



health

Department:  
Health  
REPUBLIC OF SOUTH AFRICA



# **NATION-WIDE SCALE UP OF TB/HIV COLLABORATIVE ACTIVITIES: Secrets of South Africa!**

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# HOW DOES OUR TB BURDEN COMPARE GLOBALLY?

- WHO estimates South Africa's incidence to be 1% of population
  - =500,000
- We registered about 400,000 TB cases in 2011
- But incidence ranked third in 2010 after India and China, among HBCs
- Adjusted for population, incidence is 981/100,000 making us No1!



# HOW ARE WE RESPONDING?

- New National Strategic Plan that:
  - For the 1<sup>st</sup> time, addresses both TB & HIV
  - Ambitious with 20 year vision of Zeros for both TB & HIV:
    - Zero new TB/HIV infections
    - Zero TB/HIV mortality
    - Zero TB/HIV stigma
    - Zero TB/HIV discrimination



# GAME CHANGERS?

- Build on efforts to screen, test & enroll on ARVs millions (HCT)
  - No more than 2 working days from suspicion to enrollment on treatment
  - Decentralise ARVs provision
- Trace all contacts
  - Account for every index case at household & community level
- Roll-out rapid diagnostics for TB
  - Genexpert



# HOW ARE WE DOING? EXPANSION OF ARV SERVICES IN 2012

| Province   | Fixed public health facilities | Fixed health facilities with ART services | %           |
|------------|--------------------------------|---|-------------|
| <b>EC</b>  | 842                            | 755                                       | 89.7        |
| <b>FS</b>  | 254                            | 201                                       | 79.1        |
| <b>GP</b>  | 396                            | 340                                       | 85.9        |
| <b>KZN</b> | 628                            | 628                                       | 100.0       |
| <b>LP</b>  | 483                            | 483                                       | 100.0       |
| <b>MP</b>  | 316                            | 295                                       | 93.4        |
| <b>NC</b>  | 173                            | 173                                       | 100.0       |
| <b>NW</b>  | 326                            | 198                                       | 60.7        |
| <b>WC</b>  | 330                            | 177                                       | 53.6        |
| <b>ZA</b>  | <b>3,748</b>                   | <b>3,250</b>                              | <b>86.7</b> |



# HOW ARE WE DOING? HIV TESTING 2011/12

| Province | No. tested for HIV - Target for 2011/12 | Total tested for HIV in 2011/12 | % Uptake against target |
|----------|---|---------------------------------|-------------------------|
| EC       | 1,165,770                               | 914,494                         | 78%                     |
| FS       | 540,043                                 | 717,854                         | 133%                    |
| GP       | 2,057,581                               | 1 326,187                       | 64%                     |
| KZN      | 1,844,619                               | 2,501,027                       | 136%                    |
| LP       | 902,474                                 | 1,284,324                       | 142%                    |
| MP       | 645,632                                 | 601,147                         | 93%                     |
| NC       | 201,769                                 | 200,494                         | 99%                     |
| NW       | 616,383                                 | 1,585,550                       | 257%                    |
| WC       | 996,838                                 | 778,199                         | 78%                     |
| ZA       | 8,971,108                               | 9,791,153                       | 109%                    |



# HOW ARE WE DOING? TB SCREENING OF HIV+s - 2011/12

| Province               | Target           | Total            | %           |
|------------------------|------------------|------------------|-------------|
| EC                     | 176,314          | 95,310           | 54.1        |
| FS                     | 89,862           | 288,305          | 320.8       |
| GP                     | 314,810          | 197,770          | 62.8        |
| KZN                    | 315,363          | 372,379          | 118.1       |
| LP                     | 138,078          | 110,603          | 80.1        |
| MP                     | 98,782           | 82,163           | 83.2        |
| NC                     | 22,816           | 26,387           | 115.7       |
| NW                     | 94,307           | 81,405           | 86.3        |
| WC                     | 117,810          | 32,982           | 28.0        |
| <b>ZA</b> <sup>7</sup> | <b>1,368,143</b> | <b>1,287,304</b> | <b>94.1</b> |



# HOW ARE WE DOING? TRACING CONTACTS

|                              | Total   |
|------------------------------|---------|
| Number of households visited | 105,179 |
| Number of index cases found  | 30,694  |
| Number screened              | 151,671 |
| Number of TB suspects found  | 72,687  |
| Number of TB confirmed cases | 3,000   |

- ❑ **105,179 households were visited and 151,638 persons were screened for TB**
- ❑ **3,000 reported confirmed TB cases**



# HOW ARE WE DOING? ROLL-OUT OF GXP

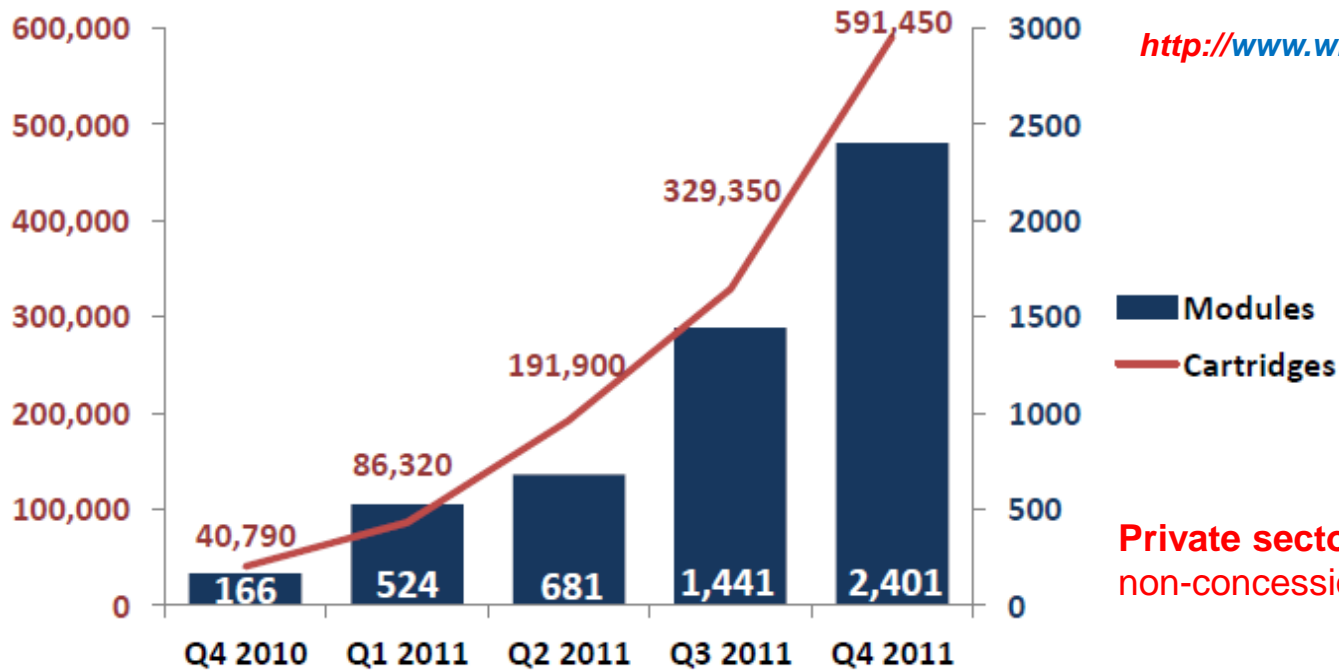
72 testing centres  
104 analysers  
\*20 clinic placements  
Gx4: 49  
Gx16: 54  
GX48:1





By the end of 2011, a total of 460 GeneXpert machines (comprising 2,401 modules) and 591,450 Xpert test cartridges had been procured in 47 countries under concessional pricing.

**Cumulative number of GeneXpert modules and Xpert MTB/RIF cartridges procured under concessional pricing**



<http://www.who.int/tb/laboratory/>

Private sector in SA: ~48 000 non-concessional pricing

Over half of the Xpert MTB/RIF cartridges (330,540 cartridges) have been procured for use in South Africa alone, followed by Pakistan (21,440), Kenya (20,140), the Philippines (17,440) and Swaziland (16,600). Data by country.



# HOW ARE WE DOING? GXP TESTS (MARCH TO JULY 2012)

| Laboratory | MTB Detected  | MTB Not Detected | Test Unsuccessful | Total          | % MTB Detected |
|------------|---------------|------------------|-------------------|----------------|----------------|
| EC         | 9,334         | 47,579           | 1,985             | 58,898         | 15.85          |
| FS         | 8,035         | 47,870           | 158               | 56,063         | 14.33          |
| GP         | 6,857         | 46,326           | 1,049             | 54,232         | 12.64          |
| KZN        | 24,287        | 103,732          | 3,937             | 131,956        | 18.41          |
| LP         | 3,430         | 28,955           | 398               | 32,783         | 10.46          |
| MP         | 4,340         | 22,252           | 1,659             | 28,251         | 15.36          |
| NW         | 4,525         | 23,726           | 1,427             | 29,678         | 15.25          |
| NC         | 4,906         | 25,709           | 833               | 31,448         | 15.60          |
| WC         | 8,246         | 41,037           | 142               | 49,425         | 16.68          |
| <b>RSA</b> | <b>73,960</b> | <b>387,186</b>   | <b>11,588</b>     | <b>472,734</b> | <b>15.65</b>   |
| <b>%</b>   | <b>15.65</b>  | <b>81.90</b>     | <b>2.45</b>       |                | <b>100</b>     |



# HOW ARE WE DOING? TB+s TESTED FOR HIV IN 2011/12

| Province   | Target         | Tested         | %            |
|------------|----------------|----------------|--------------|
| <b>EC</b>  | 20,569         | 21,651         | 105.3        |
| <b>FS</b>  | 6,679          | 13,323         | 199.5        |
| <b>GP</b>  | 30,627         | 35,402         | 115.6        |
| <b>KZN</b> | 70,336         | 66,679         | 94.8         |
| <b>LP</b>  | 14,417         | 17,141         | 118.9        |
| <b>MP</b>  | 14,253         | 14,956         | 104.9        |
| <b>NC</b>  | 3,972          | 4,901          | 123.4        |
| <b>NW</b>  | 14,706         | 14,541         | 98.9         |
| <b>WC</b>  | 34,898         | 41,412         | 118.7        |
| <b>ZA</b>  | <b>210,457</b> | <b>230,006</b> | <b>109.3</b> |



# HOW ARE WE DOING? ARVS & MORTALITY LEKWA, MP

| <b>Year</b> | <b>% TB patients knowing HIV status</b> | <b>% on ARVs</b> | <b>Crude mortality</b> |
|-------------|---|------------------|------------------------|
| <b>2008</b> | 4.0%                                    | 0%               | 16.3%                  |
| <b>2009</b> | 30.5%                                   | 20.9%            | 11.5%                  |
| <b>2010</b> | 63.7%                                   | 30.9%            | 3.3%                   |
| <b>2011</b> | 77.6%                                   | 42.6%            | 0.0%                   |



# SO, WHAT IS THE SECRET?

- None! Common sense!
  - Return to basics and embrace new applicable technologies as they become available!
- Response must be commensurate to the magnitude of the problem
- Maybe more importantly:
  - A caring, committed and dynamic leadership at political level =
    - Minister Aaron Motsoaledi