

TB-HIV in children



THE UNIVERSITY OF
SYDNEY



Sydney Institute for Emerging Infectious Diseases & Biosecurity



Ben Marais

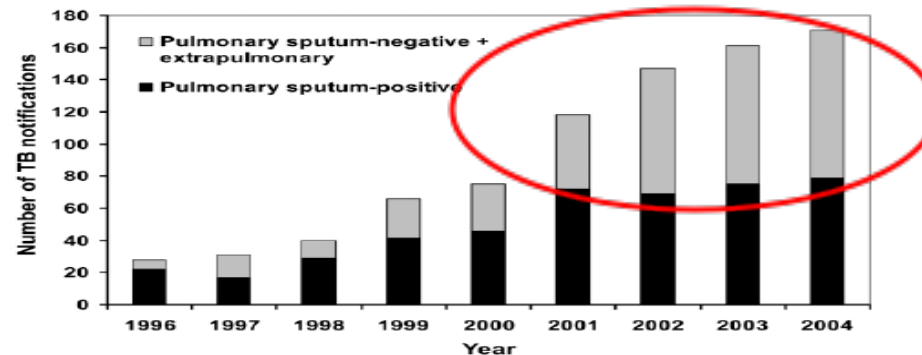
Sydney Institute for Emerging
Infectious Diseases & Biosecurity



Masiphumelele



Increasing TB/HIV Burden

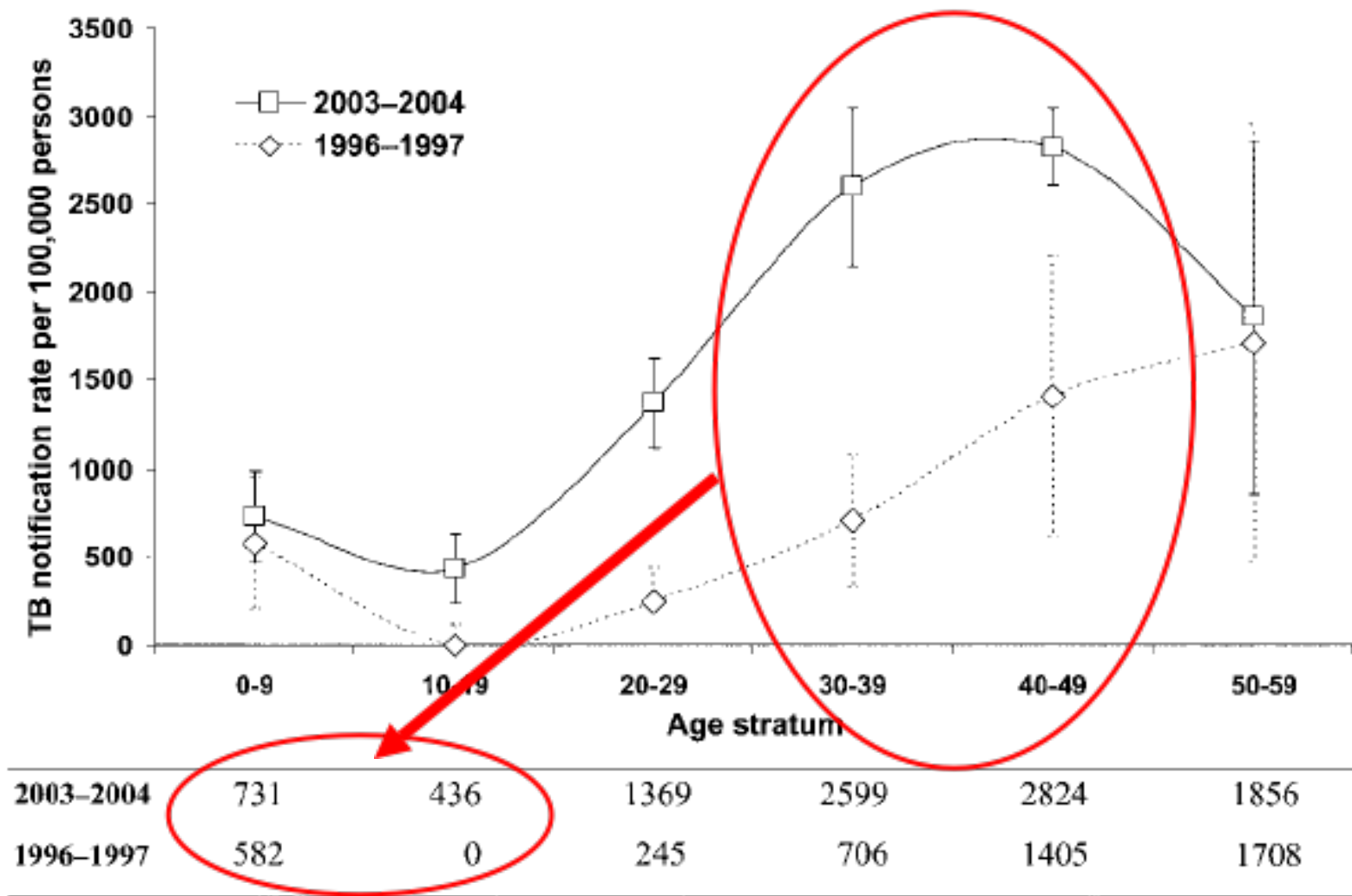


Year	No. of TB notifications	Population size	TB notification rate, cases/100,000 persons ^a	TB re-treatment rate, % ^b	Estimated prevalence of HIV infection, %
1996	32	5518	580	3	6.3
1997	42	6429	653	21	8.9
1998	67	7339	913	7	11.6
1999	74	8250	897	20	14.2
2000	90	9161	982	17	16.5
2001	142	10,071	1410	15	18.4
2002	150	10,982	1366	18	19.9
2003	175	11,892	1472	22	21.1
2004	188	12,803	1468	24	21.9

^a $P = .007$, by test for trend.

^b $P = .073$, by test for trend.

TB - Age & Gender shift



HIV prevalence in
general population:

3-4% 0-9y

25% 20-39y

Millennium Development Goals





**Both TB and HIV are:
family diseases; preventable;
require strong maternal & child health links**



- ▶ **NEW YORK 9 June 2011**—World leaders gathered in New York to launch a **Global Plan**
 - to eliminate new HIV infections among children by 2015
- ▶ “Nearly every minute, a child is born with HIV. Preventing new HIV infections among children is truly a smart investment ...”
- ▶ What is needed is leadership, shared responsibility and concerted action ... to make an **AIDS-free generation a reality.**

ZERO NEW INFECTIONS



Born **HIV** Free