TB Epidemic

About one third of AIDS patients in Africa have



Most HIV+ people who die, die from TB



- 22 countries considered TB high-burden
- SA is #4 for total number of TB patients
- SA has 3x higher TB than rest of Africa
- KZN also has highest # TB patients in SA
- KZN worst treatment success 64% (SA 70%)

NTP = National TB Program

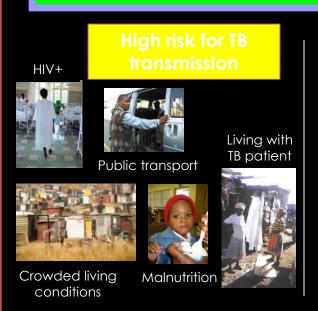
AIMS

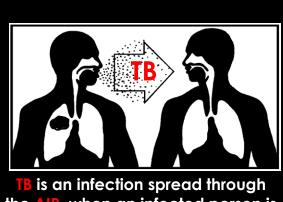
- Case detection rate 70% (40%)
- Cure rate 85% (KZN 45%)
- Treatment success over 85% (KZN 64%)

TB Basics

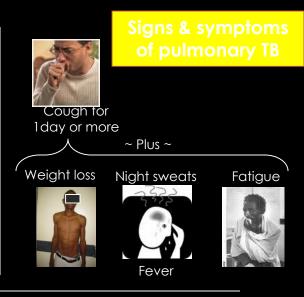
Basics of TB

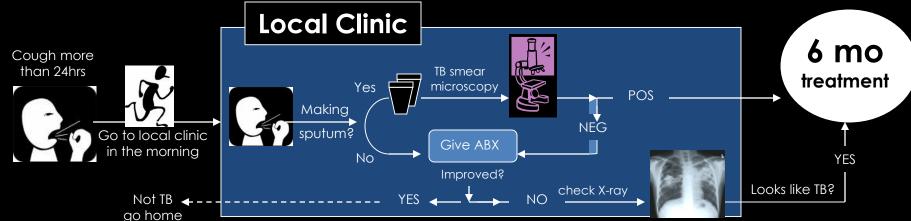
Risks, transmission, signs & symptoms, seeking care





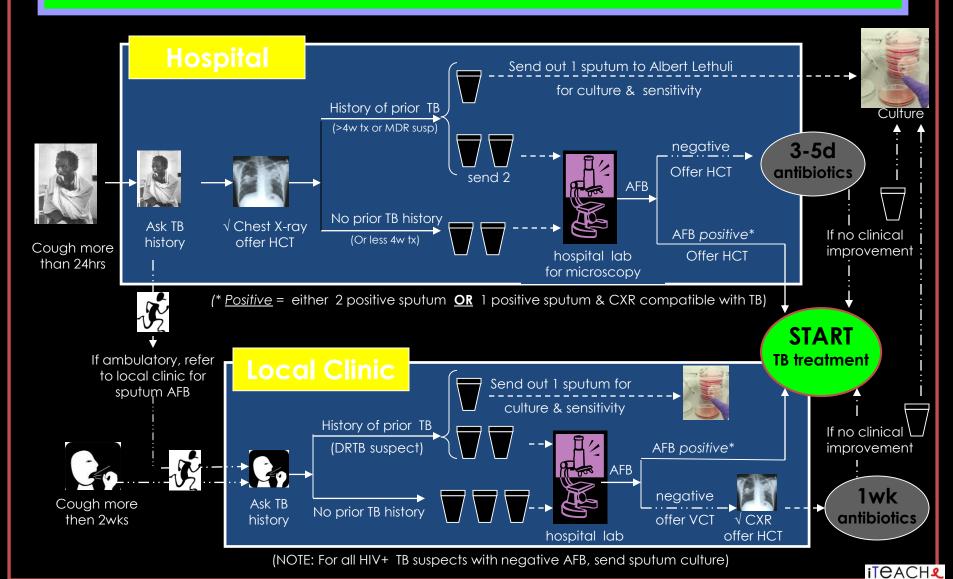
TB is an infection spread through the AIR, when an infected person is coughing, sneezing, singing. It is not spread on spoons, forks, plates, touch, bath, etc.





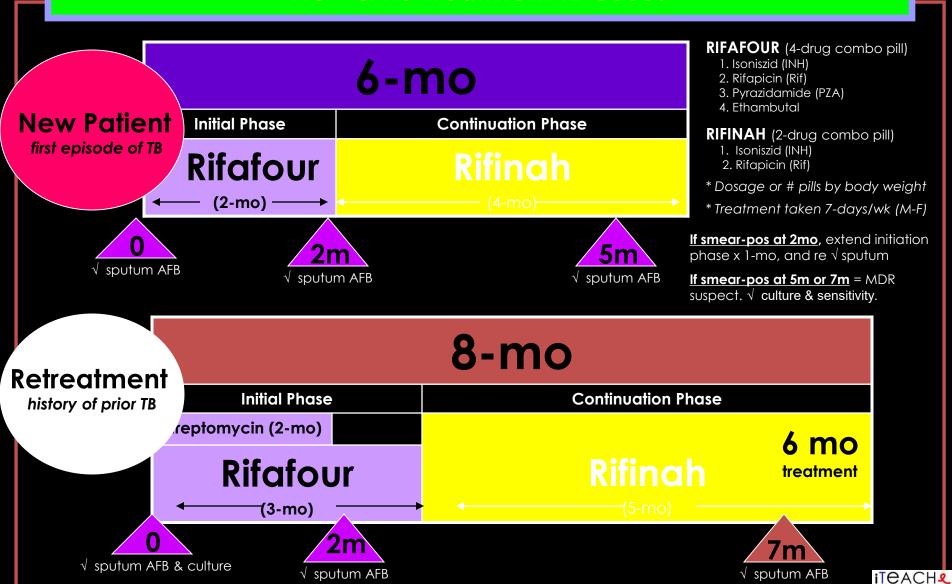
TB diagnosis

Inpatient & Primary care Diagnosis & Management



TB treatment

New & Re-treatment TB cases



TB & HIV basics

Transmission risk, co-treatment & side-effects

HIV makes you more vulnerable to TB

TB risk everv for HIV+



ΤВ 2-5 % risk every 2-yrs for HIV (-)

TB-HIV co-infection rates in SA are extremely high



Over 70% of TB patients in SA are HIV co-infected



Up to 90% of hospitalized patients in KZN are HIV+

makes you progress to AIDS more quickly

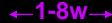
- more frequent OI's
- lowers CD4 count
- increases VL
- higher mortality



INITIATING TB & ARV CO-TREATMENT: Patients found to be TB co-infected will receive TB treatment for 2-months before starting ARVs – to decrease chance of IRS and diminish risk of drug side-effects. For patients with CD4 count <350, ARVs may be initiated sooner than 2-months because of the high mortality from TB in advanced AIDS.

TB treatment

ARVs



LIVER TOXICITY: Watch for drug-induced hepatitis, especially during 1st 8wks of cotreatment. Most commonly due to NVP and/or Rifampicin. Consult specialist. May need to change NVP to Efavirenz. If severe, may need to discontinue treatment & re-challenge.

CO-TREATMENT

Challenges







Pill burden Lack of food

No money for transport

Drug side-effects





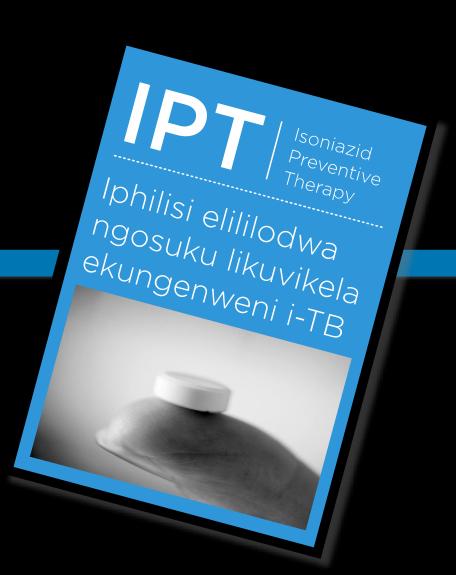


Rash



Nausea

Isoniazid Preventive Therapy



Guidelines for
Tuberculosis Preventive
Therapy Among HIV
Infected Individuals in
South Africa

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health

REPUBLIC OF SOUTH AFRICA

May 2010

HIV in South Africa





4-times TB





...of TB patients in South Africa are co-infected with HIV



- 40% of deaths are due to TB
- TB #1 cause of death in HIV+ patients
- TB accelerates progression to AIDS

• Critical to prevent TB in those most at risk



TB preventive therapy is an intervention that should be part of the package of care for people living with HIVAIDS. TB preventive therapy should be offered if the following prerequisites have been met:

- 1. High quality HCT is available
- Patients can be screened for active TB disease before initiation of IPT
- Patients on IPT can be followed-up and monitored monthly to encourage adherence, address side-effects and exclude active TB disease
- 4. The HIV/AIDS programme takes responsibility to implementing
- 5. There is strong collaboration between the HIV/AIDS and TB programmes at the site



HCWs in KZN 6-times more at risk

Isoniazid Preventive Therapy

Iphilisi elililodwa ngosuku likuvikela ekungenweni i-TB



2. Iminingwane nge IPT



Iphilisi elilodwa nsukuzonke 300 mg Isoniazid



Uliphuza izinyanga eziyisithupha



Lehlisa amathuba okubasengcupheni yokungenwa yi-TB

Kukhona ingcosana yabantu engase ingenwe i-TB Nakuba belithatha leliphilisi le IPT









3. Ukuqala i-IPT

Qala i-Pyradoxine uma u-thatha i-IPT, ukwehlisa ubuhlungu bezinyawo (peripheral neuropathy) obubangwa Isiniazid



