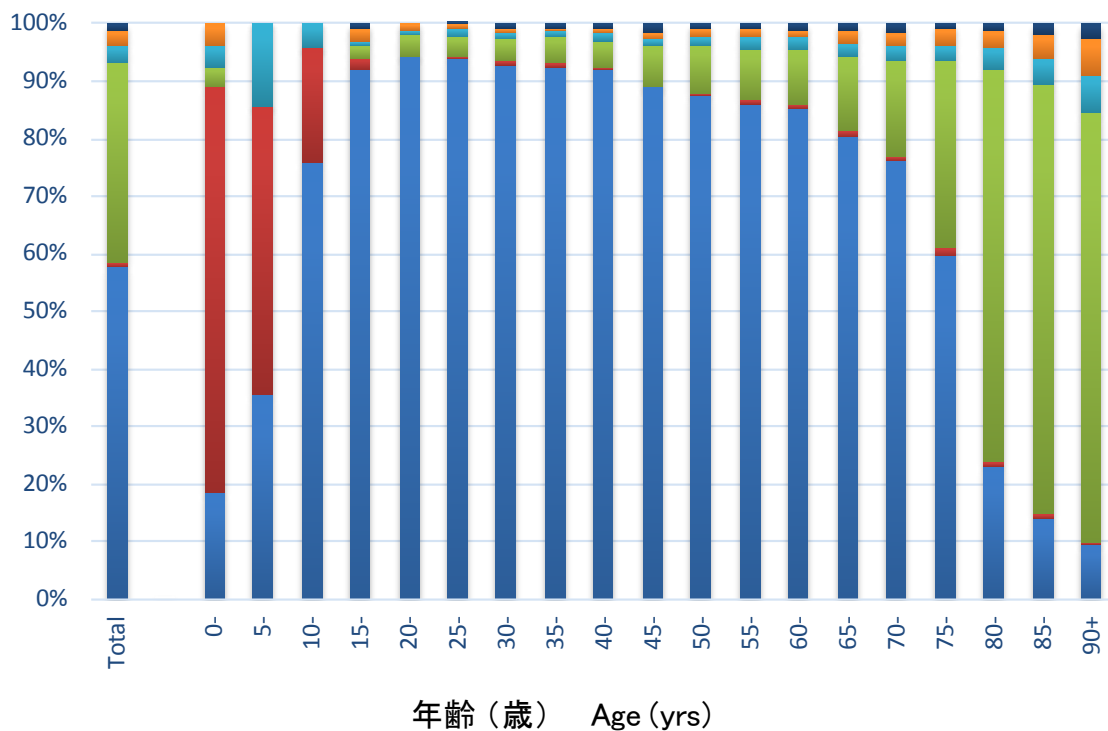


【治療 1】

図1 新登録結核患者の年齢階層別治療開始時化学療法内容、2013年
 Fig.1 Initial treatment regimen of newly notified tuberculosis patients by age group, 2013



H: Isoniazid, R: Rifampicin, Z: Pyrazinamide, E: Ethambutol, S: Streptomycin

- HRZ+E/S
- HRZ
- 他HR含む3剤以上
 ≧Other 3 drugs including HR
- その他 Other drugs
- 治療なし No treatment
- 不明 Unknown

表1 新登録結核患者の年齢階層別・治療歴別患者数、2013年
 Table 1 Number of tuberculosis patients by treatment history and age group, 2013

| 年齢階層 Age group | 新登録結核 患者 Newly notified tuberculosis patients | 治療歴 Treatment history | | | | 再治療率 (%) Proportion of re-treatment tuberculosis patients (%) |
|-------------------|---|--------------------------|---------------------------|--|---------------|---|
| | | 初回治療 New | 再治療 Re-treatment | | 不明 Unknown | |
| | | | 全再治療 Re-treatment, all | LTBI治療歴有り (再掲) Re-treatment, with past history of LTBI treatment | | |
| | | | | (re-count) | | |
| 総数 Total | 20,495 | 18,944 | 1,262 | 94 | 289 | 6.2 |
| 0-4 | 27 | 25 | 2 | 1 | 0 | 7.4 |
| 5-9 | 14 | 14 | 0 | 0 | 0 | 0.0 |
| 10-14 | 25 | 22 | 3 | 3 | 0 | 12.0 |
| 15-19 | 165 | 151 | 14 | 8 | 0 | 8.5 |
| 20-24 | 536 | 509 | 27 | 8 | 0 | 5.0 |
| 25-29 | 660 | 643 | 17 | 7 | 0 | 2.6 |
| 30-34 | 641 | 610 | 26 | 6 | 5 | 4.1 |
| 35-39 | 676 | 630 | 41 | 10 | 5 | 6.1 |
| 40-44 | 791 | 755 | 34 | 2 | 2 | 4.3 |
| 45-49 | 705 | 661 | 40 | 10 | 4 | 5.7 |
| 50-54 | 779 | 712 | 62 | 9 | 5 | 8.0 |
| 55-59 | 886 | 806 | 76 | 7 | 4 | 8.6 |
| 60-64 | 1,363 | 1,251 | 103 | 11 | 9 | 7.6 |
| 65-69 | 1,470 | 1,346 | 101 | 2 | 23 | 7.0 |
| 70-74 | 1,852 | 1,715 | 118 | 3 | 19 | 6.4 |
| 75-79 | 2,507 | 2,309 | 154 | 3 | 44 | 6.3 |
| 80-84 | 3,082 | 2,833 | 198 | 2 | 51 | 6.5 |
| 85-89 | 2,774 | 2,536 | 164 | 1 | 74 | 6.1 |
| 90+ | 1,542 | 1,416 | 82 | 1 | 44 | 5.5 |

再治療率 (%): 治療歴不明を除く

Proportion of re-treatment tuberculosis patients: those of unknown treatment history excluded

LTBI: Latent Tuberculosis Infection

表2 再治療患者の年齢階層別・前回治療開始年別患者数、2013年

Table 2 Number of re-treatment tuberculosis patients by previous treatment year and age group, 2013

| 年 Year | 総計 Total | 年齢 (歳) Age group (yrs) | | | | | | | | (再) 前回治療 内容不明 (Re-count)* |
|---|-------------|------------------------|-------|-------|-------|-------|-------|-------|-----|---------------------------------|
| | | 0-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ | |
| 総計 Total | 1,262 | 19 | 44 | 67 | 74 | 138 | 204 | 272 | 444 | 349 |
| ～1949 | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 99 | 78 |
| 1950-59 | 177 | 0 | 0 | 0 | 0 | 0 | 8 | 64 | 105 | 90 |
| 1960-69 | 76 | 0 | 0 | 0 | 0 | 1 | 15 | 30 | 30 | 46 |
| 1970-79 | 56 | 0 | 0 | 0 | 1 | 5 | 24 | 13 | 13 | 34 |
| 1980-89 | 38 | 0 | 0 | 2 | 2 | 8 | 13 | 8 | 5 | 20 |
| 1990-99 | 66 | 0 | 2 | 4 | 7 | 9 | 13 | 13 | 18 | 29 |
| 2000-09 | 277 | 4 | 17 | 19 | 24 | 39 | 58 | 54 | 62 | 36 |
| 2010-12 | 466 | 15 | 25 | 42 | 40 | 76 | 73 | 83 | 112 | 16 |
| (再掲) 2000～2013年 (Re-count) 2000-2013 | | | | | | | | | | |
| 2000 | 11 | 0 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 3 |
| 2001 | 8 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 |
| 2002 | 20 | 0 | 3 | 1 | 2 | 1 | 6 | 4 | 3 | 4 |
| 2003 | 22 | 0 | 0 | 2 | 1 | 0 | 7 | 7 | 5 | 7 |
| 2004 | 20 | 0 | 1 | 0 | 4 | 1 | 4 | 4 | 6 | 1 |
| 2005 | 32 | 1 | 1 | 2 | 3 | 7 | 7 | 5 | 6 | 0 |
| 2006 | 34 | 2 | 2 | 0 | 2 | 5 | 8 | 6 | 9 | 7 |
| 2007 | 30 | 0 | 3 | 3 | 1 | 6 | 5 | 6 | 6 | 2 |
| 2008 | 48 | 1 | 5 | 8 | 4 | 2 | 5 | 9 | 14 | 7 |
| 2009 | 52 | 0 | 1 | 2 | 5 | 13 | 12 | 10 | 9 | 3 |
| 2010 | 90 | 1 | 4 | 14 | 8 | 13 | 13 | 16 | 21 | 6 |
| 2011 | 152 | 5 | 7 | 8 | 11 | 27 | 24 | 25 | 45 | 4 |
| 2012 | 171 | 4 | 11 | 11 | 15 | 24 | 28 | 36 | 42 | 5 |
| 2013 | 53 | 5 | 3 | 9 | 6 | 12 | 8 | 6 | 4 | 1 |

*: (Re-count) Unknown of previous treatment regimen

表3 治療開始時PZA使用者について、治療完遂者のPZA使用
継続状況、2012年新登録患者

Table 3 Treatment with PZA in initial phase among newly notified
tuberculosis patients in 2012 and completed standard treatment

| | | 総計 Total | 治療完遂者 Completed (%) |
|-----------|------------------------|-------------|------------------------|
| 総計 | Total | 12,660 | 10,303 |
| 2カ月 | 2 months | 8,012 | 7,601 (87.3) |
| 1カ月以上2カ未満 | ≥1 month and <2 months | 723 | 590 (6.8) |
| 1カ月未満 | <1 month | 679 | 517 (5.9) |
| 不明 | Unknown | 3,246 | 1,595 (-) |

(%) : 不明を除く割合 Proportions: cases with unknown PZA
use status excluded.

PZA: Pyrazinamide

旧表 再治療者の年齢階層別前回治療内容別患者数、2013年

Previous table Number of retreatment tuberculosis patients by previous tuberculosis treatment regimen and age group, 2013

| 年齢 Age group | 再治療者 Retreatment | 前回治療内容 Previous treatment regimen | | | | |
|-----------------|---------------------|--------------------------------------|----------------------------------|------------------------|---------------------------|---------------|
| | | HRZ含む治療 Regimen with HRZ | 他HR含む治療 Other regimen with HR | その他治療 Other regimen | 潜在性結核治療 LTBI treatment | 不明 Unknown |
| 総数 Total | 1,262 | 404 | 229 | 186 | 94 | 349 |
| 0-4 | 2 | 1 | 0 | 0 | 1 | 0 |
| 5-9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-14 | 3 | 0 | 0 | 0 | 3 | 0 |
| 15-19 | 14 | 3 | 2 | 0 | 8 | 1 |
| 20-24 | 27 | 12 | 2 | 2 | 8 | 3 |
| 25-29 | 17 | 8 | 0 | 1 | 7 | 1 |
| 30-34 | 26 | 13 | 4 | 1 | 6 | 2 |
| 35-39 | 41 | 18 | 6 | 0 | 10 | 7 |
| 40-44 | 34 | 21 | 2 | 1 | 2 | 8 |
| 45-49 | 40 | 19 | 5 | 0 | 10 | 6 |
| 50-54 | 62 | 39 | 5 | 1 | 9 | 8 |
| 55-59 | 76 | 44 | 13 | 1 | 7 | 11 |
| 60-64 | 103 | 47 | 15 | 8 | 11 | 22 |
| 65-69 | 101 | 38 | 19 | 15 | 2 | 27 |
| 70-74 | 118 | 43 | 16 | 17 | 3 | 39 |
| 75-79 | 154 | 43 | 30 | 40 | 3 | 38 |
| 80-84 | 198 | 31 | 44 | 45 | 2 | 76 |
| 85-89 | 164 | 21 | 39 | 42 | 1 | 61 |
| 90+ | 82 | 3 | 27 | 12 | 1 | 39 |

H : Isoniazid, R : Rifampicin, Z : Pyrazinamide

LTBI : Latent Tuberculosis Infection

【治療 2】

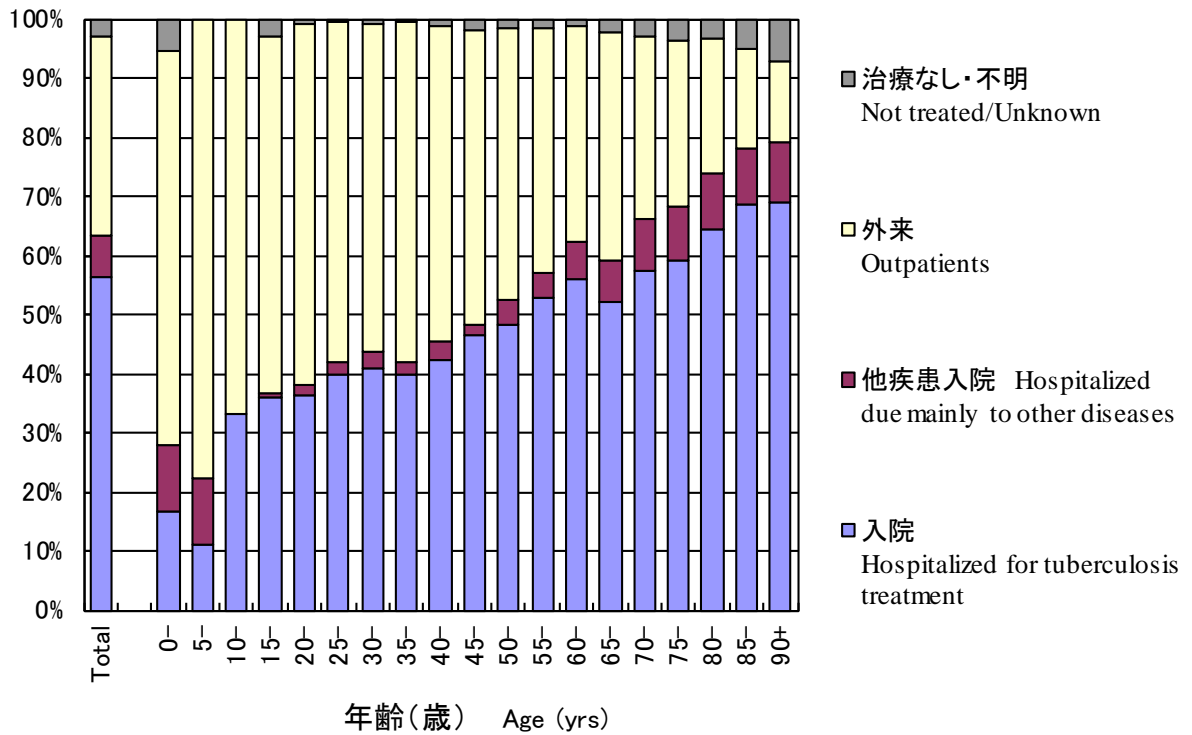


図2 新登録肺結核患者の治療開始時受療状況別割合、年齢階層別、2013年
 Fig.2 Proportion of initial treatment status among newly notified pulmonary tuberculosis patients by age group, 2013

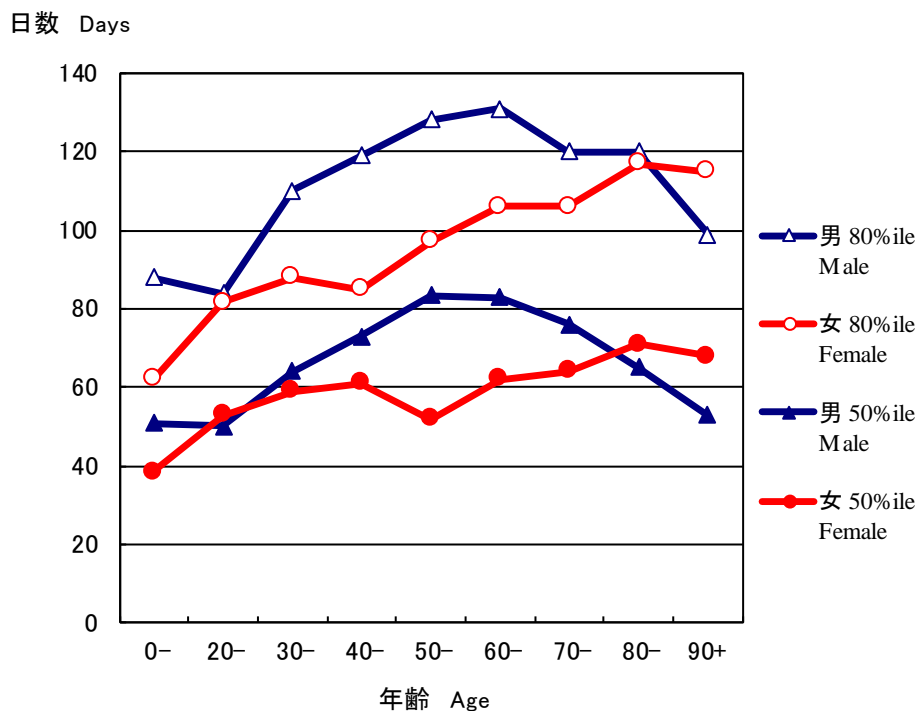


図3 治療開始時結核を主たる理由に入院かつ退院時期情報があつた者について、性・年齢階層別入院期間（中央値および80%値）、2012年新登録肺結核喀痰塗抹陽性初回治療者

Fig.3 Median (50%ile) and 80%ile of duration of hospitalization among those hospitalized with tuberculosis and with known discharged day, new sputum-smear positive pulmonary tuberculosis patients in 2012 by sex and age group

表4 治療開始時入院治療者の入院期間、総合患者分類別、2012年新登録結核患者

Table 4 Duration of hospitalization among newly notified tuberculosis patients receiving initial treatment at hospital in 2012 by patient classification

| | | 新登録活動性結核 Newly notified tuberculosis patients | | | | | | |
|----------------------|--------------------------------|---|---------------------------------|---------------------|---|--|-------|---|
| | | 肺結核 Pulmonary tuberculosis patients | | | | | | 肺外結核 Extra- pulmonary tuberculosis patients |
| 総数 Total | | 計 Total | 喀痰塗抹陽性 Sputum-smear positive | | その他の結核 菌陽性 Other bacteriologically positive | 菌陰性・その他 Bacteriologically negative and others | | |
| | | | 初回治療 New | 再治療 Re-treatment | | | | |
| 総数 | Total | 21,221 | 16,411 | 7,694 | 579 | 5,656 | 2,482 | 4,810 |
| 入院 | Hospitalized with tuberculosis | 10,508 | 9,140 | 6,950 | 520 | 1,388 | 282 | 1,368 |
| 退院日入力 | Known date of discharge | 8,369 | 7,452 | 5,842 | 424 | 1,017 | 169 | 917 |
| 入院患者で退院日が入力された者の入院期間 | | Duration of hospitalization among those hospitalized with tuberculosis and with known date of discharge | | | | | | |
| 中央値(日) | Median (days) | 64 | 66 | 69 | 68 | 45 | 44 | 43 |
| 80%値(日) | 80%ile (days) | 113 | 114 | 117 | 116 | 93 | 99 | 100 |

*: 退院理由は問わず *: Irrespective of the reason for discharge from hospital

表5 前年(2011年、2012年)新登録治療開始者の各次年末時(2012年、2013年)治療終了状況および治療期間、総合患者分類別

Table 5 Treatment status and duration of treatment at the end of the following years (2012/2013) among those newly notified and started tuberculosis treatment in the previous years (2011/2012) by patient classification

| | 新登録活動性結核 Newly notified tuberculosis patients | | | | | | | |
|---|---|-------------------------------------|---------------------------------|---------------------|---|---|--|--|
| | 総数 Total | 肺結核 Pulmonary tuberculosis patients | | | | | | (別掲) 潜在性結核感染症 (Not included in the total) LTBI |
| | | 計 Total | 喀痰塗抹陽性 Sputum-smear positive | | その他の結核菌 陽性 Other bacteriologically positive | 菌陰性・その他 Bacteriologically negative and others | 肺外結核 Extra-pulmonary tuberculosis patients | |
| | | | 初回治療 New | 再治療 Re-treatment | | | | |
| 2011年新登録者数* New cases in 2011* | 22,508 | 17,449 | 7,736 | 747 | 6,049 | 2,917 | 5,059 | 10,096 |
| 治療開始時入院/外来 Known treatment status | 21,984 (100%) | 17,001 (100%) | 7,587 (100%) | 734 (100%) | 5,825 (100%) | 2,855 (100%) | 4,983 (100%) | 10,015 (100%) |
| 治療終了 Stopped treatment | 18,525 (84.3) | 14,318 (84.2) | 6,126 (80.7) | 574 (78.2) | 5,058 (86.8) | 2,560 (89.7) | 4,207 (84.4) | 9,318 (93.0) |
| 治療終了(完遂) Completed | 16,099 (73.2) | 12,493 (73.5) | 5,118 (67.5) | 461 (62.8) | 4,570 (78.5) | 2,344 (82.1) | 3,606 (72.4) | 8,232 (82.2) |
| 治療中止(指示) Others | 1,398 (6.4) | 1,009 (5.9) | 546 (7.2) | 62 (8.4) | 271 (4.7) | 130 (4.6) | 389 (7.8) | 899 (9.0) |
| 自己中止 Defaulted | 178 (0.8) | 147 (0.9) | 60 (0.8) | 8 (1.1) | 49 (0.8) | 30 (1.1) | 31 (0.6) | 170 (1.7) |
| 行方不明/帰国/死亡 Missing / Moved out of Japan / Dead | 838 (3.8) | 658 (3.9) | 399 (5.3) | 42 (5.7) | 166 (2.8) | 51 (1.8) | 180 (3.6) | 11 (0.1) |
| 不明 Unknown | 12 (0.1) | 11 (0.1) | 3 (0.0) | 1 (0.1) | 2 (0.0) | 5 (0.2) | 1 (0.0) | 6 (0.1) |
| 2012年末治療完遂あるいは治療継続中の治療期間 Median of duration of treatment among those completed treatment and still receiving treatment | | | | | | | | |
| 対象者数# Subjects# | 16,742 | 12,930 | 5,299 | 491 | 4,718 | 2,422 | 3,812 | 8,609 |
| 中央値(日) Median (days) | 273 | 272 | 276 | 288 | 269 | 196 | 274 | 184 |
| 2012年新登録者数** New cases in 2012** | 21,221 | 16,411 | 7,694 | 579 | 5,656 | 2,482 | 4,810 | 8,768 |
| 治療開始時入院/外来 Known treatment status | 20,725 (100%) | 16,008 (100%) | 7,587 (100%) | 571 (100%) | 5,435 (100%) | 2,415 (100%) | 4,717 (100%) | 8,643 (100%) |
| 治療終了 Stopped treatment | 17,938 (86.6) | 13,847 (86.5) | 6,358 (83.8) | 475 (83.2) | 4,824 (88.8) | 2,190 (90.7) | 4,091 (86.7) | 8,104 (93.8) |
| 治療終了(完遂) Completed | 14,769 (71.3) | 11,428 (71.4) | 4,889 (64.4) | 374 (65.5) | 4,180 (76.9) | 1,985 (82.2) | 3,341 (70.8) | 7,212 (83.4) |
| 治療中止(指示) Others | 491 (2.4) | 314 (2.0) | 96 (1.3) | 19 (3.3) | 112 (2.1) | 87 (3.6) | 177 (3.8) | 730 (8.4) |
| 自己中止 Defaulted | 95 (0.5) | 72 (0.4) | 18 (0.2) | 6 (1.1) | 27 (0.5) | 21 (0.9) | 23 (0.5) | 126 (1.5) |
| 行方不明/帰国/死亡 Missing / Moved out of Japan / Dead | 2,581 (12.5) | 2,033 (12.7) | 1,355 (17.9) | 76 (13.3) | 505 (9.3) | 97 (4.0) | 548 (11.6) | 36 (0.4) |
| 不明 Unknown | 2 (0.0) | 0 (0.0) | 0 (0.0) | 0 (0.0) | 0 (0.0) | 0 (0.0) | 2 (0.0) | 0 (0.0) |
| 2012年末治療完遂あるいは治療継続中の治療期間 Median of duration of treatment among those completed treatment and still receiving treatment | | | | | | | | |
| 対象者数# Subjects# | 15,558 | 11,958 | 5,154 | 403 | 4,347 | 2,054 | 3,600 | 7,478 |
| 中央値(日) Median (days) | 273 | 271 | 276 | 285 | 257 | 192 | 274 | 184 |

*: 2012年年報データによる Based on the annual report database in 2012

** : 2013年年報データによる Based on the annual report database in 2013

対象者: 年末時点(2012年、2013年)で治療完遂者と登録中かつ治療終了が未入力で治療継続中の者 Subjects: Those who completed tuberculosis treatment or those who were still receiving treatment at the end of years (2012/2013).

LTBI: Latent Tuberculosis Infection

旧表 再治療者の年齢階層別前回治療内容別患者数、2013年

Previous table Number of retreatment tuberculosis patients by previous tuberculosis treatment regimen and age group, 2013

| 年齢 Age group | 再治療者 Retreatment | 前回治療内容 Previous treatment regimen | | | | |
|-----------------|---------------------|--------------------------------------|----------------------------------|------------------------|---------------------------|---------------|
| | | HRZ含む治療 Regimen with HRZ | 他HR含む治療 Other regimen with HR | その他治療 Other regimen | 潜在性結核治療 LTBI treatment | 不明 Unknown |
| 総数 Total | 1,262 | 404 | 229 | 186 | 94 | 349 |
| 0-4 | 2 | 1 | 0 | 0 | 1 | 0 |
| 5-9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-14 | 3 | 0 | 0 | 0 | 3 | 0 |
| 15-19 | 14 | 3 | 2 | 0 | 8 | 1 |
| 20-24 | 27 | 12 | 2 | 2 | 8 | 3 |
| 25-29 | 17 | 8 | 0 | 1 | 7 | 1 |
| 30-34 | 26 | 13 | 4 | 1 | 6 | 2 |
| 35-39 | 41 | 18 | 6 | 0 | 10 | 7 |
| 40-44 | 34 | 21 | 2 | 1 | 2 | 8 |
| 45-49 | 40 | 19 | 5 | 0 | 10 | 6 |
| 50-54 | 62 | 39 | 5 | 1 | 9 | 8 |
| 55-59 | 76 | 44 | 13 | 1 | 7 | 11 |
| 60-64 | 103 | 47 | 15 | 8 | 11 | 22 |
| 65-69 | 101 | 38 | 19 | 15 | 2 | 27 |
| 70-74 | 118 | 43 | 16 | 17 | 3 | 39 |
| 75-79 | 154 | 43 | 30 | 40 | 3 | 38 |
| 80-84 | 198 | 31 | 44 | 45 | 2 | 76 |
| 85-89 | 164 | 21 | 39 | 42 | 1 | 61 |
| 90+ | 82 | 3 | 27 | 12 | 1 | 39 |

H : Isoniazid, R : Rifampicin, Z : Pyrazinamide

LTBI : Latent Tuberculosis Infection

旧表 年齢階層別治療開始時入院あるいは他疾患入院の割合(%)、総合患者分類別、2013年新登録結核患者

Previous table Proportion (%) hospitalized among newly notified tuberculosis patients in 2013 by age group and patient classification

| 年齢 Age | 肺結核 Pulmonary TB | | | | | | | | | |
|-----------|------------------|-----------|---------------------------------|-----------|---------------------------------------|-----------|--|-----------|-------------------------|-----------|
| | 計 Total | | 喀痰塗抹陽性 Sputum smear positive | | その他の結核菌陽性 Other bacillary positive | | 菌陰性・その他 Bacillary negative /unknown | | 肺外結核 Extra-pulmonary | |
| | 入院 Ht | 他入院 Ho | 入院 Ht | 他入院 Ho | 入院 Ht | 他入院 Ho | 入院 Ht | 他入院 Ho | 入院 Ht | 他入院 Ho |
| 総数 Total | 56.2 | 7.0 | 89.6 | 2.4 | 25.7 | 12.2 | 12.3 | 10.7 | 29.5 | 20.1 |
| 0-19 | 32.6 | 2.1 | 87.8 | 2.0 | 22.6 | 1.9 | 7.1 | 2.4 | 31.8 | 13.6 |
| 20-29 | 38.4 | 1.9 | 89.6 | 0.0 | 16.0 | 3.9 | 7.1 | 1.8 | 24.5 | 6.0 |
| 30-39 | 40.3 | 2.5 | 90.0 | 0.2 | 14.8 | 4.3 | 4.8 | 3.1 | 19.6 | 11.9 |
| 40-49 | 44.3 | 2.5 | 87.2 | 1.0 | 14.2 | 3.5 | 7.1 | 3.9 | 17.0 | 11.5 |
| 50-59 | 50.6 | 4.2 | 89.1 | 1.1 | 19.0 | 7.1 | 5.8 | 7.0 | 23.6 | 13.9 |
| 60-69 | 54.0 | 6.8 | 89.6 | 1.8 | 20.6 | 11.5 | 13.4 | 12.6 | 20.7 | 18.5 |
| 70-79 | 58.4 | 9.0 | 90.4 | 3.0 | 26.2 | 13.5 | 16.1 | 20.8 | 28.5 | 19.4 |
| 80-89 | 66.4 | 9.4 | 89.9 | 3.2 | 34.7 | 17.8 | 24.7 | 19.6 | 36.7 | 25.3 |
| 90+ | 68.9 | 10.4 | 88.8 | 3.3 | 40.8 | 21.2 | 26.9 | 20.9 | 41.2 | 28.3 |

入院: 結核を主たる理由に入院 Ht: Hospitalized for tuberculosis treatment

他入院: 結核以外の他疾患の治療を主たる理由に入院 Ho: Hospitalized mainly due to other diseases

旧表 治療開始時INHあるいはRFP使用者の使用継続状況、治療完遂の有無別、2012年新登録結核患者

Previous table Outcome of treatment with INH or RFP in initial phase among those newly notified TB patients in 2012 by completion of standard regimen

| | INHの使用 Treatment with INH | | RFPの使用 Treatment with RFP | |
|--|---------------------------|-----------------|---------------------------|-----------------|
| | 総数 Total | 完遂 Completed | 総数 Total | 完遂 Completed |
| 総数 Total | 20,371 | 14,693 (100%) | 20,156 | 14,626 (100%) |
| 全期間中断なし Full course without interruption | 11,275 | 10,288 (70.0) | 11,318 | 10,418 (71.2) |
| 一時中断あり Full course with interruption | 1,373 | 1,086 (7.4) | 1,412 | 1,135 (7.8) |
| 中止後未使用 Interrupted and discontinued | 753 | 399 (2.7) | 565 | 162 (1.1) |
| 不明* Unknown* | 6,970 | 2,920 (19.9) | 6,861 | 2,911 (19.9) |

*: 治療継続中、治療中の除外等も含む Including those who were still receiving treatment with INH or RFP and those who were deleted from registration during their treatment.

INH: Isoniazid, RFP: Rifampicin

【治療成績】

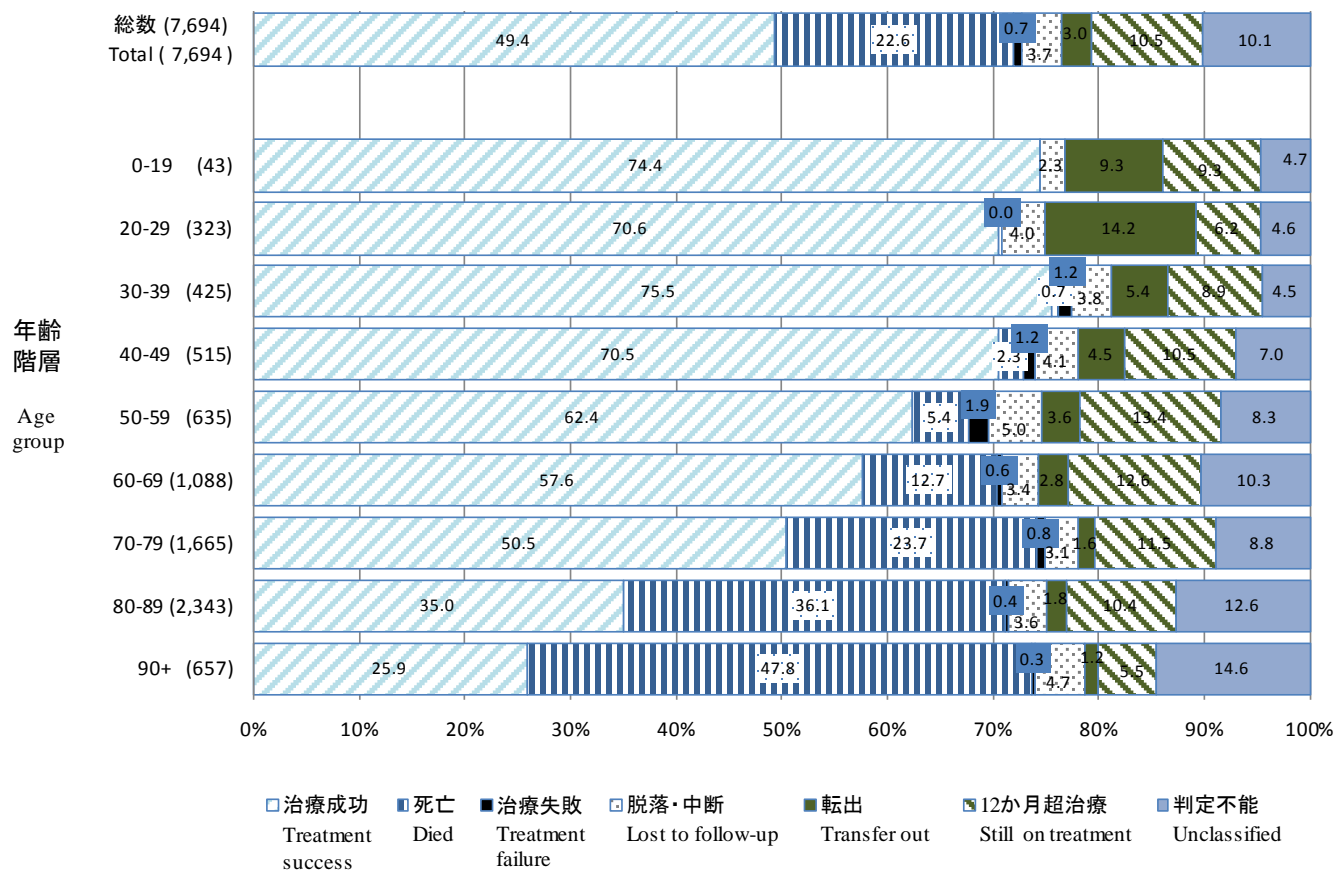


図4 2012年新登録肺結核喀痰塗抹陽性初回治療者の年齢階層別コホート法による治療成績(%)
 Fig. 4 Treatment outcomes of newly notified sputum-smear positive pulmonary tuberculosis patients by age group, 2012 year cohort (%)

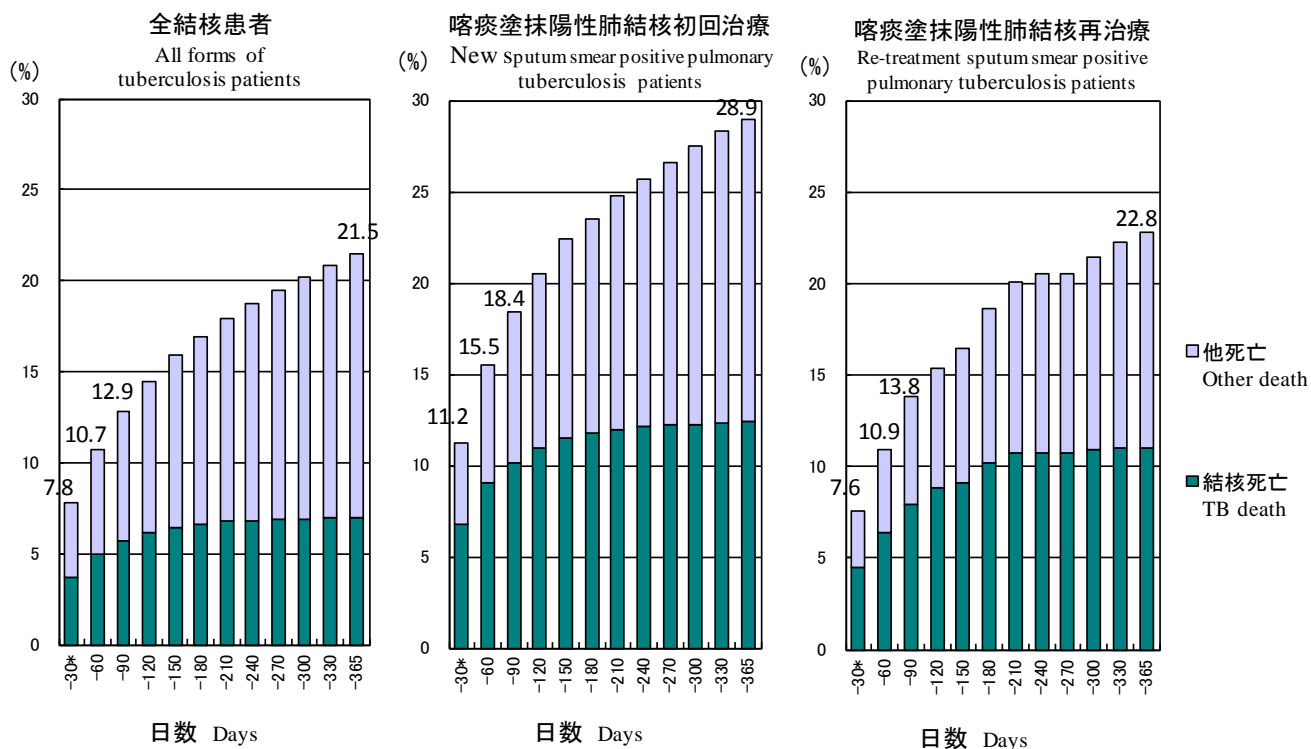


図5 2012年新登録結核患者中治療開始後1年以内死亡者の時期別・死因別累積死亡割合 (%)

Fig. 5 Cumulative proportion of deaths among newly notified tuberculosis patients in 2012 by period from the beginning of treatment and by cause of death through one year

-30*: 死亡後登録・治療前死亡を含む。 -30*: Includes patients who died before the commencement of treatment.
 TB: tuberculosis

表6 2012年新登録肺結核患者の総合患者分類別によるコホート治療成績

Table 6 Treatment outcome of newly notified pulmonary tuberculosis patients by patient classification, 2012 year cohort

| | 肺結核 Pulmonary tuberculosis patients | | | | | | | | | |
|--|-------------------------------------|---------------------------------|--------------------|--------|-----|--|-------|--|-------|--------|
| | 総数 Total | 喀痰塗抹陽性 Sputum-smear positive | | | | 他結核菌陽性 Other bacteriologically positive | | 結核菌陰性・ その他 Bacteriologically negative and others | | |
| | | 初回治療 New | 再治療 Retreatment | | | | | | | |
| 新登録肺結核患者数 New pulmonary tuberculosis patients | 16,411 | (100%) | 7,694 | (100%) | 579 | (100%) | 5,656 | (100%) | 2,482 | (100%) |
| 治療成績 Treatment outcomes (*) | | | | | | | | | | |
| 1. 治療成功 Treatment Success | 8,876 | 54.1 | 3,797 | 49.4 | 261 | 45.1 | 3,278 | 58.0 | 1,540 | 62.0 |
| 治癒 Cure | 2,469 | 15.0 | 1,413 | 18.4 | 104 | 18.0 | 713 | 12.6 | 239 | 9.6 |
| 治療完了 Treatment completed | 6,407 | 39.0 | 2,384 | 31.0 | 157 | 27.1 | 2,565 | 45.4 | 1,301 | 52.4 |
| 治療完了1 Treatment Completed 1 | 4,113 | 25.1 | 1,607 | 20.9 | 110 | 19.0 | 1,097 | 19.4 | 1,299 | 52.3 |
| 治療完了2 Treatment Completed 2 | 2,294 | 14.0 | 777 | 10.1 | 47 | 8.1 | 1,468 | 26.0 | 2 | 0.1 |
| 2. 死亡 Died | 2,716 | 16.5 | 1,742 | 22.6 | 107 | 18.5 | 719 | 12.7 | 148 | 6.0 |
| 3. 治療失敗 Treatment failure | 81 | 0.5 | 53 | 0.7 | 5 | 0.9 | 21 | 0.4 | 2 | 0.1 |
| 4. 脱落・中断 Lost to follow-up | 1,093 | 6.7 | 288 | 3.7 | 20 | 3.5 | 481 | 8.5 | 304 | 12.2 |
| 脱落1 Lost to follow-up 1 | 283 | 1.7 | 110 | 1.4 | 10 | 1.7 | 111 | 2.0 | 52 | 2.1 |
| 脱落2 Lost to follow-up 2 | 810 | 4.9 | 178 | 2.3 | 10 | 1.7 | 370 | 6.5 | 252 | 10.2 |
| 5. 転出 Transfer out | 473 | 2.9 | 228 | 3.0 | 20 | 3.5 | 140 | 2.5 | 85 | 3.4 |
| 6. 12ヵ月超治療 Still on treatment | 1,437 | 8.8 | 810 | 10.5 | 87 | 15.0 | 417 | 7.4 | 123 | 5.0 |
| 12ヵ月超1 Still on treatment 1 | 275 | 1.7 | 150 | 1.9 | 19 | 3.3 | 87 | 1.5 | 19 | 0.8 |
| 12ヵ月超2 Still on treatment 2 | 187 | 1.1 | 107 | 1.4 | 9 | 1.6 | 52 | 0.9 | 19 | 0.8 |
| 12ヵ月超3 Still on treatment 3 | 525 | 3.2 | 309 | 4.0 | 40 | 6.9 | 130 | 2.3 | 46 | 1.9 |
| 12ヵ月超4 Still on treatment 4 | 450 | 2.7 | 244 | 3.2 | 19 | 3.3 | 148 | 2.6 | 39 | 1.6 |
| 7. 判定不能 Unclassified | 1,735 | 10.6 | 776 | 10.1 | 79 | 13.6 | 600 | 10.6 | 280 | 11.3 |
| 判定不能1 Unclassified 1 | 456 | 2.8 | 184 | 2.4 | 6 | 1.0 | 211 | 3.7 | 55 | 2.2 |
| 判定不能2 Unclassified 2 | 69 | 0.4 | 43 | 0.6 | 4 | 0.7 | 17 | 0.3 | 5 | 0.2 |
| 判定不能3 Unclassified 3 | 540 | 3.3 | 277 | 3.6 | 38 | 6.6 | 147 | 2.6 | 78 | 3.1 |
| 判定不能4 Unclassified 4 | 83 | 0.5 | 30 | 0.4 | 5 | 0.9 | 37 | 0.7 | 11 | 0.4 |
| 判定不能5 Unclassified 5 | 587 | 3.6 | 242 | 3.1 | 26 | 4.5 | 188 | 3.3 | 131 | 5.3 |

*治療成績:表7参照。治療開始せず(主に早期に死亡),治療内容不明,非標準治療で開始,途中から最後までINHあるいはRFP使用中止,その他情報不足を含む。

*Treatment outcomes: See Table 7. It includes those who did not start tuberculosis treatment (mostly caused by early death), those whose initial treatment regimen is unknown, those whose treatment is other than standard treatment, those who stopped INH and/or RFP before treatment completion, and those whose information is insufficient for classifying treatment outcomes.

INH: isoniazid, RFP: rifampicin

表7 治療成績区分と定義および新登録喀痰塗抹陽性初回治療肺結核患者の治療成績(率), 2007~2012年コホート
Table 7 Treatment outcomes of newly notified sputum smear positive pulmonary tuberculosis patients, 2007-2012 year cohorts (%)

| 治療成績 Treatment outcomes | 定義 Definition | 2007 n= | 2008 | 2009 | 2010 | 2011 | 2012 |
|--|---|------------|------|------|------|------|------|
| 1. 治癒 Cure | 標準治療期間を満たして12カ月以内に治療を完遂し、培養検査での陰性確認を2回以上できた(1回は治療終了前3カ月以内)場合。 A patient who completed treatment within 12 months and whose sputum culture tests were negative at least two times (one of the negative culture results was within three months before the completion of treatment). | 16.9 | 17.6 | 20.7 | 20.1 | 20.0 | 18.4 |
| 2. 治療完了1 Treatment completed 1 | 標準治療期間を満たして12カ月以内に治療を完遂したが、培養検査の陰性確認は1回のみの場合。 A patient who completed treatment within 12 months but had only one negative sputum culture result. | 24.9 | 26.8 | 27.2 | 27.4 | 20.7 | 20.9 |
| 3. 治療完了2 Treatment completed 2 | 標準治療期間を満たして12カ月以内に治療を完遂したが、培養検査での陰性確認がなかった場合。 A patient who completed treatment within 12 months but did not have a negative sputum culture result. | 3.8 | 3.4 | 3.9 | 4.5 | 9.9 | 10.1 |
| 4. 死亡 Died | 治療中に死亡した場合(理由は問わない)。 A patient who died for any reason during the course of treatment. | 18.4 | 19.1 | 19.3 | 20.8 | 21.6 | 22.6 |
| 5. 治療失敗 Treatment failure | 治療開始後5カ月以降1年以内に、培養検査が陽性であった場合。 A patient whose sputum culture was positive at 5 months or later during the course of treatment. | 1.0 | 1.1 | 0.9 | 0.7 | 0.7 | 0.7 |
| 6. 脱落1 Lost to follow-up 1 | 連続60日以上あるいは2カ月以上治療を中断した場合。 A patient whose treatment was interrupted for 60 days (or 2 consecutive months) or more. | 0.7 | 0.6 | 0.8 | 0.6 | 1.1 | 1.4 |
| 7. 脱落2 Lost to follow-up 2 | 治療は完遂とされているが、標準治療期間に満たなかった場合。 A patient whose physician stopped treatment but the amount of treatment days did not fulfil the standard duration. | 4.3 | 3.2 | 2.9 | 2.3 | 2.2 | 2.3 |
| 8. 転出 Transfer out | 治療中に当該保健所管轄地域外へ転出した場合。 A patient who has been transferred to another area of the public health center where the patient was registered. | 3.2 | 2.8 | 3.3 | 3.0 | 3.2 | 3.0 |
| 9. 12カ月超治療1 Still on treatment 1 | 治療開始から12カ月後も治療中(治療中にイソニアジドあるいはリファンピシンの使用を中止し、その後未使用)。 A patient who stopped Isoniazid (INH) and/or Rifampicin (RFP) and was still on treatment after 12 months. | 1.7 | 1.4 | 2.0 | 1.6 | 1.8 | 1.9 |
| 10. 12カ月超治療2* Still on treatment 2* | 治療開始から12カ月後も治療中(INHあるいはRFPを全期間使用したが、途中中断のために長期化した可能性あり)。 A patient who has been on treatment with INH and/or RFP and was still on treatment after 12 months due possibly to treatment interruption. | 10.3 | 10.5 | 8.8 | 8.3 | 1.3 | 1.4 |
| 11. 12カ月超治療3 Still on treatment 3 | 治療開始から12カ月後も治療中(INHあるいはRFPを全期間使用し、途中中断はなし)。 A patient who has been on treatment with INH and/or RFP and was still on treatment after 12 months without treatment interruption. | | | | | 4.1 | 4.0 |
| 12. 12カ月超治療4 Still on treatment 4 | 治療開始から12カ月後も治療中(上記12ヶ月超治療1~3以外の理由)。 A patient who has been on treatment with INH and/or RFP and was still on treatment after 12 months due to unknown reasons. | | | | | 3.9 | 3.2 |
| 13. 判定不能1 Unclassified 1 | 治療しなかった場合(主な理由は、治療開始前の死亡あるいは死亡後の結核登録)。 A patient who did not start tuberculosis treatment (due mostly to early death). | 1.9 | 2.2 | 2.1 | 2.1 | 0.7 | 2.4 |
| 14. 判定不能2 Unclassified 2 | 治療開始時の治療内容が未入力の場合。 A patient whose initial treatment regimen was unknown. | 4.3 | 3.9 | 1.4 | 1.2 | 1.0 | 0.6 |
| 15. 判定不能3 Unclassified 3 | 治療開始時の治療内容が標準治療以外の場合。 A patient whose treatment regimen was other than the standard. | 2.5 | 2.7 | 2.5 | 2.7 | 4.1 | 3.6 |
| 16. 判定不能3 Unclassified 4 | 12カ月以内に治療を完遂したが、治療途中にINHあるいはRFPの使用を中止して以後未使用の場合。 A patient who stopped INH and/or RFP but completed treatment within 12 months. | 1.1 | 1.1 | 1.3 | 1.1 | 0.4 | 0.4 |
| 17. 判定不能5 Unclassified 5 | 上記いずれにも該当しない場合(主な理由は情報不十分)。 A patient whose information was insufficient for classifying treatment outcome. | 5.1 | 3.8 | 2.9 | 3.5 | 3.1 | 3.1 |

*2010年までは、12カ月超治療について、12ヶ月超治療1と12ヶ月超治療2(12ヶ月超治療1以外)のみの集計であったが、2011年以降は、2010年までの12ヶ月超治療2を細分化して、12ヶ月超治療1~4で集計している。

*There were two categories of "Still on treatment" until 2010 cohorts. Since 2011, the categories have been divided into four kinds as indicated above.

表8 2011年・2012年における新登録結核患者と潜在性結核感染症登録患者の次年末時(2012年末・2013年末)登録除外状況および除外理由、総合患者分類別

Table 8 Number (proportion) of patients excluded from tuberculosis registration by the end of years (in 2012 and in 2013) among those newly notified tuberculosis patients and LTBI patients in the previous years (in 2011 and in 2012, respectively) by patient classification

| | 新登録活動性結核 Newly notified tuberculosis patients | | | | | | | | | | | | | (別掲) 潜在性結核 感染症 LTBI patients (Not included in the total) (%) | | |
|---|---|--|---------------|---------------------------------|-------------------------|--------------|------------|--|--------------|--|--------------|--------------------------------|--------------|---|---------------|--------------|
| | 肺結核 Pulmonary tuberculosis | | | | | | | | | | | | | | | |
| | 総数 Total (%) | 肺結核計 Sub-total (Pulmonary tuberculosis) (%) | | 喀痰塗抹陽性 Sputum-smear positive | | | | 他結核菌陽性 Other bacteriologically positive (%) | | 結核菌陰性 Bacteriologically negative (%) | | 肺外結核 Extra-pulmonary (%) | | | | |
| | | | | 初回治療 New (%) | 再治療 Re-treatment (%) | | | | | | | | | | | |
| 2011年新登録結核患者数* Newly notified tuberculosis cases in 2011* | 22,508 | (100) | 17,449 | (100) | 7,736 | (100) | 747 | (100) | 6,049 | (100) | 2,917 | (100) | 5,059 | (100) | 10,096 | (100) |
| 2012 年末時までの除外者計 | | | | | | | | | | | | | | | | |
| Total number of patients excluded from tuberculosis registration by the end of 2012 | 6,385 | (28.4) | 5,045 | (28.9) | 2,710 | (35.0) | 279 | (37.3) | 1,532 | (25.3) | 524 | (18.0) | 1,340 | (26.5) | 1,240 | (12.3) |
| 観察不要 No need for follow-up | 136 | (0.6) | 48 | (0.3) | 5 | (0.1) | 1 | (0.1) | 16 | (0.3) | 26 | (0.9) | 88 | (1.7) | 465 | (4.6) |
| 死亡 Died | 5,050 | (22.4) | 3,994 | (22.9) | 2,267 | (29.3) | 227 | (30.4) | 1,206 | (19.9) | 294 | (10.1) | 1,056 | (20.9) | 65 | (0.6) |
| 結核死 Tuberculosis death | 1,502 | (6.7) | 1,258 | (7.2) | 932 | (12.0) | 80 | (10.7) | 184 | (3.0) | 62 | (2.1) | 244 | (4.8) | 0 | (0.0) |
| 結核外死 Other death | 3,548 | (15.8) | 2,736 | (15.7) | 1,335 | (17.3) | 147 | (19.7) | 1,022 | (16.9) | 232 | (8.0) | 812 | (16.1) | 65 | (0.6) |
| 転出 Transfer out | 983 | (4.4) | 828 | (4.7) | 354 | (4.6) | 47 | (6.3) | 255 | (4.2) | 172 | (5.9) | 155 | (3.1) | 592 | (5.9) |
| 登録中の再登録 Re-treatment during registration | 138 | (0.6) | 118 | (0.7) | 65 | (0.8) | 4 | (0.5) | 34 | (0.6) | 15 | (0.5) | 20 | (0.4) | 51 | (0.5) |
| その他の理由 Other reason | 78 | (0.3) | 57 | (0.3) | 19 | (0.2) | 0 | (0.0) | 21 | (0.3) | 17 | (0.6) | 21 | (0.4) | 67 | (0.7) |
| 2012年新登録結核患者数** Newly notified tuberculosis cases in 2012** | 21,221 | (100) | 16,411 | (100) | 7,694 | (100) | 579 | (100) | 5,656 | (100) | 2,482 | (100) | 4,810 | (100) | 8,768 | (100) |
| 2013 年末時までの除外者計 | | | | | | | | | | | | | | | | |
| Total number of patients excluded from tuberculosis registration by the end of 2013 | 6,244 | (29.4) | 4,947 | (30.1) | 2,822 | (36.7) | 185 | (32.0) | 1,466 | (25.9) | 474 | (19.1) | 1,297 | (27.0) | 880 | (10.0) |
| 観察不要 No need for follow-up | 84 | (0.4) | 38 | (0.2) | 6 | (0.1) | 1 | (0.2) | 11 | (0.2) | 20 | (0.8) | 46 | (1.0) | 206 | (2.3) |
| 死亡 Died | 4,989 | (23.5) | 3,948 | (24.1) | 2,406 | (31.3) | 145 | (25.0) | 1,137 | (20.1) | 260 | (10.5) | 1,041 | (21.6) | 77 | (0.9) |
| 結核死 Tuberculosis death | 1,490 | (7.0) | 1,265 | (7.7) | 961 | (12.5) | 64 | (11.1) | 194 | (3.4) | 46 | (1.9) | 225 | (4.7) | 1 | (0.0) |
| 結核外死 Other death | 3,499 | (16.5) | 2,683 | (16.3) | 1,445 | (18.8) | 81 | (14.0) | 943 | (16.7) | 214 | (8.6) | 816 | (17.0) | 76 | (0.9) |
| 転出 Transfer out | 1,001 | (4.7) | 827 | (5.0) | 360 | (4.7) | 27 | (4.7) | 265 | (4.7) | 175 | (7.1) | 174 | (3.6) | 506 | (5.8) |
| 登録中の再登録 Re-treatment during registration | 133 | (0.6) | 107 | (0.7) | 45 | (0.6) | 9 | (1.6) | 41 | (0.7) | 12 | (0.5) | 26 | (0.5) | 41 | (0.5) |
| その他の理由 Other reason | 37 | (0.2) | 27 | (0.2) | 5 | (0.1) | 3 | (0.5) | 12 | (0.2) | 7 | (0.3) | 10 | (0.2) | 50 | (0.6) |

*: 2012年結核年報データによる。Based on the annual report database in 2012.

** : 2013年結核年報データによる。Based on the annual report database in 2013.

LTBI : Latent Tuberculosis Infection