

表 9.2 年齢階級別・疾患別移植数の推移

Trends of age distribution in the first stem cell transplants according to diagnosis of patients

(解析データセット 3:1991 から 2007 年の初回の移植)

(analysis dataset 3: reported first transplants conducted between 1991 and 2007)

a. 急性骨髄性白血病 AML

| 年齢 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 129 | 29 | 34 | 31 | 27 | 30 | 25 | 20 | 23 | 19 | 18 | 28 | 413 |
| 5~9 | 140 | 31 | 23 | 25 | 24 | 19 | 17 | 17 | 13 | 24 | 12 | 17 | 362 |
| 10~14 | 171 | 36 | 22 | 31 | 30 | 28 | 17 | 19 | 13 | 28 | 18 | 18 | 431 |
| 15~19 | 196 | 35 | 45 | 47 | 44 | 38 | 45 | 33 | 33 | 30 | 29 | 31 | 606 |
| 20~24 | 171 | 37 | 47 | 41 | 32 | 36 | 27 | 43 | 44 | 33 | 43 | 32 | 586 |
| 25~29 | 149 | 40 | 49 | 42 | 50 | 45 | 57 | 53 | 41 | 52 | 60 | 53 | 691 |
| 30~34 | 153 | 35 | 42 | 32 | 41 | 56 | 58 | 60 | 57 | 88 | 82 | 51 | 755 |
| 35~39 | 165 | 49 | 35 | 38 | 40 | 55 | 62 | 57 | 68 | 68 | 63 | 79 | 779 |
| 40~44 | 148 | 32 | 28 | 48 | 38 | 62 | 55 | 53 | 66 | 68 | 81 | 64 | 743 |
| 45~49 | 115 | 50 | 50 | 53 | 68 | 75 | 69 | 72 | 71 | 95 | 88 | 80 | 886 |
| 50~54 | 47 | 19 | 36 | 25 | 62 | 78 | 86 | 89 | 88 | 100 | 116 | 109 | 855 |
| 55~59 | 18 | 13 | 11 | 20 | 17 | 34 | 41 | 80 | 70 | 103 | 114 | 136 | 657 |
| 60~64 | 11 | 0 | 4 | 7 | 10 | 15 | 24 | 32 | 56 | 60 | 58 | 90 | 367 |
| 65~69 | 4 | 3 | 2 | 1 | 10 | 7 | 13 | 13 | 18 | 25 | 32 | 37 | 165 |
| 70~74 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 8 | 6 | 5 | 5 | 34 |
| 75~79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| 80~84 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 不明 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 1 | 9 |
| 合計 Total | 1,619 | 410 | 429 | 441 | 494 | 581 | 598 | 647 | 671 | 802 | 821 | 832 | 8,345 |

b. 急性リンパ性白血病 ALL

| 年齢 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 150 | 38 | 40 | 30 | 37 | 38 | 25 | 46 | 21 | 29 | 25 | 29 | 508 |
| 5~9 | 275 | 57 | 53 | 49 | 46 | 54 | 56 | 44 | 43 | 39 | 42 | 34 | 792 |
| 10~14 | 273 | 59 | 35 | 43 | 45 | 46 | 34 | 36 | 39 | 35 | 35 | 34 | 714 |
| 15~19 | 312 | 56 | 53 | 47 | 60 | 51 | 49 | 42 | 39 | 42 | 31 | 45 | 827 |
| 20~24 | 170 | 37 | 44 | 36 | 32 | 29 | 39 | 34 | 22 | 32 | 33 | 37 | 545 |
| 25~29 | 117 | 28 | 28 | 26 | 29 | 29 | 27 | 30 | 28 | 21 | 33 | 37 | 433 |
| 30~34 | 71 | 19 | 24 | 28 | 19 | 32 | 32 | 34 | 37 | 29 | 31 | 25 | 381 |
| 35~39 | 82 | 13 | 19 | 18 | 25 | 24 | 34 | 30 | 30 | 30 | 42 | 39 | 386 |
| 40~44 | 80 | 15 | 14 | 19 | 32 | 27 | 30 | 27 | 21 | 32 | 47 | 34 | 378 |
| 45~49 | 50 | 16 | 26 | 19 | 18 | 21 | 25 | 29 | 24 | 30 | 35 | 22 | 315 |
| 50~54 | 16 | 10 | 13 | 12 | 23 | 23 | 30 | 29 | 37 | 42 | 27 | 32 | 294 |
| 55~59 | 11 | 5 | 0 | 6 | 10 | 8 | 9 | 34 | 19 | 24 | 21 | 38 | 185 |
| 60~64 | 2 | 1 | 1 | 3 | 1 | 1 | 5 | 7 | 6 | 18 | 13 | 13 | 71 |
| 65~69 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 3 | 7 | 4 | 6 | 29 |
| 70~74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| 75~79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 80~84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 不明 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 4 |
| 合計 Total | 1,612 | 354 | 351 | 336 | 379 | 383 | 397 | 428 | 370 | 411 | 420 | 425 | 5,866 |

c. 慢性骨髓性白血病 CML

| 年齡 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 7 | 6 | 6 | 0 | 4 | 4 | 4 | 1 | 0 | 1 | 1 | 0 | 34 |
| 5~9 | 22 | 2 | 1 | 3 | 9 | 6 | 2 | 2 | 4 | 3 | 2 | 0 | 56 |
| 10~14 | 42 | 7 | 8 | 8 | 2 | 7 | 9 | 3 | 6 | 1 | 4 | 4 | 101 |
| 15~19 | 56 | 17 | 15 | 9 | 4 | 12 | 8 | 7 | 2 | 7 | 4 | 1 | 142 |
| 20~24 | 96 | 22 | 20 | 27 | 32 | 25 | 17 | 12 | 9 | 4 | 3 | 5 | 272 |
| 25~29 | 105 | 31 | 35 | 42 | 41 | 18 | 21 | 6 | 3 | 10 | 5 | 2 | 319 |
| 30~34 | 133 | 26 | 31 | 37 | 33 | 33 | 15 | 10 | 9 | 12 | 11 | 8 | 358 |
| 35~39 | 145 | 21 | 30 | 34 | 41 | 38 | 16 | 8 | 7 | 15 | 13 | 6 | 374 |
| 40~44 | 151 | 32 | 36 | 33 | 42 | 38 | 18 | 15 | 13 | 5 | 9 | 12 | 404 |
| 45~49 | 112 | 36 | 30 | 32 | 47 | 44 | 20 | 11 | 11 | 14 | 7 | 5 | 369 |
| 50~54 | 25 | 11 | 10 | 23 | 33 | 41 | 20 | 15 | 20 | 6 | 5 | 7 | 216 |
| 55~59 | 7 | 0 | 2 | 3 | 10 | 14 | 9 | 11 | 10 | 11 | 7 | 8 | 92 |
| 60~64 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 5 | 6 | 4 | 1 | 21 |
| 65~69 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 5 |
| 70~74 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 |
| 75~79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80~84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 不明 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 合計 Total | 902 | 211 | 226 | 252 | 300 | 281 | 161 | 103 | 99 | 97 | 77 | 59 | 2,768 |

d. 骨髓異形成症候群 MDS

| 年齡 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 24 | 6 | 10 | 5 | 9 | 12 | 13 | 9 | 9 | 12 | 23 | 11 | 143 |
| 5~9 | 35 | 10 | 5 | 5 | 3 | 7 | 5 | 5 | 10 | 1 | 4 | 3 | 93 |
| 10~14 | 20 | 11 | 5 | 4 | 6 | 9 | 1 | 3 | 3 | 5 | 5 | 3 | 75 |
| 15~19 | 35 | 7 | 7 | 4 | 13 | 8 | 2 | 12 | 10 | 8 | 9 | 4 | 119 |
| 20~24 | 35 | 7 | 13 | 8 | 14 | 5 | 8 | 7 | 3 | 5 | 7 | 10 | 122 |
| 25~29 | 29 | 6 | 14 | 11 | 7 | 7 | 11 | 11 | 9 | 14 | 12 | 9 | 140 |
| 30~34 | 28 | 4 | 7 | 8 | 11 | 16 | 7 | 13 | 5 | 13 | 13 | 7 | 132 |
| 35~39 | 42 | 5 | 10 | 8 | 8 | 17 | 17 | 12 | 14 | 22 | 17 | 21 | 193 |
| 40~44 | 32 | 9 | 7 | 11 | 22 | 15 | 19 | 9 | 25 | 21 | 12 | 20 | 202 |
| 45~49 | 23 | 13 | 11 | 24 | 15 | 22 | 19 | 21 | 18 | 29 | 15 | 32 | 242 |
| 50~54 | 9 | 4 | 8 | 14 | 22 | 34 | 35 | 33 | 34 | 37 | 26 | 33 | 289 |
| 55~59 | 3 | 1 | 2 | 5 | 7 | 11 | 21 | 18 | 35 | 43 | 60 | 46 | 252 |
| 60~64 | 0 | 1 | 0 | 4 | 2 | 7 | 12 | 24 | 24 | 25 | 28 | 33 | 160 |
| 65~69 | 1 | 0 | 2 | 0 | 2 | 2 | 5 | 9 | 14 | 7 | 11 | 21 | 74 |
| 70~74 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 5 |
| 75~79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80~84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 不明 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 4 |
| 合計 Total | 316 | 84 | 101 | 111 | 141 | 174 | 175 | 188 | 214 | 243 | 243 | 255 | 2,245 |

e. 非ホジキンリンパ腫 Non-Hodgkin lymphoma

| 年齢 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 22 | 6 | 8 | 4 | 5 | 7 | 0 | 3 | 9 | 0 | 1 | 1 | 66 |
| 5~9 | 55 | 7 | 6 | 8 | 10 | 10 | 5 | 3 | 7 | 2 | 4 | 3 | 120 |
| 10~14 | 70 | 12 | 11 | 13 | 7 | 6 | 8 | 9 | 6 | 4 | 6 | 2 | 154 |
| 15~19 | 98 | 21 | 16 | 19 | 25 | 13 | 22 | 17 | 14 | 16 | 18 | 12 | 291 |
| 20~24 | 85 | 19 | 23 | 38 | 26 | 21 | 25 | 20 | 20 | 16 | 23 | 21 | 337 |
| 25~29 | 64 | 18 | 27 | 22 | 32 | 25 | 24 | 31 | 30 | 31 | 25 | 30 | 359 |
| 30~34 | 72 | 20 | 29 | 24 | 24 | 27 | 30 | 29 | 26 | 35 | 40 | 28 | 384 |
| 35~39 | 107 | 31 | 25 | 34 | 35 | 41 | 35 | 26 | 38 | 42 | 47 | 44 | 505 |
| 40~44 | 116 | 32 | 61 | 48 | 47 | 41 | 65 | 48 | 45 | 65 | 52 | 55 | 675 |
| 45~49 | 108 | 51 | 62 | 78 | 69 | 67 | 72 | 91 | 82 | 79 | 90 | 100 | 949 |
| 50~54 | 95 | 44 | 52 | 82 | 95 | 98 | 109 | 109 | 123 | 117 | 114 | 125 | 1,163 |
| 55~59 | 92 | 41 | 66 | 60 | 61 | 77 | 98 | 102 | 113 | 156 | 156 | 182 | 1,204 |
| 60~64 | 49 | 26 | 37 | 42 | 55 | 61 | 66 | 87 | 64 | 120 | 121 | 124 | 852 |
| 65~69 | 16 | 6 | 16 | 16 | 24 | 29 | 32 | 45 | 34 | 40 | 54 | 50 | 362 |
| 70~74 | 9 | 3 | 5 | 5 | 5 | 8 | 12 | 10 | 3 | 5 | 10 | 7 | 82 |
| 75~79 | 1 | 0 | 2 | 2 | 0 | 1 | 2 | 2 | 3 | 4 | 3 | 2 | 22 |
| 80~84 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 不明 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 8 |
| 合計 Total | 1,060 | 338 | 447 | 495 | 521 | 534 | 606 | 633 | 619 | 732 | 764 | 786 | 7,535 |

f. 固形腫瘍 Solid tumors

| 年齢 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 265 | 59 | 45 | 66 | 69 | 71 | 66 | 41 | 52 | 47 | 73 | 71 | 925 |
| 5~9 | 176 | 28 | 38 | 41 | 31 | 33 | 20 | 35 | 24 | 38 | 30 | 34 | 528 |
| 10~14 | 95 | 19 | 29 | 18 | 23 | 27 | 19 | 22 | 14 | 16 | 21 | 26 | 329 |
| 15~19 | 68 | 11 | 20 | 19 | 19 | 15 | 20 | 16 | 8 | 16 | 19 | 14 | 245 |
| 20~24 | 45 | 10 | 15 | 16 | 11 | 13 | 11 | 10 | 2 | 5 | 6 | 7 | 151 |
| 25~29 | 43 | 9 | 11 | 12 | 18 | 12 | 11 | 7 | 5 | 4 | 6 | 1 | 139 |
| 30~34 | 43 | 12 | 13 | 9 | 7 | 12 | 5 | 10 | 7 | 4 | 4 | 4 | 130 |
| 35~39 | 51 | 16 | 16 | 18 | 9 | 6 | 6 | 5 | 3 | 2 | 5 | 8 | 145 |
| 40~44 | 66 | 17 | 22 | 12 | 8 | 2 | 12 | 7 | 5 | 4 | 3 | 0 | 158 |
| 45~49 | 86 | 37 | 28 | 12 | 7 | 4 | 10 | 5 | 2 | 1 | 2 | 2 | 196 |
| 50~54 | 72 | 22 | 23 | 16 | 15 | 9 | 16 | 6 | 5 | 3 | 1 | 2 | 190 |
| 55~59 | 50 | 16 | 16 | 15 | 12 | 8 | 10 | 4 | 2 | 3 | 1 | 0 | 137 |
| 60~64 | 30 | 9 | 9 | 3 | 5 | 4 | 3 | 6 | 1 | 2 | 0 | 0 | 72 |
| 65~69 | 8 | 5 | 3 | 3 | 1 | 2 | 1 | 4 | 1 | 0 | 0 | 0 | 28 |
| 70~74 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| 75~79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80~84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 不明 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 7 |
| 合計 Total | 1,103 | 270 | 288 | 260 | 236 | 219 | 210 | 178 | 131 | 151 | 171 | 169 | 3,386 |

g. 再生不良性貧血 Aplastic anemia

| 年齡 Age | '91~'96 | '97 | '98 | '99 | '00 | '01 | '02 | '03 | '04 | '05 | '06 | '07 | 合計 Total |
|-------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 0~4 | 29 | 0 | 7 | 2 | 6 | 8 | 5 | 6 | 9 | 4 | 7 | 5 | 88 |
| 5~9 | 42 | 11 | 10 | 12 | 10 | 11 | 12 | 10 | 11 | 14 | 13 | 6 | 162 |
| 10~14 | 94 | 11 | 16 | 15 | 17 | 10 | 10 | 10 | 19 | 10 | 16 | 21 | 249 |
| 15~19 | 75 | 19 | 7 | 12 | 13 | 8 | 6 | 18 | 12 | 17 | 14 | 14 | 215 |
| 20~24 | 59 | 10 | 11 | 10 | 16 | 11 | 10 | 12 | 10 | 9 | 13 | 8 | 179 |
| 25~29 | 25 | 7 | 8 | 8 | 6 | 9 | 13 | 2 | 4 | 6 | 12 | 7 | 107 |
| 30~34 | 27 | 5 | 5 | 6 | 8 | 7 | 11 | 9 | 3 | 4 | 7 | 10 | 102 |
| 35~39 | 19 | 0 | 3 | 5 | 4 | 3 | 4 | 6 | 3 | 6 | 12 | 6 | 71 |
| 40~44 | 14 | 2 | 1 | 3 | 4 | 12 | 2 | 1 | 3 | 4 | 8 | 4 | 58 |
| 45~49 | 4 | 0 | 1 | 1 | 6 | 3 | 4 | 6 | 5 | 5 | 4 | 5 | 44 |
| 50~54 | 3 | 0 | 2 | 2 | 1 | 5 | 1 | 1 | 3 | 3 | 2 | 4 | 27 |
| 55~59 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 5 | 3 | 2 | 4 | 4 | 23 |
| 60~64 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 4 |
| 65~69 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 4 |
| 70~74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 75~79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80~84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85~89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90~95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 不明 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 合計 Total | 391 | 65 | 72 | 77 | 91 | 91 | 80 | 88 | 86 | 88 | 112 | 95 | 1,336 |