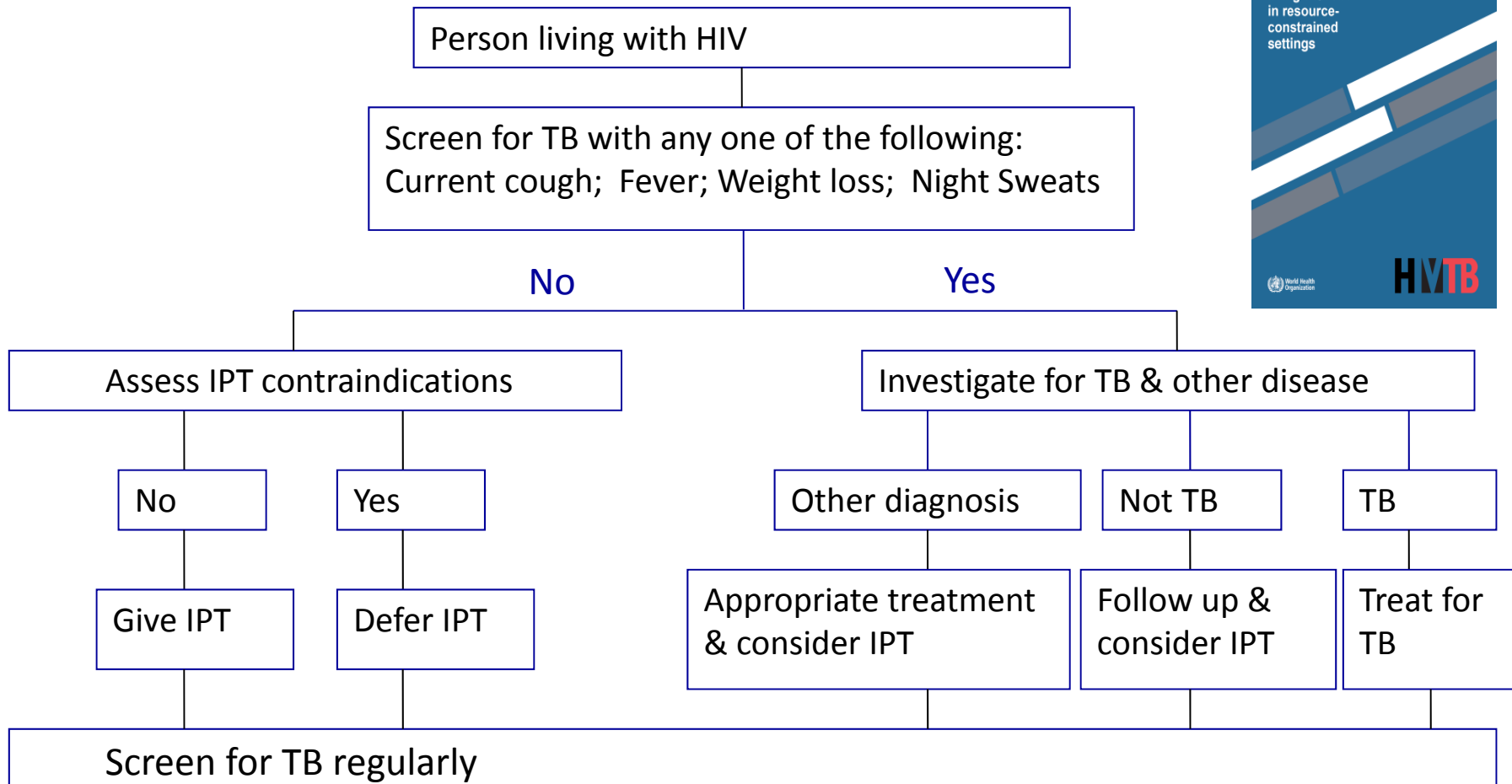
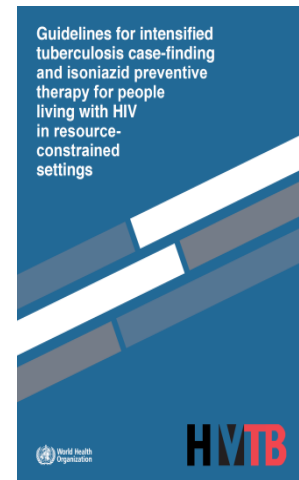




TB Screening and IPT Algorithm



PLHIV with none of the symptoms should receive IPT

Four symptom algorithm identifies those eligible for IPT
(current cough, fever, night sweats or weight loss)

Variable	Sen (%)	Spe (%)	NPV (95% CI) 5% TB prevalence
Community setting	67	63	97.3 (96.9-97.7)
Clinical setting	90	30	98.3 (97.5-98.8)
CD4 < 200	95	23	98.9 (95.8-99.5)
CD4 ≥ 200	76	39	96.9 (95.1-98.0)

Getahun et al. PLoS Medicine 2011



Percent of reduction of TB risk with IPT, ART, and combined ART and IPT

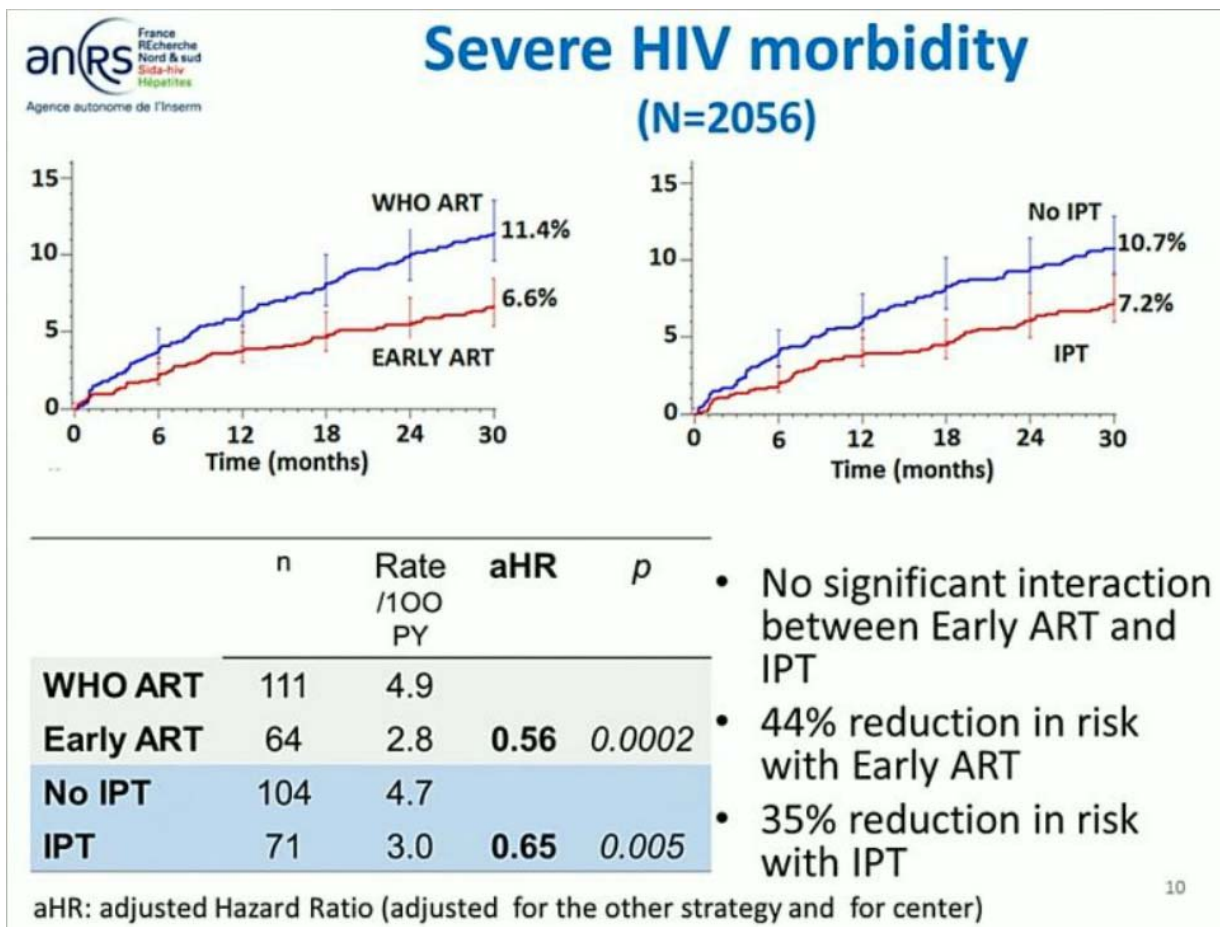
Studies	IPT alone	ART alone	ART plus IPT
Brazil	68	52	80
South Africa	13	64	89
Botswana	65	67	97

*AIDS 2007: 21: 1441-8;
AIDS 2009, 23:631-636;
Lancet 2011: 377:1588-98*

Combination prevention with ART and IPT is key

HIV TREATMENT

Immediate IPT decreases the risk of severe morbidity independently from HAART



Danel C, N Engl J Med. 2015 Aug 27;373(9):808-22



..... even at CD4 cell count > 500

	No. of events	Rate per 100 person years	Adjusted hazard ratio	P value
WHO ART	38	4.1		
EARLY ART	23	2.4	0.56	P=0.003
NO IPT	37	4.0		
IPT	24	2.5	0.61	P=0.056

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