

BPaL L Regimen (Bedaquiline, Pretomanid Linezolid and Levofloxacin)



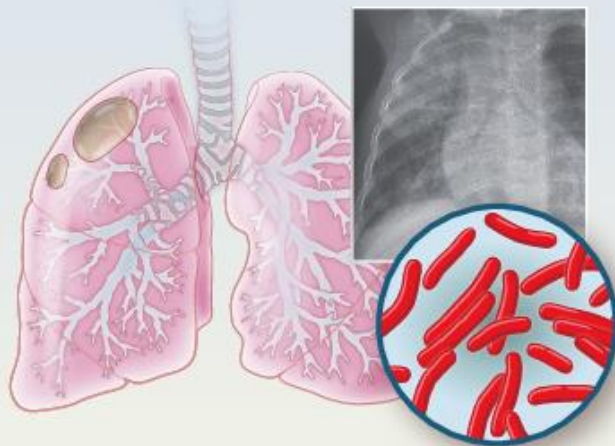
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Treatment of Highly Drug-Resistant Pulmonary TB

NIX-TB, AN OPEN-LABEL, SINGLE-GROUP STUDY

109 Patients
with confirmed tuberculosis



Three-drug regimen (26 wk)

Bedaquiline



Pretomanid
(recently approved)



Linezolid



**XDR
tuberculosis**

N=71
(65%)

**Nonresponsive or
treatment-intolerant
MDR tuberculosis**

N=38
(34%)

**Clinical resolution at
6 mo after therapy**

90% of all patients had favorable outcomes

89%

95% CI, 83–95

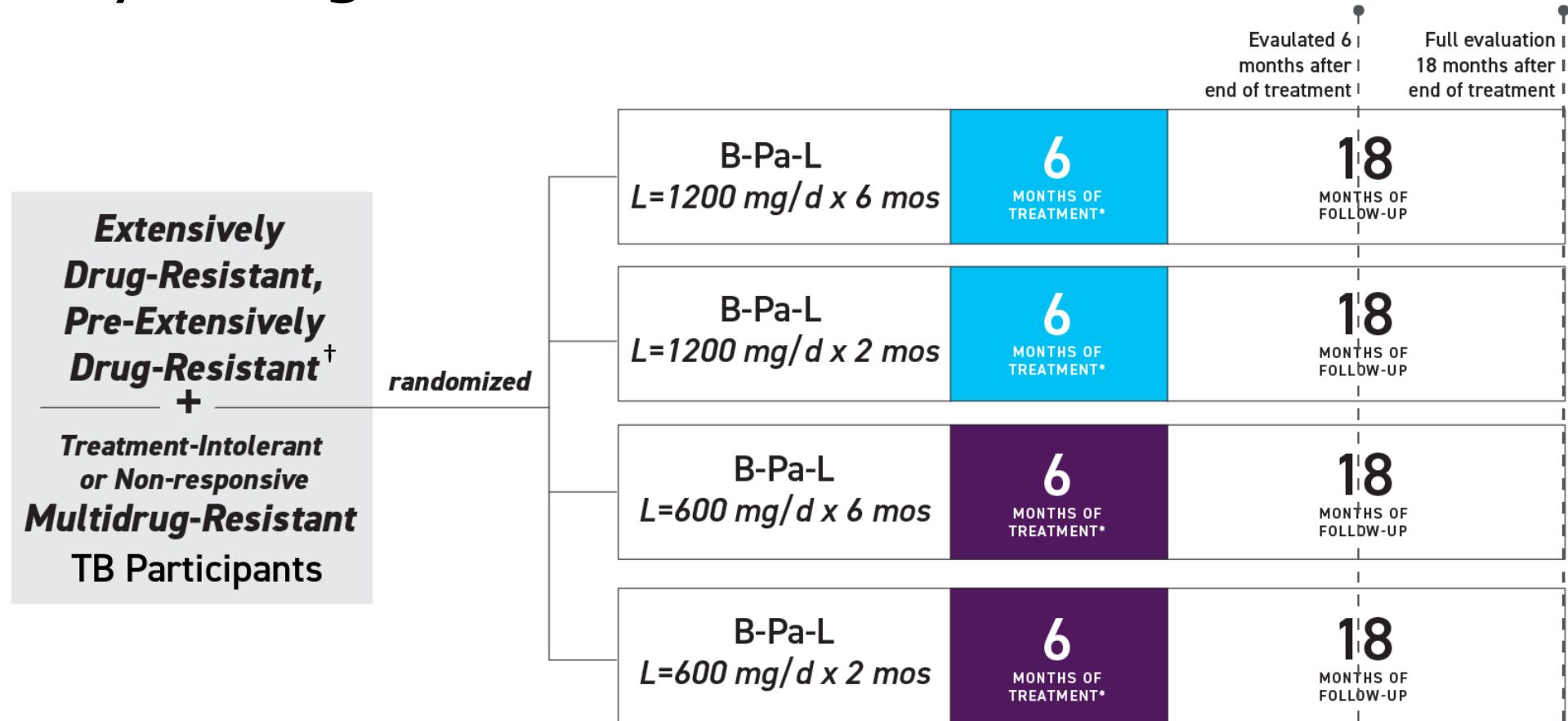
95% CI, 79–95

92%

95% CI, 79–98

Linezolid associated with peripheral neuropathy (81%) and myelosuppression (48%)

Study Design



*Additional 3 months if sputum culture positive between week 16 and week 26 treatment visits

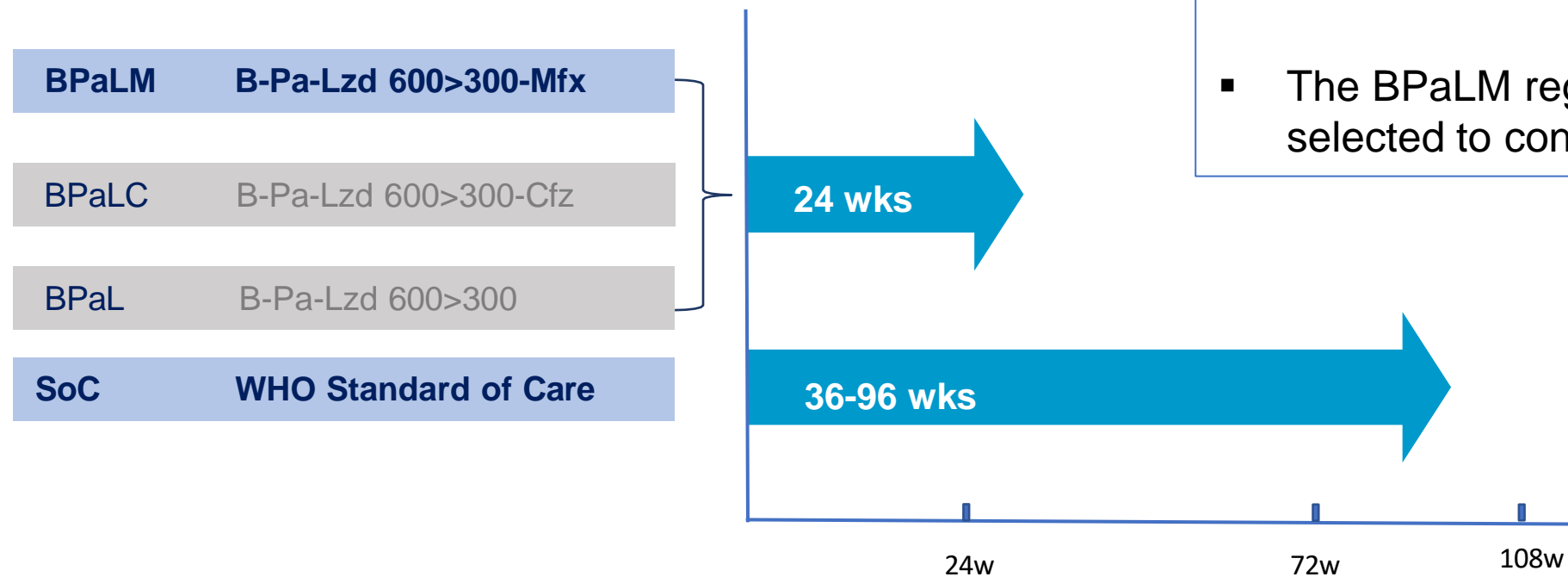
Pa pretomanid dose = 200 mg daily

B bedaquiline dose = 200 mg x 8 weeks, then 100 mg x 18 weeks

[†] Pre-2021 WHO Definitions of XDR-TB and Pre-XDR-TB

TRIAL DESIGN

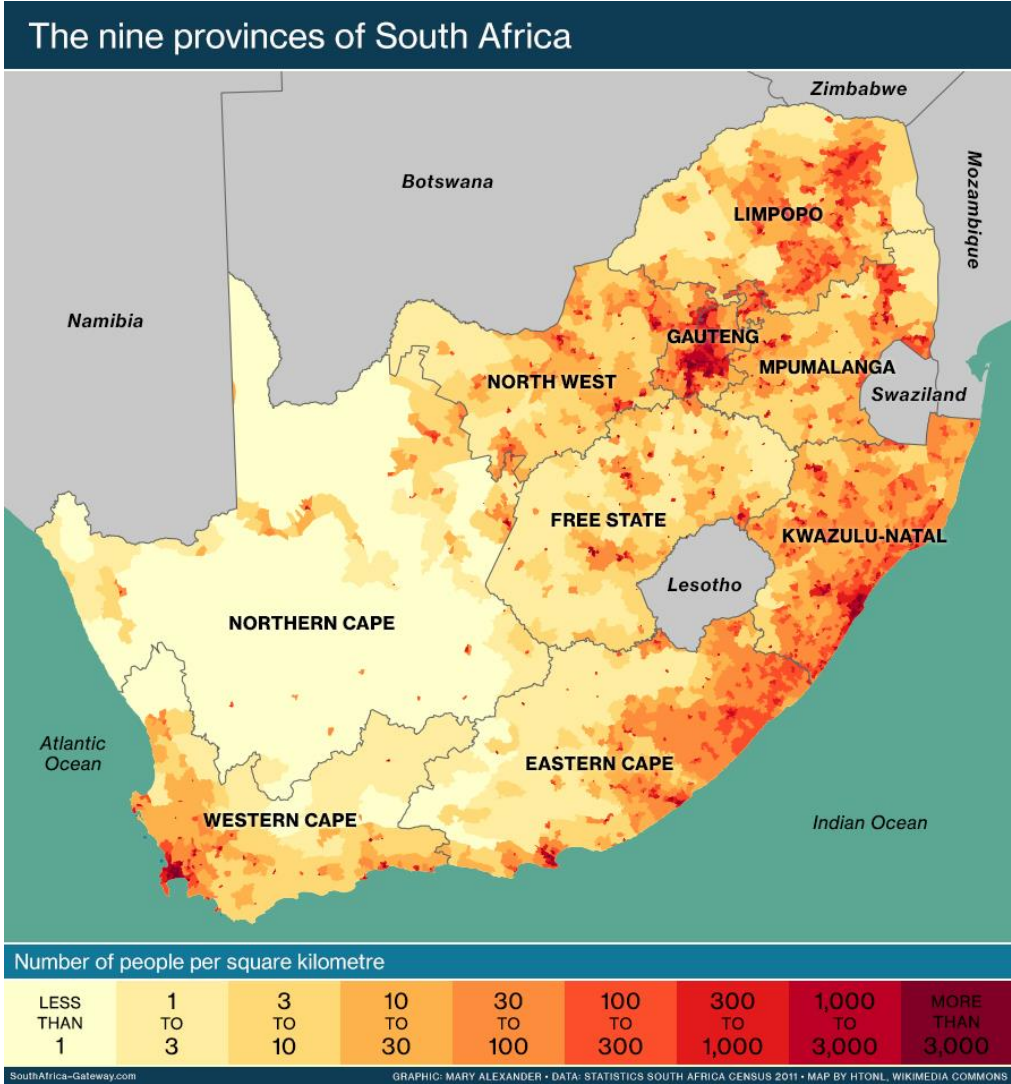
- All 3 investigational arms met criteria for stage 2 eligibility.
- No major safety signals were detected.
- The BPaLM regimen was selected to continue to stage 2.



BPaL Clinical Access Program



South Africa burden of disease



Population
60,511,300
0.76% of the world's
population
3% of the Worldwide
TB burden

Inclusion criteria for the BPaL CAP

Age 14+

Pulmonary RR-TB diagnosis with quinolone resistance (PreXDR-TB) or quinolone sensitive and clinician recommendation for a shorter regimen Less than 56 days exposure to BDQ or LNZ

BDQ 400mg daily for two weeks than 200mg tiw for 6 months

Linezolid 600mg daily for 6 months

Pretomanid 200mg daily for 6 months

Demographics

	Median (IQR)	Min-Max
Age (years)	41 (35-50)	17-82
BMI (m/kg ²)	20.0 (17.5-22.9)	12.5-37
	N	%
Gender		
Female	84	37%
Male	140	63%
HIV Status		
HIV Positive	122	55%
Diabetes	18	8%

Interim
outcomes
Nov 2022

	Number of participants
Started on BPaL regimen	224
Completed at least 60 days of treatment and are not found to be resistant to bedaquiline	194
Culture positive at week 8 (N=194)	4%
Median (IQR) time in days to conversion (N=95)	57 days (30-85)
Conversion occurred within the first six months of treatment (N=95)	92 (96.8%)