

1. Natality

The status of live births, except those with mothers aged below 15, by employment status and occupation of father and mother at the time of the child's birth, is as follows.

(1) Live births by employment status of father and mother, and by live birth order

As for legitimate live births in FY 2010 by employment status of father, employed fathers stood at 981,962 (94.1%), and non-employed fathers stood at 17,222 (1.7%) (979,826 (94.0%) employed fathers and 17,904 (1.7%) non-employed fathers in the previous survey in FY 2005).

As for proportions by age group, that for non-employed fathers in "15 - 19 years", "60 - 64 years", and "65 years and over", were higher than those of other age groups (Table 1-1).

Table 1-1. Legitimate live births and percent distribution by employment status of father and by live birth order, and by age group of father, FY2010

| Employment Status of Father & Live Birth Order | Total | 15~19 years | 20~24 | 25~29 | 30~34 | 35~39 | 40~44 | 45~49 | 50~54 | 55~59 | 60~64 | 65 years and over | Not stated |
|--|-----------|-------------|--------|---------|---------|---------|--------|--------|-------|-------|-------|-------------------|------------|
| Legitimate Live Births | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | |
| Total | 1 043 750 | 4 212 | 68 279 | 239 491 | 354 996 | 259 795 | 88 269 | 21 616 | 4 933 | 1510 | 515 | 131 | 3 |
| Employed | 981 962 | 3 609 | 62 440 | 225 842 | 335 907 | 245 200 | 82 638 | 20 033 | 4 505 | 1301 | 403 | 83 | 1 |
| Non-employed | 17 222 | 432 | 2 948 | 3 929 | 4 307 | 3 216 | 1 437 | 535 | 182 | 119 | 77 | 40 | - |
| Not stated | 44 566 | 171 | 2 891 | 9 720 | 14 782 | 11 379 | 4 194 | 1 048 | 246 | 90 | 35 | 8 | 2 |
| 1st child | | | | | | | | | | | | | |
| Total | 492 482 | 3 774 | 46 650 | 141 482 | 161 035 | 95 686 | 32 221 | 8 661 | 2 098 | 634 | 192 | 46 | 3 |
| Employed | 462 032 | 3 220 | 42 495 | 133 419 | 152 041 | 90 076 | 30 091 | 8 025 | 1 944 | 542 | 150 | 28 | 1 |
| Non-employed | 9 297 | 400 | 2 250 | 2 236 | 2 121 | 1 351 | 568 | 218 | 62 | 49 | 28 | 14 | - |
| Not stated | 21 153 | 154 | 1 905 | 5 827 | 6 873 | 4 259 | 1 562 | 418 | 92 | 43 | 14 | 4 | 2 |
| 2nd child | | | | | | | | | | | | | |
| Total | 383 693 | 396 | 18 282 | 74 709 | 139 022 | 106 490 | 34 569 | 7 849 | 1 646 | 506 | 178 | 46 | - |
| Employed | 362 445 | 353 | 16 887 | 70 641 | 131 901 | 100 762 | 32 484 | 7 305 | 1 497 | 446 | 140 | 29 | - |
| Non-employed | 4 984 | 29 | 560 | 1 152 | 1 401 | 1 085 | 467 | 160 | 60 | 31 | 25 | 14 | - |
| Not stated | 16 264 | 14 | 835 | 2 916 | 5 720 | 4 643 | 1 618 | 384 | 89 | 29 | 13 | 3 | - |
| 3rd child | | | | | | | | | | | | | |
| Total | 134 296 | 32 | 2 843 | 19 488 | 45 592 | 45 976 | 15 919 | 3 422 | 708 | 208 | 90 | 18 | - |
| Employed | 126 695 | 27 | 2 611 | 18 287 | 43 235 | 43 489 | 14 950 | 3 189 | 642 | 180 | 74 | 11 | - |
| Non-employed | 1 932 | 3 | 108 | 399 | 561 | 505 | 216 | 76 | 27 | 18 | 12 | 7 | - |
| Not stated | 5 669 | 2 | 124 | 802 | 1 796 | 1 982 | 753 | 157 | 39 | 10 | 4 | - | - |
| 4th child and over | | | | | | | | | | | | | |
| Total | 33 279 | 10 | 504 | 3 812 | 9 347 | 11 643 | 5 560 | 1 684 | 481 | 162 | 55 | 21 | - |
| Employed | 30 790 | 9 | 447 | 3 495 | 8 730 | 10 873 | 5 113 | 1 514 | 422 | 133 | 39 | 15 | - |
| Non-employed | 1 009 | - | 30 | 142 | 224 | 275 | 186 | 81 | 33 | 21 | 12 | 5 | - |
| Not stated | 1 480 | 1 | 27 | 175 | 393 | 495 | 261 | 89 | 26 | 8 | 4 | 1 | - |
| Percent Distribution (%) | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 94.1 | 85.7 | 91.4 | 94.3 | 94.6 | 94.4 | 93.6 | 92.7 | 91.3 | 86.2 | 78.3 | 63.4 | ... |
| Non-employed | 1.7 | 10.3 | 4.3 | 1.6 | 1.2 | 1.2 | 1.6 | 2.5 | 3.7 | 7.9 | 15.0 | 30.5 | ... |
| 1st child | | | | | | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 93.8 | 85.3 | 91.1 | 94.3 | 94.4 | 94.1 | 93.4 | 92.7 | 92.7 | 85.5 | 78.1 | 60.9 | ... |
| Non-employed | 1.9 | 10.6 | 4.8 | 1.6 | 1.3 | 1.4 | 1.8 | 2.5 | 3.0 | 7.7 | 14.6 | 30.4 | ... |
| 2nd child | | | | | | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 94.5 | 89.1 | 92.4 | 94.6 | 94.9 | 94.6 | 94.0 | 93.1 | 90.9 | 88.1 | 78.7 | 63.0 | ... |
| Non-employed | 1.3 | 7.3 | 3.1 | 1.5 | 1.0 | 1.0 | 1.4 | 2.0 | 3.6 | 6.1 | 14.0 | 30.4 | ... |
| 3rd child | | | | | | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 94.3 | 84.4 | 91.8 | 93.8 | 94.8 | 94.6 | 93.9 | 93.2 | 90.7 | 86.5 | 82.2 | 61.1 | ... |
| Non-employed | 1.4 | 9.4 | 3.8 | 2.0 | 1.2 | 1.1 | 1.4 | 2.2 | 3.8 | 8.7 | 13.3 | 38.9 | ... |
| 4th child and over | | | | | | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 92.5 | 90.0 | 88.7 | 91.7 | 93.4 | 93.4 | 92.0 | 89.9 | 87.7 | 82.1 | 70.9 | 71.4 | ... |
| Non-employed | 3.0 | - | 6.0 | 3.7 | 2.4 | 2.4 | 3.3 | 4.8 | 6.9 | 13.0 | 21.8 | 23.8 | ... |

Notes: 1) "Live birth order" refers to the number of children to-date born alive to same mother.

2) The total of employment status proportions include "Employment Status Not Stated".

As for live births in FY 2010 by employment status of mother, employed mothers stood at 330,477 (31.0%), and non-employed mothers stood at 693,903 (65.0%) (250,934 (23.6%) employed mothers and 765,918 (72.0%) non-employed mothers in the previous survey).

As for proportions by age group, that for employed mothers is generally higher as the mother's age group becomes higher, for mothers aged below 50 who have children between the "1st child" and "3rd child" inclusive.

As for proportions by live birth order, employed mothers is 34.5% (25.2% in the previous survey) for the "1st child" (Table 1-2).

Table 1-2. Live births and percent distribution by employment status of mother and by live birth order, and by age group of mother, FY2010

| Employment Status of Mother & Live Birth Order | Total | 15~19 years | 20~24 | 25~29 | 30~34 | 35~39 | 40~44 | 45~49 | 50 years and over | Not stated |
|--|-----------|-------------|---------|---------|---------|---------|--------|-------|-------------------|------------|
| Live Births | | | | | | | | | | |
| Total | 1 066 784 | 13 272 | 109 293 | 305 764 | 382 094 | 220 210 | 35 349 | 774 | 25 | 3 |
| Employed | 330 477 | 689 | 20 358 | 92 116 | 128 701 | 75 595 | 12 723 | 287 | 8 | - |
| Non-employed | 693 903 | 11 888 | 84 717 | 202 252 | 238 430 | 135 218 | 20 930 | 455 | 13 | - |
| Not stated | 42 404 | 695 | 4 218 | 11 396 | 14 963 | 9 397 | 1 696 | 32 | 4 | 3 |
| 1st child | 505 722 | 11 812 | 73 277 | 173 278 | 159 962 | 74 502 | 12 563 | 313 | 12 | 3 |
| Employed | 174 558 | 635 | 15 555 | 60 863 | 63 204 | 29 181 | 4 977 | 140 | 3 | - |
| Non-employed | 310 445 | 10 547 | 54 892 | 105 718 | 90 225 | 41 924 | 6 968 | 164 | 7 | - |
| Not stated | 20 719 | 630 | 2 830 | 6 697 | 6 533 | 3 397 | 618 | 9 | 2 | 3 |
| 2nd child | 388 279 | 1 404 | 30 506 | 99 392 | 154 812 | 89 222 | 12 714 | 220 | 9 | - |
| Employed | 107 025 | 50 | 3 989 | 23 923 | 46 162 | 28 459 | 4 362 | 77 | 3 | - |
| Non-employed | 266 390 | 1 292 | 25 356 | 72 018 | 102 737 | 57 086 | 7 762 | 134 | 5 | - |
| Not stated | 14 864 | 62 | 1 161 | 3 451 | 5 913 | 3 677 | 590 | 9 | 1 | - |
| 3rd child | 137 291 | 54 | 4 928 | 27 608 | 55 015 | 43 108 | 6 463 | 113 | 2 | - |
| Employed | 39 160 | 4 | 723 | 6 202 | 16 044 | 13 926 | 2 220 | 39 | 2 | - |
| Non-employed | 92 797 | 47 | 4 005 | 20 390 | 36 912 | 27 440 | 3 933 | 70 | - | - |
| Not stated | 5 334 | 3 | 200 | 1 016 | 2 059 | 1 742 | 310 | 4 | - | - |
| 4th child and over | 35 492 | 2 | 582 | 5 486 | 12 305 | 13 378 | 3 609 | 128 | 2 | - |
| Employed | 9 734 | - | 91 | 1 128 | 3 291 | 4 029 | 1 164 | 31 | - | - |
| Non-employed | 24 271 | 2 | 464 | 4 126 | 8 556 | 8 768 | 2 267 | 87 | 1 | - |
| Not stated | 1 487 | - | 27 | 232 | 458 | 581 | 178 | 10 | 1 | - |
| Percent Distribution (%) | | | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 31.0 | 5.2 | 18.6 | 30.1 | 33.7 | 34.3 | 36.0 | 37.1 | 32.0 | ... |
| Non-employed | 65.0 | 89.6 | 77.5 | 66.1 | 62.4 | 61.4 | 59.2 | 58.8 | 52.0 | ... |
| 1st child | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 34.5 | 5.4 | 21.2 | 35.1 | 39.5 | 39.2 | 39.6 | 44.7 | 25.0 | ... |
| Non-employed | 61.4 | 89.3 | 74.9 | 61.0 | 56.4 | 56.3 | 55.5 | 52.4 | 58.3 | ... |
| 2nd child | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 27.6 | 3.6 | 13.1 | 24.1 | 29.8 | 31.9 | 34.3 | 35.0 | 33.3 | ... |
| Non-employed | 68.6 | 92.0 | 83.1 | 72.5 | 66.4 | 64.0 | 61.1 | 60.9 | 55.6 | ... |
| 3rd child | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 28.5 | 7.4 | 14.7 | 22.5 | 29.2 | 32.3 | 34.3 | 34.5 | 100.0 | ... |
| Non-employed | 67.6 | 87.0 | 81.3 | 73.9 | 67.1 | 63.7 | 60.9 | 61.9 | - | ... |
| 4th child and over | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ... |
| Employed | 27.4 | - | 15.6 | 20.6 | 26.7 | 30.1 | 32.3 | 24.2 | - | ... |
| Non-employed | 68.4 | 100.0 | 79.7 | 75.2 | 69.5 | 65.5 | 62.8 | 68.0 | 50.0 | ... |

Notes: 1) "Live birth order" refers to the number of children to-date born alive to same mother.

2) The total of employment status proportions include "Employment Status Not Stated".

Live birth rates (per 1,000 population) by the employment status of father in FY 2010 stood at 29.2 for employed fathers, and 1.1 for non-employed fathers (27.7 for employed and 1.2 for non-employed in the previous survey).

Live birth rates by live birth order and by age group of father was the highest in “25 - 29 years” for employed fathers at 47.2 for the first child, and in “30 - 34 years” for non-employed fathers at 6.1. As for the second child, the highest rates appeared in “30 - 34 years” for both employed and non-employed fathers, at 38.3 and 4.0 respectively.

Live birth rates by employment status of mother stood at 13.2 for employed mothers and at 24.5 for non-employed mothers (9.9 for employed and 26.0 for non-employed in the previous survey).

Live birth rates by live birth order and by age group of mother were the highest in “25 - 29 years” and “30 - 34 years” for the first child for employed mothers at 25.9, and in “25 - 29 years” for non-employed mothers at 123.4. As for the second child, the highest rate was marked in “30 - 34 years” for employed mothers at 18.9, and in “25 - 29 years” for non-employed mothers at 84.1 (Table 2).

Table 2. Live birth rates by employment status of parents, by live birth order, and by age group of parents, FY2010

| Employment Status & Live Birth Order | (per 1,000 population) | | | | | | | | |
|--------------------------------------|------------------------|-------------|-------|-------|-------|-------|-------|-------|-------------------|
| | Total | 15~19 years | 20~24 | 25~29 | 30~34 | 35~39 | 40~44 | 45~49 | 50 years and over |
| Father | | | | | | | | | |
| Total | | | | | | | | | |
| Total | 19.7 | 1.4 | 21.1 | 65.7 | 84.9 | 52.7 | 20.1 | 5.4 | 0.3 |
| Employed | 29.2 | 9.1 | 33.6 | 79.9 | 97.6 | 59.1 | 22.3 | 5.8 | 0.5 |
| Non-employed | 1.1 | 0.2 | 2.7 | 9.5 | 12.4 | 8.6 | 4.3 | 1.7 | 0.0 |
| 1st child | | | | | | | | | |
| Total | 9.3 | 1.2 | 14.4 | 38.8 | 38.5 | 19.4 | 7.4 | 2.2 | 0.1 |
| Employed | 13.7 | 8.2 | 22.9 | 47.2 | 44.2 | 21.7 | 8.1 | 2.3 | 0.2 |
| Non-employed | 0.6 | 0.2 | 2.1 | 5.4 | 6.1 | 3.6 | 1.7 | 0.7 | 0.0 |
| 2nd child | | | | | | | | | |
| Total | 7.2 | 0.1 | 5.7 | 20.5 | 33.3 | 21.6 | 7.9 | 2.0 | 0.1 |
| Employed | 10.8 | 0.9 | 9.1 | 25.0 | 38.3 | 24.3 | 8.8 | 2.1 | 0.2 |
| Non-employed | 0.3 | 0.0 | 0.5 | 2.8 | 4.0 | 2.9 | 1.4 | 0.5 | 0.0 |
| 3rd child | | | | | | | | | |
| Total | 2.5 | 0.0 | 0.9 | 5.3 | 10.9 | 9.3 | 3.6 | 0.9 | 0.0 |
| Employed | 3.8 | 0.1 | 1.4 | 6.5 | 12.6 | 10.5 | 4.0 | 0.9 | 0.1 |
| Non-employed | 0.1 | 0.0 | 0.1 | 1.0 | 1.6 | 1.4 | 0.6 | 0.2 | 0.0 |
| 4th child and over | | | | | | | | | |
| Total | 0.6 | 0.0 | 0.2 | 1.0 | 2.2 | 2.4 | 1.3 | 0.4 | 0.0 |
| Employed | 0.9 | 0.0 | 0.2 | 1.2 | 2.5 | 2.6 | 1.4 | 0.4 | 0.0 |
| Non-employed | 0.1 | - | 0.0 | 0.3 | 0.6 | 0.7 | 0.6 | 0.3 | 0.0 |
| Mother | | | | | | | | | |
| Total | | | | | | | | | |
| Total | 18.8 | 4.5 | 35.5 | 87.1 | 94.7 | 46.2 | 8.3 | 0.2 | 0.0 |
| Employed | 13.2 | 1.8 | 11.1 | 39.1 | 52.7 | 26.4 | 4.6 | 0.1 | 0.0 |
| Non-employed | 24.5 | 4.9 | 83.2 | 236.2 | 182.7 | 85.0 | 16.9 | 0.4 | 0.0 |
| 1st child | | | | | | | | | |
| Total | 8.9 | 4.0 | 23.8 | 49.3 | 39.7 | 15.6 | 2.9 | 0.1 | 0.0 |
| Employed | 7.0 | 1.7 | 8.4 | 25.9 | 25.9 | 10.2 | 1.8 | 0.1 | 0.0 |
| Non-employed | 11.0 | 4.3 | 53.9 | 123.4 | 69.1 | 26.3 | 5.6 | 0.2 | 0.0 |
| 2nd child | | | | | | | | | |
| Total | 6.9 | 0.5 | 9.9 | 28.3 | 38.4 | 18.7 | 3.0 | 0.1 | 0.0 |
| Employed | 4.3 | 0.1 | 2.2 | 10.2 | 18.9 | 9.9 | 1.6 | 0.0 | 0.0 |
| Non-employed | 9.4 | 0.5 | 24.9 | 84.1 | 78.7 | 35.9 | 6.3 | 0.1 | 0.0 |
| 3rd child | | | | | | | | | |
| Total | 2.4 | 0.0 | 1.6 | 7.9 | 13.6 | 9.1 | 1.5 | 0.0 | 0.0 |
| Employed | 1.6 | 0.0 | 0.4 | 2.6 | 6.6 | 4.9 | 0.8 | 0.0 | 0.0 |
| Non-employed | 3.3 | 0.0 | 3.9 | 23.8 | 28.3 | 17.2 | 3.2 | 0.1 | - |
| 4th child and over | | | | | | | | | |
| Total | 0.6 | 0.0 | 0.2 | 1.6 | 3.1 | 2.8 | 0.8 | 0.0 | 0.0 |
| Employed | 0.4 | - | 0.0 | 0.5 | 1.3 | 1.4 | 0.4 | 0.0 | - |
| Non-employed | 0.9 | 0.0 | 0.5 | 4.8 | 6.6 | 5.5 | 1.8 | 0.1 | 0.0 |

Notes: 1) "Live birth order" refers to the number of children to-date born alive to same mother.

2) "Live birth rates" for Father refer to legitimate live births.

3) The total of age figures include "Age Not Stated", and the total of employment status figures include "Employment Status Not Stated".

(2) Mean ages of parents of the first child by employment status and occupation of parents

Mean ages of parents at the birth of their first child in FY 2010, by employment status of parents, stood at 32.0 years for employed fathers, and 30.3 years for non-employed fathers; and 30.9 years for employed mothers, and 29.4 years for non-employed mothers (31.2 for employed fathers, 28.8 for unemployed fathers, 30.2 for employed mothers, and 28.7 for non-employed mothers in the previous survey).

Of employed fathers, the mean age by occupation was the highest in “Administrative and managerial workers” at 36.8 years, and the lowest in “Security workers” at 30.3 years.

Similarly, the mean age of employed mothers by occupation was the highest in “Administrative and managerial workers” at 33.2 years, and the lowest in “Manufacturing process workers” at 29.0 years (Table 3).

Table 3. Mean age of parents of the first child in live birth order by employment status and occupation of parents, FY2010

| Occupation | Father | Mother |
|---|--------|--------|
| | years | years |
| Total | 32.0 | 30.0 |
| Employed Total (Employed) | 32.0 | 30.9 |
| A. Administrative and managerial workers | 36.8 | 33.2 |
| B. Professional and engineering workers | 32.7 | 31.0 |
| C. Clerical workers | 33.2 | 31.7 |
| D. Sales workers | 32.0 | 30.3 |
| E. Service workers | 31.0 | 29.8 |
| F. Security workers | 30.3 | 29.1 |
| G. Agriculture, forestry and fishery workers | 31.2 | 30.1 |
| H. Manufacturing process workers | 30.6 | 29.0 |
| I. Transport and machine operation workers | 32.0 | 30.3 |
| J. Construction and mining workers | 30.4 | 31.0 |
| K. Carrying, cleaning, packaging, and related workers | 30.8 | 29.8 |
| Non-employed | 30.3 | 29.4 |

Notes: 1) "Live birth order" refers to the number of children to-date born alive to same mother.

2) Values for Father refers to legitimate live births.

3) The Total includes "Employment Status Not Stated", and the Employed Total includes "Occupation Not Stated".