 45%<br/>3: not available 8%</p>                | 3589 |
| 503      | NRFS   | <p>1: Yes 23%<br/>2: No 64%<br/>3: not available 13%</p>               | 3589 |
| 504      | Presentation   | <p>1: Head 60%<br/>2: other than head 27%<br/>3: not available 14%</p> | 3589 |

| No. | Resources of participating hospitals                | All hospitals   | n    |
|-----|---|---|------|
| 402 | Birth order (among infants with number of fetus 2>) | <p>1: 1 44%<br/>2: 2 50%<br/>3: 3 6%<br/>4: 4 0%</p>                              | 810  |
| 403 | Plurality (among infants with number of fetus 2>)   | <p>1: monochorionic 44%<br/>2: multiple chorionic 50%<br/>3: not available 6%</p> | 810  |
| 404 | Diabetes  | <p>1: Yes 2%<br/>2: No 87%<br/>3: not available 11%</p>                           | 3589 |
| 405 | Pregnancy induced hypertension                      | <p>1: Yes 18%<br/>2: No 73%<br/>3: not available 9%</p>                           | 3589 |
| 406 | Clinical CAM  | <p>1: Yes 14%<br/>2: No 69%<br/>3: not available 17%</p>                          | 3589 |
| 407 | Histologic CAM                                      | <p>1: Yes 22%<br/>2: No 43%<br/>3: not available 35%</p>                          | 3589 |

Analysis results on infants born in 2009

I-4/16

| No. | Resources of participating hospitals | All hospitals  | n    |
|-----|--------------------------------------|--|------|
| 505 | Mode of delivery                     | <p>1: Vaginal 28%<br/>2: Vaginal with manipulation 0%<br/>3: C/S 72%</p> | 3589 |
| 510 | Cord blood transfusion               | <p>1: Yes 15%<br/>2: No 50%<br/>3: not available 35%</p>                 | 3589 |
| D   | <b>Neonatal information</b>          |  |      |
| 602 | Age(day) at admission                | <p>1: 0 97%<br/>2: 1 1%<br/>3: 2 0%<br/>4: &gt;3 1%</p>                  | 3589 |
| 603 | Gender                               | <p>1: Male 52%<br/>2: Female 48%<br/>3: not available 0%</p>             | 3589 |
| 604 | Neonatal transport                   | <p>1: Yes 8%<br/>2: No 92%</p>   | 3589 |

Analysis results on infants born in 2009

I-5/16

| No. | Resources of participating hospitals           | All hospitals   | n    |
|-----|--|---|------|
| 605 | Maternal transport (among infants with inborn) | <p>1: Elective 30%<br/>2: Emergency 55%<br/>3: Booked 15%</p> | 3296 |
| 606 | Gestational age (mean)                         | 28.9  | 3586 |
|     | SD   | 3.3   |      |
|     | 95% confidence interval                        | 28.8-29.0   |      |
| 608 | Apgar(1min) (median)                           | 6.0   | 3460 |
|     | lower quartile                                 | 3.8   |      |
|     | upper quartile                                 | 8.0   |      |
| 609 | Apgar(5min) (median)                           | 8.0   | 3431 |
|     | lower quartile                                 | 6.0   |      |
|     | upper quartile                                 | 9.0   |      |
| 610 | Oxygen use at birth                            | <p>1: Yes 79%<br/>2: No 7%<br/>3: not available 14%</p>       | 3589 |
| 611 | Intubation at birth                            | <p>1: Yes 50%<br/>2: No 38%<br/>3: not available 11%</p>      | 3589 |

| Analysis results on infants born in 2009 |  | I-7/16         |      |                         |
|--|--|----------------|------|-------------------------|
| No.                                      | Resources of participating hospitals   | All hospitals  | n    |                         |
| 703                                      | Pulmonary hemorrhage (among infants with live birth and remained)                      |                | 3574 |                         |
|  |  |                |      | 1: Yes 3%<br>2: No 97%  |
| 705                                      | PPHN (among infants with live birth and remained)                                      |                | 3574 |                         |
|  |  |                |      | 1: Yes 5%<br>2: No 95%  |
| 706                                      | Length of oxygen use (median) (among infants with live birth and remained)             | 17.0           | 3523 |                         |
|  |  | lower quartile |      | 2.0                     |
|  |  | upper quartile |      | 56.0                    |
| 707                                      | Length of CPAP (median) (among infants with live birth and remained)                   | 4.0            | 3574 |                         |
|  |  | lower quartile |      | 0.0                     |
|  |  | upper quartile |      | 25.0                    |
| 708                                      | Length of mechanical ventilation (median) (among infants with live birth and remained) | 5.0            | 3574 |                         |
|  |  | lower quartile |      | 0.0                     |
|  |  | upper quartile |      | 31.0                    |
| 709                                      | Use of HFO (among infants with live birth, remained and mechanical ventilation)        |                | 2404 |                         |
|  |  |                |      | 1: Yes 44%<br>2: No 56% |

| Analysis results on infants born in 2009 |  | I-6/16                  |      |                         |
|--|--|-------------------------|------|-------------------------|
| No.                                      | Resources of participating hospitals                           | All hospitals           | n    |                         |
| 612                                      | Birth weight (mean)  | 1026.3                  | 3589 |                         |
|  |  | SD                      |      | 307.0                   |
|  |  | 95% confidence interval |      | 1016.2-1036.3           |
| 613                                      | Body length at birth (mean)                                    | 35.7                    | 3266 |                         |
|  |  | SD                      |      | 23.4                    |
|  |  | 95% confidence interval |      | 34.9-36.5               |
| 614                                      | Head circumference at birth (mean)                             | 26.5                    | 3239 |                         |
|  |  | SD                      |      | 49.5                    |
|  |  | 95% confidence interval |      | 24.8-28.2               |
| 615                                      | Live birth   |                         | 3589 |                         |
|  |  |                         |      | 1: Yes 100%<br>2: No 0% |
| <b>Respiratory disease</b>               |  |                         |      |                         |
| 701                                      | RDS (among infants with live birth and remained)               |                         | 3574 |                         |
|  |  |                         |      | 1: Yes 54%<br>2: No 46% |
| 702                                      | Air leak syndrome (among infants with live birth and remained) |                         | 3574 |                         |
|  |  |                         |      | 1: Yes 3%<br>2: No 97%  |

Analysis results on infants born in 2009

I-8/16

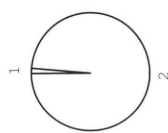
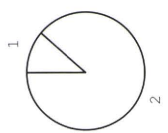
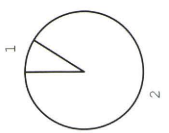
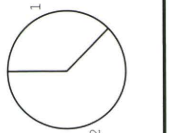
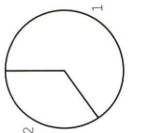
| No. | Resources of participating hospitals   | All hospitals   | n    |
|-----|--|---|------|
| 710 | Dose of surfactant (among infants with live birth and remained)                                | <p>1:0 44%<br/>2:1 45%<br/>3:2 8%<br/>4:3&gt; 3%</p>  | 3574 |
| 711 | Length of inhaled nitric oxide (among infants with live birth and remained)                    | <p>1:0 97%<br/>2:1 1%<br/>3:2 1%<br/>4:3&gt; 2%</p>   | 3574 |
| 712 | CLD at 28 d (among infants with live birth, remained and alive at 28 days of age)              | <p>1:Yes 35%<br/>2:No 65%</p>   | 3218 |
| 713 | Type of CLD (among infants with CLD)   | <p>1:I 28%<br/>2:II 34%<br/>3:III 14%<br/>4:III* 12%<br/>5:IV 3%<br/>6:V 4%<br/>7:VI 5%</p> | 1077 |
| 714 | Glucocorticoid for CLD (among infants with CLD)  | <p>1:Yes 36%<br/>2:No 64%</p>   | 1126 |
| 715 | CLD at 36 wk (among infants with live birth, remained, alive at 36 wk(corrected age), and CLD) | <p>1:Yes 56%<br/>2:No 44%</p>   | 1043 |

Analysis results on infants born in 2009

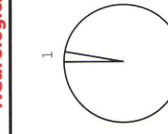
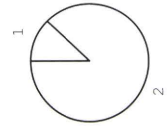
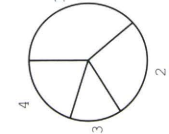
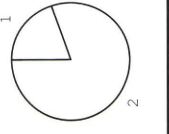
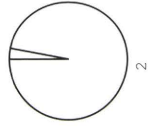
I-9/16

| No.                        | Resources of participating hospitals  | All hospitals                                | n    |
|----------------------------|---|--|------|
| 716                        | Oxygen concentration at 36 wk (median) (among infants with CLD at 36 wk)                    | 25.0   | 582  |
|                            | lower quartile  | 23.0   |      |
|                            | upper quartile  | 26.0   |      |
| <b>Circulatory problem</b> |   |  |      |
| 801                        | PDA with symptom (among infants with live birth and remained)                               | <p>1 35%<br/>2 65%</p>                       | 3574 |
| 802                        | Indomethacin for PDA (among infants with live birth and remained)                           | <p>1 33%<br/>2 60%<br/>3:prophylactic 7%</p> | 3574 |
| 803                        | Surgical ligation for PDA (among infants with symptomatic PDA)                              | <p>1 19%<br/>2 81%</p>                       | 1246 |
| 851                        | Late onset adrenal insufficiency (among infants with live birth, remained and alive at 7 d) | <p>1 9%<br/>2 91%</p>                        | 3421 |

Analysis results on infants born in 2009 I-11/16

| No.              | Resources of participating hospitals                                    | All hospitals   | n    |
|------------------|---|---|------|
| 906              | HIE (among infants with live birth and remained)                        |    | 3574 |
| <b>Infection</b> |   |   |      |
| 1001             | Intrauterine infection (among infants with live birth and remained)     |    | 3574 |
| 1002             | Sepsis (among infants with live birth and remained)                     |    | 3574 |
| 1004             | Early onset sepsis (among infants with live birth, remained and sepsis) |   | 275  |
| 1010             | Use of antibiotics (among infants with live birth and remained)         |  | 3574 |

Analysis results on infants born in 2009 I-10/16

| No.                         | Resources of participating hospitals                                     | All hospitals   | n    |
|-----------------------------|--|---|------|
| <b>Neurological problem</b> |  |   |      |
| 901                         | Seizure (among infants with live birth and remained)                     |    | 3574 |
| 902                         | Intraventricular hemorrhage (among infants with live birth and remained) |    | 3574 |
| 903                         | Grade of IVH (among infants with live birth, remained and IVH)           |    | 424  |
| 904                         | Post IVH hydrocephalus (among infants with live birth, remained and IVH) |   | 393  |
| 905                         | PVL (among infants with live birth and remained)                         |  | 3574 |

Analysis results on infants born in 2009

I-12/16

| Resources of participating hospitals |  | All hospitals |  | n    |
|--------------------------------------|--|---------------|--|------|
| No.                                  |  |               |  |      |
| <b>I</b>                             |  |               |  |      |
| <b>Gastrointestinal problem</b>      |  |               |  |      |
| 1101                                 | Intravenous hyperalimentation (among infants with live birth and remained)     |               | 1: Yes<br>2: No  | 3574 |
| 1102                                 | NEC (among infants with live birth and remained)                               |               | 1: Yes<br>2: No  | 3574 |
| 1103                                 | Idiopathic intestinal perforation (among infants with live birth and remained) |               | 1: Yes<br>2: No  | 3574 |
| <b>J</b>                             |  |               |  |      |
| <b>Hearing screening</b>             |  |               |  |      |
| 1201                                 | Hearing loss screening (among infants with live birth and remained)            |               | 1: Pass<br>2: Refer<br>3: not done   | 3574 |
| <b>K</b>                             |  |               |  |      |
| <b>Retinopathy of prematurity</b>    |  |               |  |      |
| 1301                                 | ROP(worst stage) (among infants with live birth and remained)                  |               | 1: <III<br>2: III (early)<br>3: III (intermediate)<br>4: III (late)<br>5: not done | 3574 |

Analysis results on infants born in 2009

I-13/16

| Resources of participating hospitals |   | All hospitals  |                 | n    |
|--------------------------------------|---|--|-----------------|------|
| No.                                  |   |  |                 |      |
| 1302                                 | Treatment for ROP (among infants with live birth and remained)                                    |  | 1: Yes<br>2: No | 3574 |
| <b>L</b>                             |   |  |                 |      |
| <b>Diagnosis</b>                     |   |  |                 |      |
| 1411                                 | Congenital anomaly  |  | 1: Yes<br>2: No | 3589 |
| 1412                                 | Diagnosis of congenital anomaly (among infants with congenital anomaly)                           | 502 30Number<br>503 12Number<br>303 11Number<br>999 9Number<br>203 8Number |                 | 207  |
| 1413                                 | Operation for congenital anomaly (among infants with live birth, remained and congenital anomaly) |  | 1: Yes<br>2: No | 223  |
| <b>M</b>                             |   |  |                 |      |
| <b>Summary</b>                       |   |  |                 |      |
| 1501                                 | Age at enteral feeding exceed 100ml/Kg (median) (among infants with live birth and remained)      | 12.0   |                 | 2834 |
|                                      | lower quartile  | 8.0  |                 |      |
|                                      | upper quartile  | 17.0   |                 |      |

Analysis results on infants born in 2009 I-15/16

| No.  | Resources of participating hospitals   | All hospitals | n    |
|------|--|---------------|------|
| 1604 | Cause of death (among infants with live birth, remained and dead at discharge)             |               | 199  |
| 1605 | Discharge home (among infants with live birth, remained and alive at discharge)            |               | 3098 |
| 1606 | Disposition (among infants with live birth, remained, alive at discharge, and transferred) |               | 417  |
| 1607 | HOT (among infants with live birth, remained and alive at discharge)                       |               | 3313 |
| 1608 | Tracheostomy (among infants with live birth and alive at discharge)                        |               | 3313 |
| 1609 | Body weight at discharge (mean) (among infants with alive at discharge)                    | 2629.1        | 3320 |
|      | SD   | 947.7         |      |
|      | 95% confidence interval  | 2596.8-2661.3 |      |

Analysis results on infants born in 2009 I-14/16

| No.   | Resources of participating hospitals                                    | All hospitals | n    |
|-------|---|---------------|------|
| 1511  | Blood transfusion (among infants with live birth and remained)          |               | 3574 |
| 1512  | Erythropoietin (among infants with live birth and remained)             |               | 3574 |
| N     | <b>Condition at discharge</b>   |               |      |
| 1601  | Age at discharge (mean) (among infants with live birth and remained)    | 88.6          | 3536 |
|       | SD  | 73.1          |      |
|       | 95% confidence interval   | 86.2-91.0     |      |
| 1602A | Dead at discharge (among infants with live birth and remained)          |               | 3574 |
| 1602B | Dead at discharge (among infants with live birth)                       |               | 3589 |
| 1603  | Autopsy (among infants with live birth, remained and dead at discharge) |               | 212  |

| No.  | Resources of participating hospitals  | All hospitals | n    |
|------|---|---------------|------|
| 1610 | Body length at discharge (mean)<br>(among infants with alive at discharge)        | 47.3          | 3068 |
|      | SD  | 46.2          |      |
|      | 95% confidence interval   | 45.6-48.9     |      |
| 1611 | Head circumference at discharge (mean)<br>(among infants with alive at discharge) | 35.9          | 3155 |
|      | SD  | 68.0          |      |
|      | 95% confidence interval   | 33.5-38.2     |      |

