



Practical approach and management of pulmonary tuberculosis

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Pulmonary tuberculosis

- Epidemiology
- Pathogenesis
- Diagnosis
- Management
- Case contact



Epidemiology

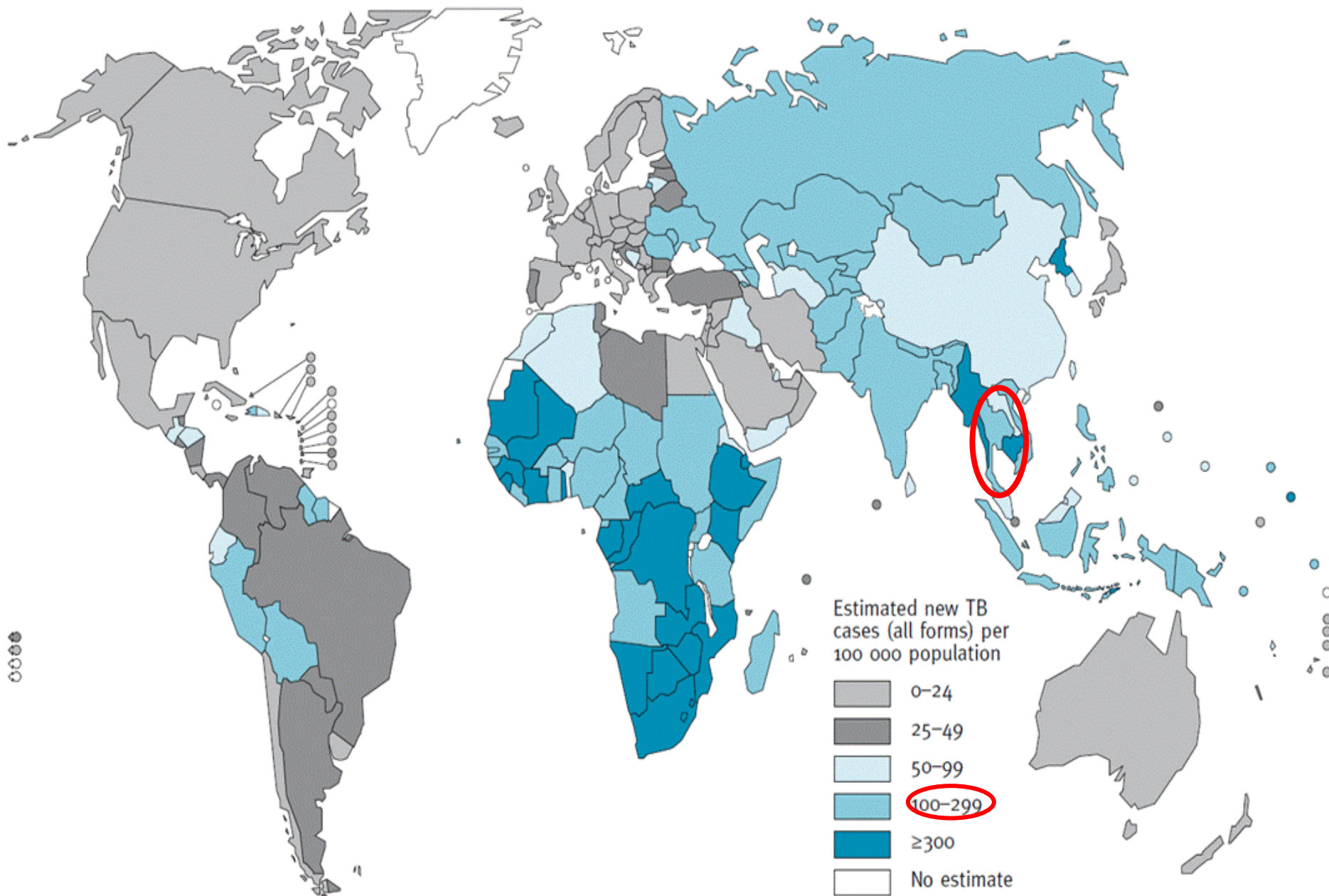


FIGURE 1

WHO REPORTED TB INCIDENCE RATES

Estimated TB incidence rates, by country, 2009

High burden countries 19/22



Thailand



Tuberculosis profile

| High TB burden | High HIV burden |

Population 2009 (millions)

68

Estimates of burden * 2009	Number (thousands)	Rate (per 100 000 pop)
Mortality (excluding HIV)	12 (7.2–18)	18 (11–27)
Prevalence (incl HIV)	130 (57–210)	189 (84–315)
Incidence (incl HIV)	93 (75–110)	137 (111–165)
Incidence (HIV-positive)	16 (11–22)	23 (16–32)
Case detection, all forms (%)	69 (57–85)	

Case notifications 2009

New cases	(%)	Retreatment cases	(%)
Smear-positive	32 810 (53)	Relapse	1 964 (50)
Smear-negative	20 058 (32)	Treatment after failure	575 (15)
Smear unknown		Treatment after default	726 (18)
Extrapulmonary	9 143 (15)	Other	664 (17)

Other

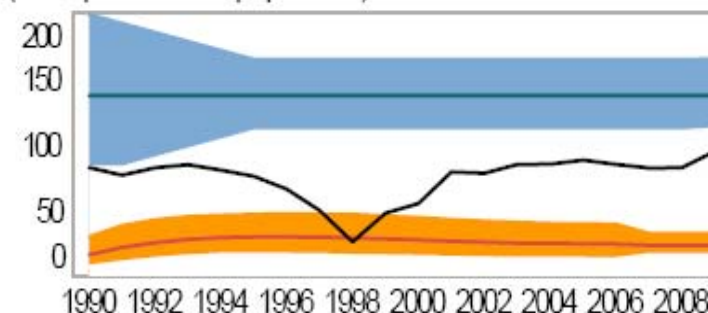
Total new	62 011	Total retreatment	3 929
Total < 15 years	123		

Total new and relapse	63 975	(97% of total)
Total cases notified	65 940	

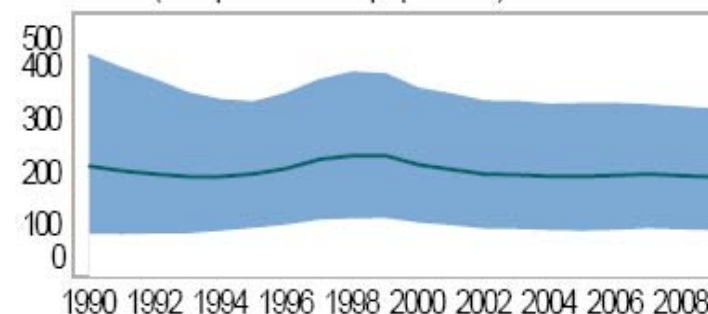
Drug regimens

Rifampicin used throughout treatment	Yes
% of patients treated with fixed-dose combinations (FDCs)	21
Paediatric formulations procured	No

Incidence (HIV+TB in orange), notifications (black)
(rates per 100 000 population)



Prevalence (rate per 100 000 population)



Mortality excluding HIV
(rate per 100 000 population)

