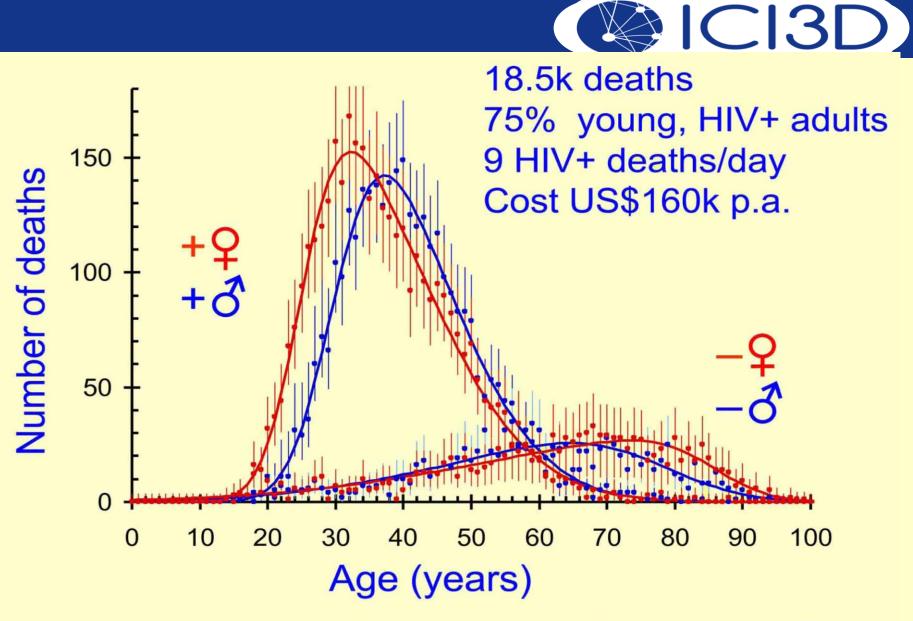


Death in Baragwanath: The impact of HIV

Brian Williams



HIV+ Deaths in Baragwanath 2006–2009

http://tinyurl.com/BG0022

| | | | IC | 513 | SD, |
|---|---|---|--|--|--|
| Numt Condtion | | Negative | Positive | Unknown | Suspected |
| 509 | Infectious gastroenteritis and colitis, unspecified | l 19 | 366 | 61 | 63 |
| 685 Certain infectious and parasitic diseases | Lung | 18 | 3 565 | 5 48 | 54 |
| 736 Certain infectious and parasitic diseases | Lung without confirmation | 38 | 3 557 | 64 | 77 |
| 364 Certain infectious and parasitic diseases | Meningitis | 10 |) 295 | 5 25 | 34 |
| 473 Certain infectious and parasitic diseases | Bones | 17 | 7 394 | 23 | 39 |
| 95 Certain infectious and parasitic diseases | Milliary | 4 | 4 82 | 3 | 6 |
| 17 Certain infectious and parasitic diseases | Pulmonary mycobacterial | 0 | 16 | 0 | 1 |
| 1 Certain infectious and parasitic diseases | Listeriosis | 1 | 1 0 |) 0 | 0 |
| 2 Certain infectious and parasitic diseases | Tetanus | 0 |) 0 | 2 | 0 |
| 3 Certain infectious and parasitic diseases | Meningococcal meningitis | 0 | 2 | . 1 | 0 |
| 4 Certain infectious and parasitic diseases | Streptococcal sepsis | 0 | / 1 | 2 | 1 |
| 889 Certain infectious and parasitic diseases | Other sepsis | 152 | 2 454 | 194 | 89 |
| 2 Certain infectious and parasitic diseases | Bacterial infection, unspecified site | 0 | 2 | 2 0 | 0 |
| 1 Certain infectious and parasitic diseases | | 0 |) () | / 1 | 0 |
| 6 Certain infectious and parasitic diseases | | 0 |) 6 | 0 | 0 |
| 1 Certain infectious and parasitic diseases | | 0 | / 1 | 0 | 0 |
| 1 Certain infectious and parasitic diseases | | 0 |) 0 | 0 | 1 |
| 1 Certain infectious and parasitic diseases | | 0 | / 1 | 0 | 0 |
| 20 Certain infectious and parasitic diseases | Varicella (chicken pox) | 1 | 1 11 | 4 | 4 |
| 1 Certain infectious and parasitic diseases | Herpes zoster | 0 | / 1 | 0 | 0 |
| 7 Certain infectious and parasitic diseases | Herpes virus | 0 | , 4 | 2 | 1 |
| 9 Certain infectious and parasitic diseases | Acute hepatitis | 2 | . 5 | 2 | 0 |
| 2 Certain infectious and parasitic diseases | Acute hepatitis | 0 | / 1 | 1 | 0 |
| 1 Certain infectious and parasitic diseases | Chronic hepatitis | 1 | 1 0 |) 0 | 0 |
| A Contain infactious and parasitis disasses | HIV | 0 |) 4 | L 0 | 0 |
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- 18.5 k deaths with 355 different codes
- Group them into important AIDS related diseases
- We need a control group
- Work out odds for each condition

$$\Omega_{\rm TB} = \frac{N(\rm HIV + |TB)}{N(\rm HIV - |TB)} \qquad \Omega_{\rm C} = \frac{N(\rm HIV + |C)}{N(\rm HIV - |C)}$$

and then the odds ratio $\mathrm{OR} = \frac{\Omega_{\mathrm{TB}}}{\Omega_{\mathrm{C}}}$

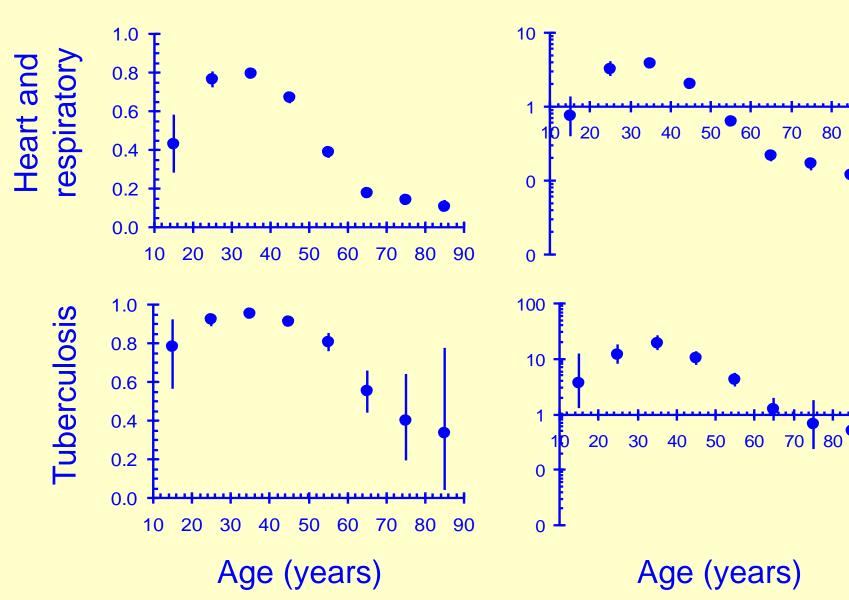


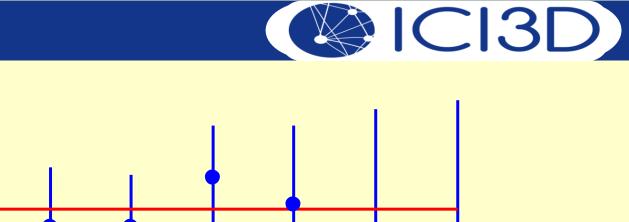
90

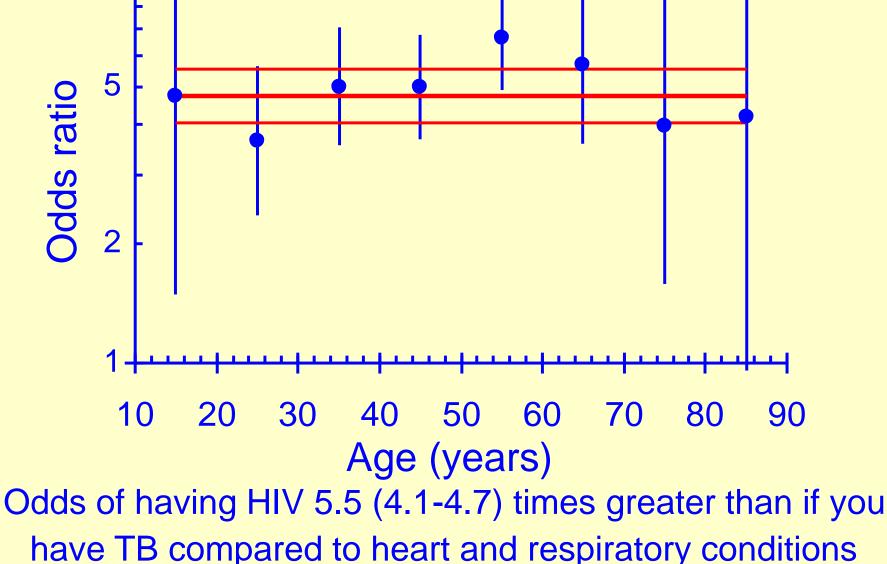
90

Prevalence

Odds







10-



Problems

- Decide how to group the data into conditions associated with HIV
- Decide on the control conditions
- Need reasonable numbers in each group
- Have to control for age
- We would like to control for sex