

## 6 コホート観察結果

コホートとは、1年間あるいは四半期などの時期を定めて、この間に治療を開始した患者の集団を指します。このコホート集団を一定期間追跡し、治療終了時点での成績を観察します。世界的に治療サービスの評価に広く用いられており、WHOでは、①治癒、②治療完了、③死亡、④失敗、⑤脱落、⑥転出、⑦評価できず、に分類しています。①+②を「治療成功」とよびWHOは85%達成を目標にしています。

2007年からの結核登録者情報システムでは、前年登録の肺結核患者を対象に入力された情報から自動判定し、15のコードに分類しています。なお、「結核の統計」など一般的には15区分をまとめ、①治癒、②治療完了、③死亡、④失敗、⑤脱落、⑥転出、⑦12か月を越える治療、⑧判定不能、の8区分で表しています。

### ■治療経過の判定基準

判定区分	判定基準
①治癒	1. 治癒 1年以内で指示中止（完遂）の月を含む過去3ヶ月と
②完了	2. 完了 それ以前の2回菌陰性を確認→治癒、どちらか1回→完了 3. 完了※ 菌陽性結果後菌陰性を確認せず指示中止（完遂）
③死亡	4. 死亡 1年以内で治療完遂前に死亡
④失敗	5. 失敗 5月目以降に培養陽性が1度でもあり
⑤脱落	6. 脱落1 連続60日以上あるいは2月以上中断 7. 脱落2 指示中止（完遂）だが180日未満あるいは270日未満の治療
⑥転出	8. 転出 1年以内で治療完遂前に転出
⑦12か月を越える治療	9. 12か月越治療1 標準治療が途中から変更となり長期化の可能性 10. 12か月越治療2 その他の理由で長期化
⑧判定不能	11. 判定不能1 治療開始時治療なし（治療開始前死亡、培検診断等）能 12. 判定不能2 治療開始時治療内容不明（入力手技の誤り、未把握等） 13. 判定不能3 治療開始時標準治療でない 14. 判定不能4 1年以内で治療完遂したが途中でINHあるいはRFP中止 15. 判定不能5 治療開始後まもないため判定の情報不十分。その他

前年新登録肺結核患者数 - 登録時総合患者分類コード、コホート観察、保健所別

(人)

		肺 結 核 活 動 性					
		総 数	喀 痰 塗 抹 陽 性			その他の結核菌陽性	菌陰性・その他
			総数	初回治療	再治療		
総 数	総 数	207 (100.0%)	113 (100.0%)	107 (100.0%)	6 (100.0%)	72 (100.0%)	22 (100.0%)
	治 癒 (%)	10 (4.8%)	9 (8.0%)	8 (7.5%)	1 (16.7%)	1 (1.4%)	0 (0.0%)
	治療完了 (%)	75 (36.2%)	37 (32.7%)	34 (31.8%)	3 (50.0%)	33 (45.8%)	5 (22.7%)
	死 亡 (%)	38 (18.4%)	22 (19.5%)	22 (20.6%)	0 (0.0%)	12 (16.7%)	4 (18.2%)
	治療失敗 (%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (1.4%)	0 (0.0%)
	脱落中断 (%)	36 (17.4%)	19 (16.8%)	19 (17.8%)	0 (0.0%)	8 (11.1%)	9 (40.9%)
	転 出 (%)	9 (4.3%)	5 (4.4%)	5 (4.7%)	0 (0.0%)	3 (4.2%)	1 (4.5%)
	12か月を越える治療 (%)	8 (3.9%)	6 (5.3%)	5 (4.7%)	1 (16.7%)	2 (2.8%)	0 (0.0%)
	判定不能 (%)	30 (14.5%)	15 (13.3%)	14 (13.1%)	1 (16.7%)	12 (16.7%)	3 (13.6%)
熊 本 市	総 数	78 (100.0%)	40 (100.0%)	37 (100.0%)	3 (100.0%)	28 (100.0%)	10 (100.0%)
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	治療完了 (%)	25 (32.1%)	15 (37.5%)	14 (37.8%)	1 (33.3%)	9 (32.1%)	1 (10.0%)
	死 亡 (%)	15 (19.2%)	7 (17.5%)	7 (18.9%)	0 (0.0%)	6 (21.4%)	2 (20.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	19 (24.4%)	9 (22.5%)	9 (24.3%)	0 (0.0%)	5 (17.9%)	5 (50.0%)
	転 出 (%)	4 (5.1%)	3 (7.5%)	3 (8.1%)	0 (0.0%)	1 (3.6%)	0 (0.0%)
	12か月を越える治療 (%)	2 (2.6%)	2 (5.0%)	1 (2.7%)	1 (33.3%)	0 (0.0%)	0 (0.0%)
	判定不能 (%)	13 (16.7%)	4 (10.0%)	3 (8.1%)	1 (33.3%)	7 (25.0%)	2 (20.0%)
有 明	総 数	26 (100.0%)	17 (100.0%)	15 (100.0%)	2 (100.0%)	7 (100.0%)	2 (100.0%)
	治 癒 (%)	1 (3.8%)	1 (5.9%)	0 (0.0%)	1 (50.0%)	0 (0.0%)	0 (0.0%)
	治療完了 (%)	12 (46.2%)	6 (35.3%)	5 (33.3%)	1 (50.0%)	6 (85.7%)	0 (0.0%)
	死 亡 (%)	6 (23.1%)	6 (35.3%)	6 (40.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	5 (19.2%)	2 (11.8%)	2 (13.3%)	0 (0.0%)	1 (14.3%)	2 (100.0%)
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	判定不能 (%)	2 (7.7%)	2 (11.8%)	2 (13.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)

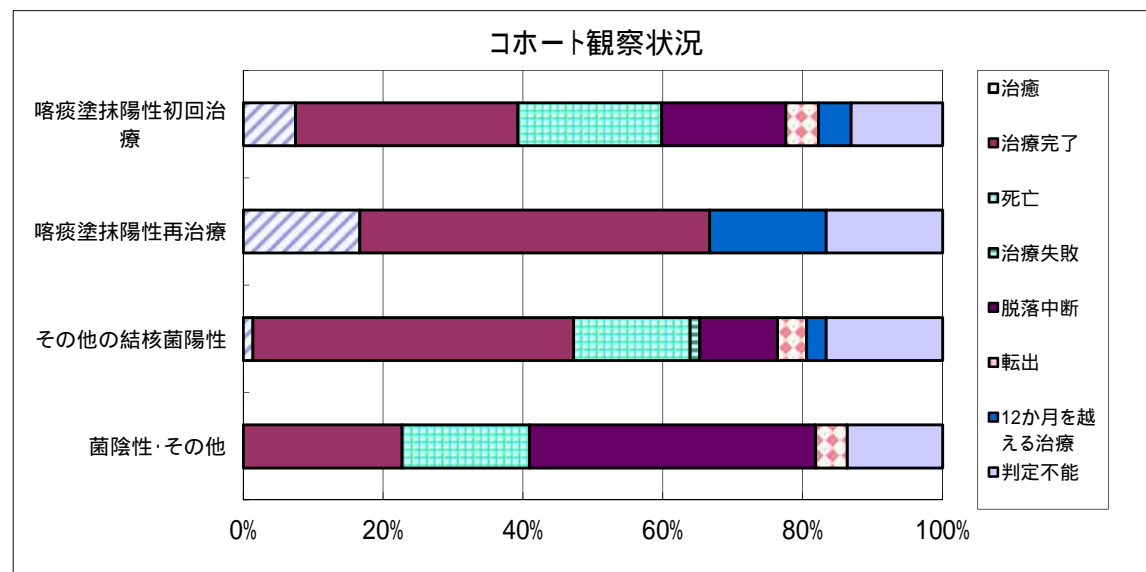
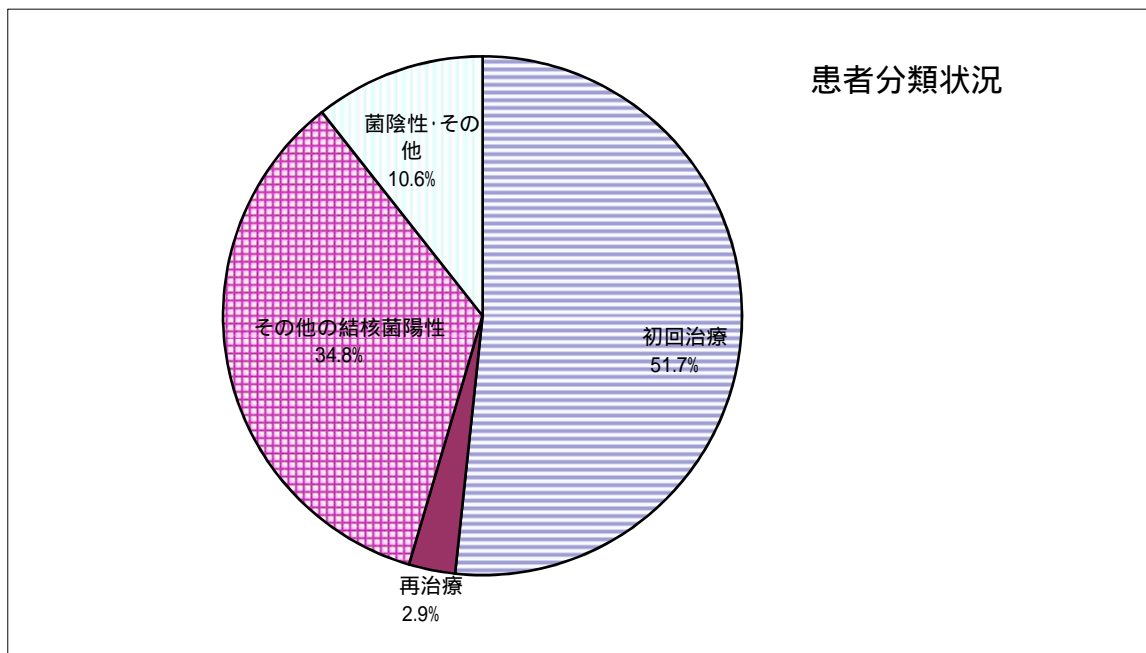
		肺 結 核 活 動 性					
		総 数	喀 痰 塗 抹 陽 性			その他の結核菌陽性	菌陰性・その他
			総数	初回治療	再治療		
山 鹿	総 数	10 (100.0%)	5 (100.0%)	5 (100.0%)	0 -	4 (100.0%)	1 (100.0%)
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	治療完了 (%)	1 (10.0%)	1 (20.0%)	1 (20.0%)	0 -	0 (0.0%)	0 (0.0%)
	死 亡 (%)	3 (30.0%)	2 (40.0%)	2 (40.0%)	0 -	1 (25.0%)	0 (0.0%)
	治療失敗 (%)	1 (10.0%)	0 (0.0%)	0 (0.0%)	0 -	1 (25.0%)	0 (0.0%)
	脱落中断 (%)	2 (20.0%)	2 (40.0%)	2 (40.0%)	0 -	0 (0.0%)	0 (0.0%)
	転 出 (%)	3 (30.0%)	0 (0.0%)	0 (0.0%)	0 -	2 (50.0%)	1 (100.0%)
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	判定不能 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
菊 池	総 数	12 (100.0%)	5 (100.0%)	5 (100.0%)	0 -	7 (100.0%)	0 -
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	治療完了 (%)	6 (50.0%)	2 (40.0%)	2 (40.0%)	0 -	4 (57.1%)	0 -
	死 亡 (%)	1 (8.3%)	1 (20.0%)	1 (20.0%)	0 -	0 (0.0%)	0 -
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	脱落中断 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	転 出 (%)	1 (8.3%)	1 (20.0%)	1 (20.0%)	0 -	0 (0.0%)	0 -
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	判定不能 (%)	4 (33.3%)	1 (20.0%)	1 (20.0%)	0 -	3 (42.9%)	0 -
阿 蘇	総 数	12 (100.0%)	6 (100.0%)	6 (100.0%)	0 -	4 (100.0%)	2 (100.0%)
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	治療完了 (%)	7 (58.3%)	4 (66.7%)	4 (66.7%)	0 -	2 (50.0%)	1 (50.0%)
	死 亡 (%)	2 (16.7%)	1 (16.7%)	1 (16.7%)	0 -	1 (25.0%)	0 (0.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	1 (8.3%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	1 (50.0%)
	転 出 (%)	1 (8.3%)	1 (16.7%)	1 (16.7%)	0 -	0 (0.0%)	0 (0.0%)
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	判定不能 (%)	1 (8.3%)	0 (0.0%)	0 (0.0%)	0 -	1 (25.0%)	0 (0.0%)

		肺 結 核 活 動 性					
		総 数	喀 痰 塗 抹 陽 性			その他の結核菌陽性	菌陰性・その他
			総数	初回治療	再治療		
御 船	総 数	7 (100.0%)	4 (100.0%)	4 (100.0%)	0 -	3 (100.0%)	0 -
	治 癒 (%)	1 (14.3%)	1 (25.0%)	1 (25.0%)	0 -	0 (0.0%)	0 -
	治療完了 (%)	4 (57.1%)	2 (50.0%)	2 (50.0%)	0 -	2 (66.7%)	0 -
	死 亡 (%)	1 (14.3%)	0 (0.0%)	0 (0.0%)	0 -	1 (33.3%)	0 -
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	脱落中断 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	12か月を越える治療 (%)	1 (14.3%)	1 (25.0%)	1 (25.0%)	0 -	0 (0.0%)	0 -
	判定不能 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
宇 城	総 数	9 (100.0%)	4 (100.0%)	4 (100.0%)	0 -	4 (100.0%)	1 (100.0%)
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	治療完了 (%)	5 (55.6%)	1 (25.0%)	1 (25.0%)	0 -	3 (75.0%)	1 (100.0%)
	死 亡 (%)	3 (33.3%)	2 (50.0%)	2 (50.0%)	0 -	1 (25.0%)	0 (0.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	1 (11.1%)	1 (25.0%)	1 (25.0%)	0 -	0 (0.0%)	0 (0.0%)
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	判定不能 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
八 代	総 数	18 (100.0%)	12 (100.0%)	11 (100.0%)	1 (100.0%)	5 (100.0%)	1 (100.0%)
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	治療完了 (%)	8 (44.4%)	5 (41.7%)	4 (36.4%)	1 (100.0%)	2 (40.0%)	1 (100.0%)
	死 亡 (%)	3 (16.7%)	2 (16.7%)	2 (18.2%)	0 (0.0%)	1 (20.0%)	0 (0.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	4 (22.2%)	2 (16.7%)	2 (18.2%)	0 (0.0%)	2 (40.0%)	0 (0.0%)
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	12か月を越える治療 (%)	1 (5.6%)	1 (8.3%)	1 (9.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	判定不能 (%)	2 (11.1%)	2 (16.7%)	2 (18.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)

		肺 結 核 活 動 性					
		総 数	喀 痰 塗 抹 陽 性			その他の結核菌陽性	菌陰性・その他
			総数	初回治療	再治療		
水 俣	総 数	7 (100.0%)	2 (100.0%)	2 (100.0%)	0 -	4 (100.0%)	1 (100.0%)
	治 癒 (%)	2 (28.6%)	1 (50.0%)	1 (50.0%)	0 -	1 (25.0%)	0 (0.0%)
	治療完了 (%)	3 (42.9%)	0 (0.0%)	0 (0.0%)	0 -	3 (75.0%)	0 (0.0%)
	死 亡 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	1 (14.3%)	1 (50.0%)	1 (50.0%)	0 -	0 (0.0%)	0 (0.0%)
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	判定不能 (%)	1 (14.3%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	1 (100.0%)
人 吉	総 数	8 (100.0%)	7 (100.0%)	7 (100.0%)	0 -	1 (100.0%)	0 -
	治 癒 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	治療完了 (%)	1 (12.5%)	1 (14.3%)	1 (14.3%)	0 -	0 (0.0%)	0 -
	死 亡 (%)	1 (12.5%)	1 (14.3%)	1 (14.3%)	0 -	0 (0.0%)	0 -
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	脱落中断 (%)	2 (25.0%)	2 (28.6%)	2 (28.6%)	0 -	0 (0.0%)	0 -
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 -
	12か月を越える治療 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	1 -
	判定不能 (%)	4 (50.0%)	3 (42.9%)	3 (42.9%)	0 -	1 (100.0%)	0 -
天 草	総 数	20 (100.0%)	11 (100.0%)	11 (100.0%)	0 -	5 (100.0%)	4 (100.0%)
	治 癒 (%)	6 (30.0%)	6 (54.5%)	6 (54.5%)	0 -	0 (0.0%)	0 (0.0%)
	治療完了 (%)	3 (15.0%)	0 (0.0%)	0 (0.0%)	0 -	2 (40.0%)	1 (25.0%)
	死 亡 (%)	3 (15.0%)	0 (0.0%)	0 (0.0%)	0 -	1 (20.0%)	2 (50.0%)
	治療失敗 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	脱落中断 (%)	1 (5.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	1 (25.0%)
	転 出 (%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 -	0 (0.0%)	0 (0.0%)
	12か月を越える治療 (%)	4 (20.0%)	2 (18.2%)	2 (18.2%)	0 -	2 (40.0%)	0 (0.0%)
	判定不能 (%)	3 (15.0%)	3 (27.3%)	3 (27.3%)	0 -	0 (0.0%)	0 (0.0%)

前年新登録肺結核患者数－登録時総合患者分類コード、コホート観察

	総数	* 喀痰塗抹陽性			その他の結核菌陽性	菌陰性・その他
		総数	初回治療	再治療		
総数	207	113	107	6	72	22
治癒	10	9	8	1	1	0
治療完了	75	37	34	3	33	5
死亡	38	22	22	0	12	4
治療失敗	1	0	0	0	1	0
脱落中断	36	19	19	0	8	9
転出	9	5	5	0	3	1
12か月を越える治療	8	6	5	1	2	0
判定不能	30	15	14	1	12	3



### 保健所別治療成績

	総数	熊本市	有明	山鹿	菊池	阿蘇	御船	宇城	八代	水俣	人吉	天草
総数	207	78	26	10	12	12	7	9	18	7	8	20
治癒	10	0	1	0	0	0	1	0	0	2	0	6
治療完了	75	25	12	1	6	7	4	5	8	3	1	3
死亡	38	15	6	3	1	2	1	3	3	0	1	3
治療失敗	1	0	0	1	0	0	0	0	0	0	0	0
脱落中断	36	19	5	2	0	1	0	1	4	1	2	1
転出	9	4	0	3	1	1	0	0	0	0	0	0
12か月を越える治療	8	2	0	0	0	0	1	0	1	0	0	4
判定不能	30	13	2	0	4	1	0	0	2	1	4	3

