



Advanced HIV: A Paradigm Shift

Considerations for Monitoring and Evaluation

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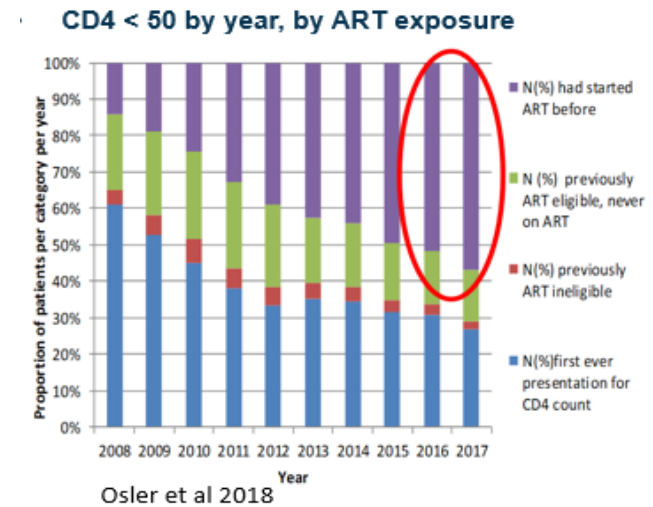
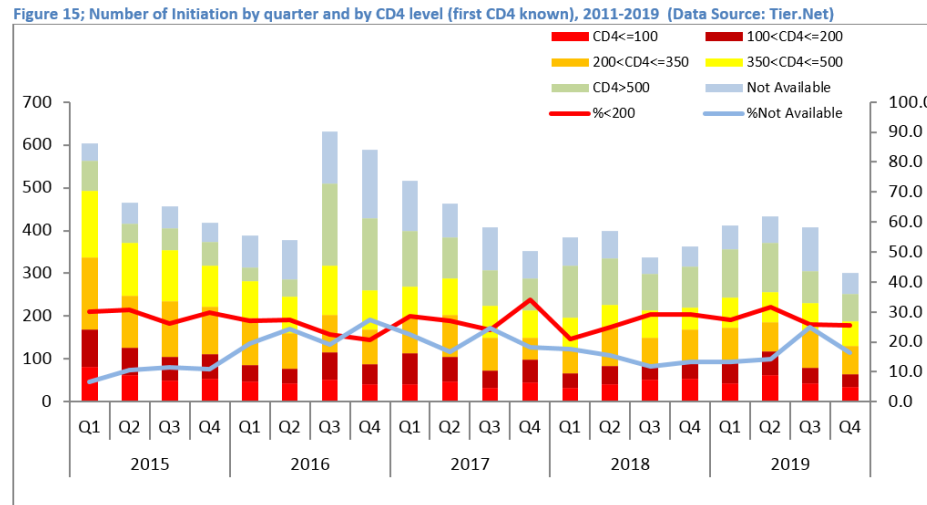
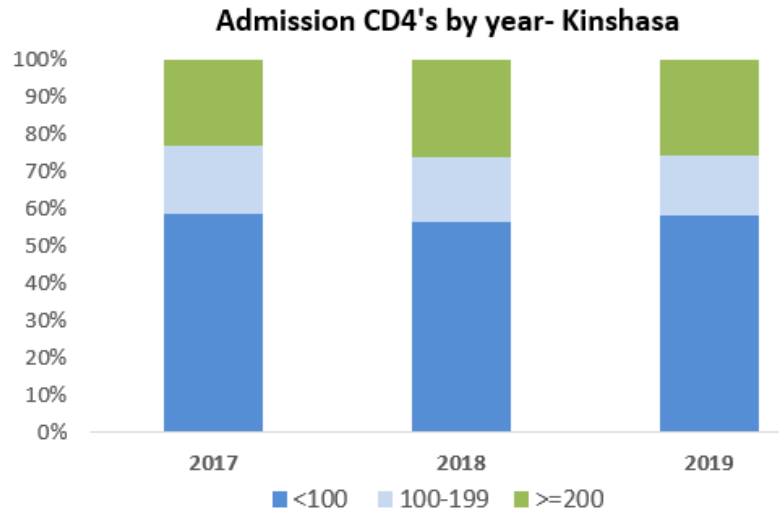
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HIV LEARNING NETWORK
The CQUIN Project for Differentiated Service Delivery

Background

- AHD remains an important life-threatening problem in:
 - Low and high HIV prevalence settings
 - PHC and hospitals
 - Implies need for strong referral and contra-referrals



Who are we seeing? Who do we count?

	PHC	IPD
Describing who enters:	Total unique patients seen	Total admissions
	<i>Stratified by:</i> Sex (M/F) Age (0-<5; 5-15; 15-24; 25-49; >49) ART history (Naïve; On ART; Interrupted*)	
Entry door:		
		CD4 measured % 0-<100 %100-<200 % >=200
		? CD4 < 100 or < 200 to trigger AHD tests ?
Eligibility for CD4:	New initiations Returnees High VL	CD4 on all admissions

*Previously on ART but having interrupted treatment for at least 90 days

AHD Algorithms feed the M&E system

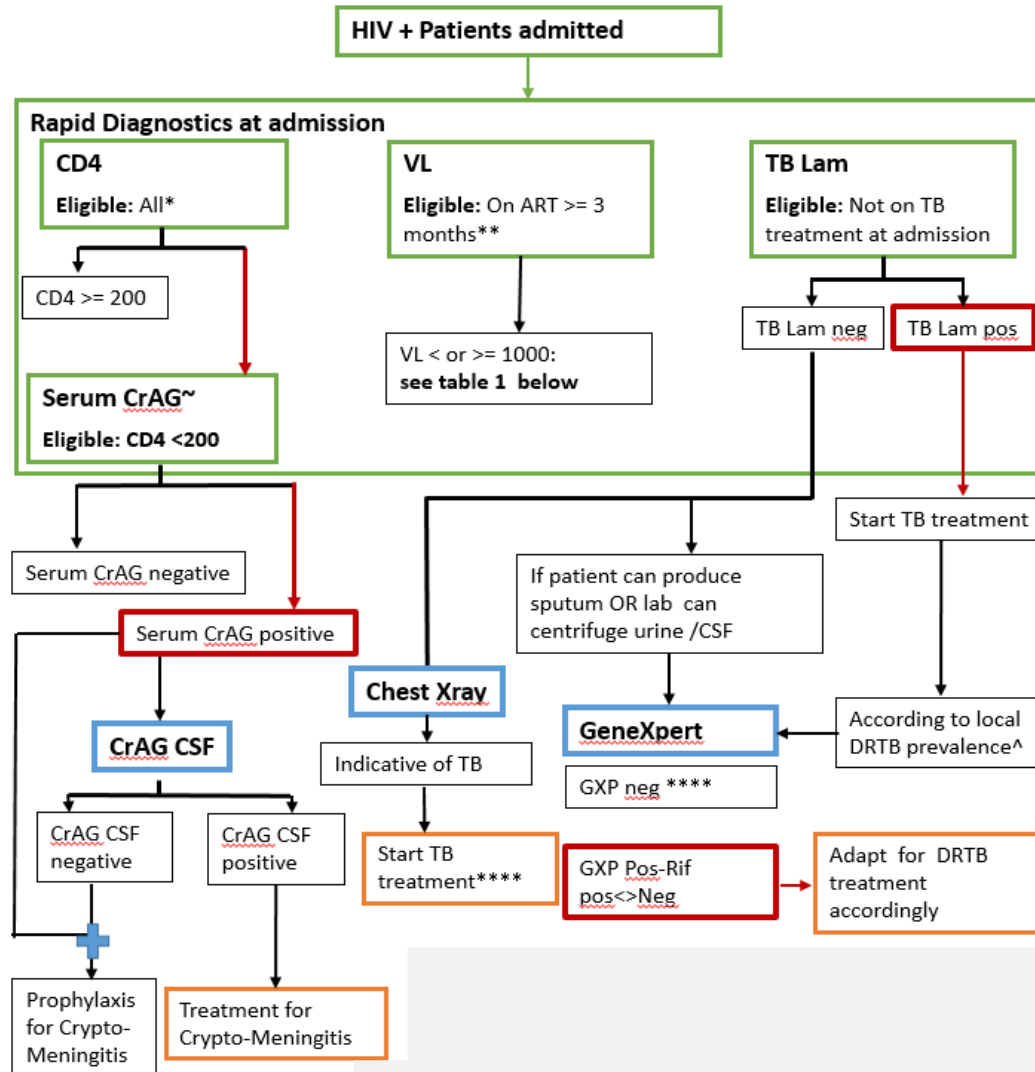
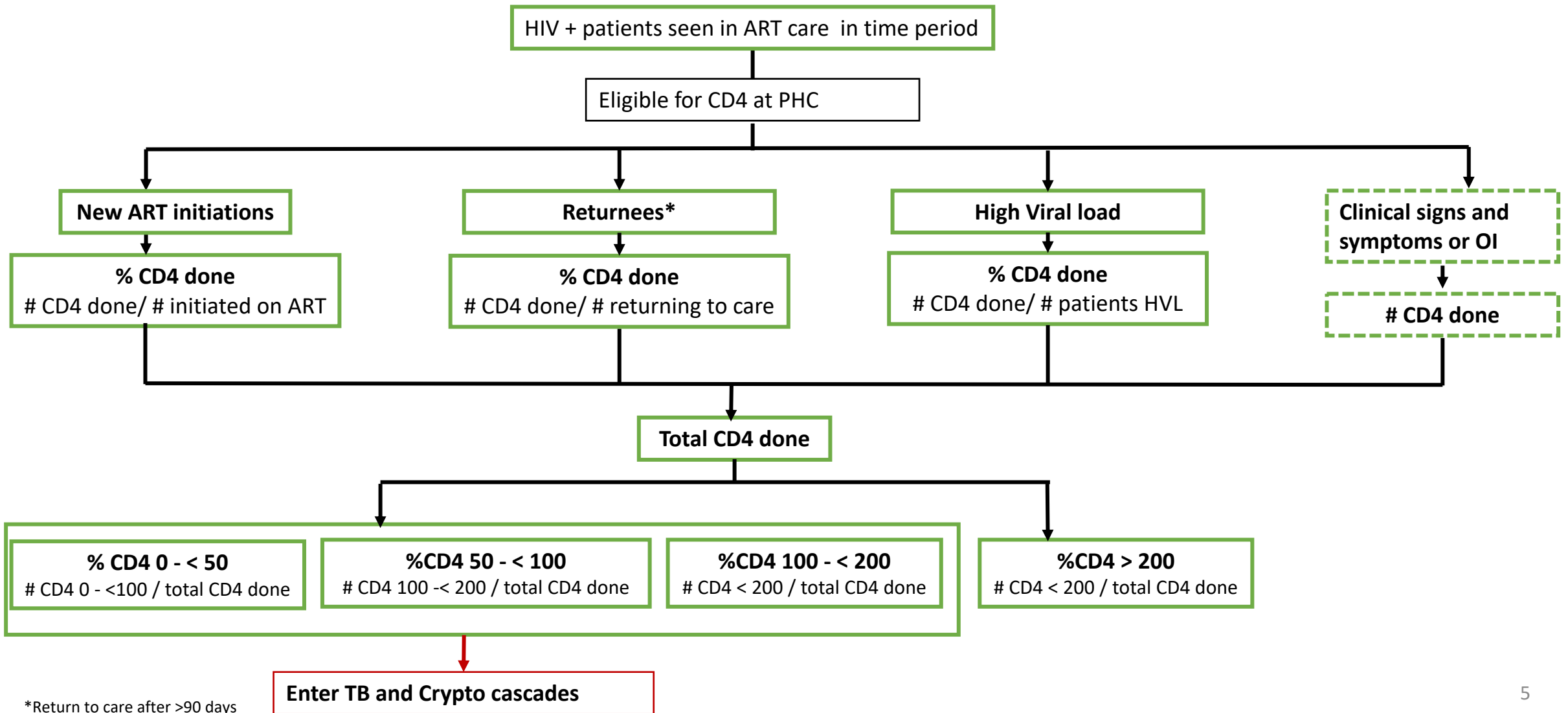


Table 1 : algorithm based on CD4 and VL results
(see: Fig 11.4 chap 11 MSF PHC guideline)

VL result	CD result	Action
VL < 1000 🟢	CD4 < 200 🟡	OI check
VL >= 1000 🟡 (or VL Not available)	CD4 < 100 🟡	Switch to 2 nd line (+DTG)
VL >= 1000 🟡	CD4 >= 200 🟢	Adherence check

*Review project specific definition for valid CD4 at admission (i.e. at admission or within 3 months of admission)
 ~In projects where the majority of patients admitted have a CD4<200, this algorithm is often simplified such that all admitted patients receive a serum CrAG.
 **Review project specific definition for valid VL at admission (i.e. at admission or within 3 months of admission)
 ^If local DRTB high prevalence, all TB lam positive should received Rif R testing via GeneXpert.
 ****: CNS TB likely or clinical presentation strongly suggests TB; investigations not available or unable to exclude TB, Clinical condition life threatening, patient deteriorating, or not improving after 3 days of hospitalization(MSF IPD guideline page 9)

The entry door: PHC



The entry door: IPD

HIV + Patients admitted



Rapid Diagnostics at admission

CD4
Eligible: All*

Serum CrAG~
Eligible: CD4 <200

TB Lam
Eligible: Not on TB treatment at admission

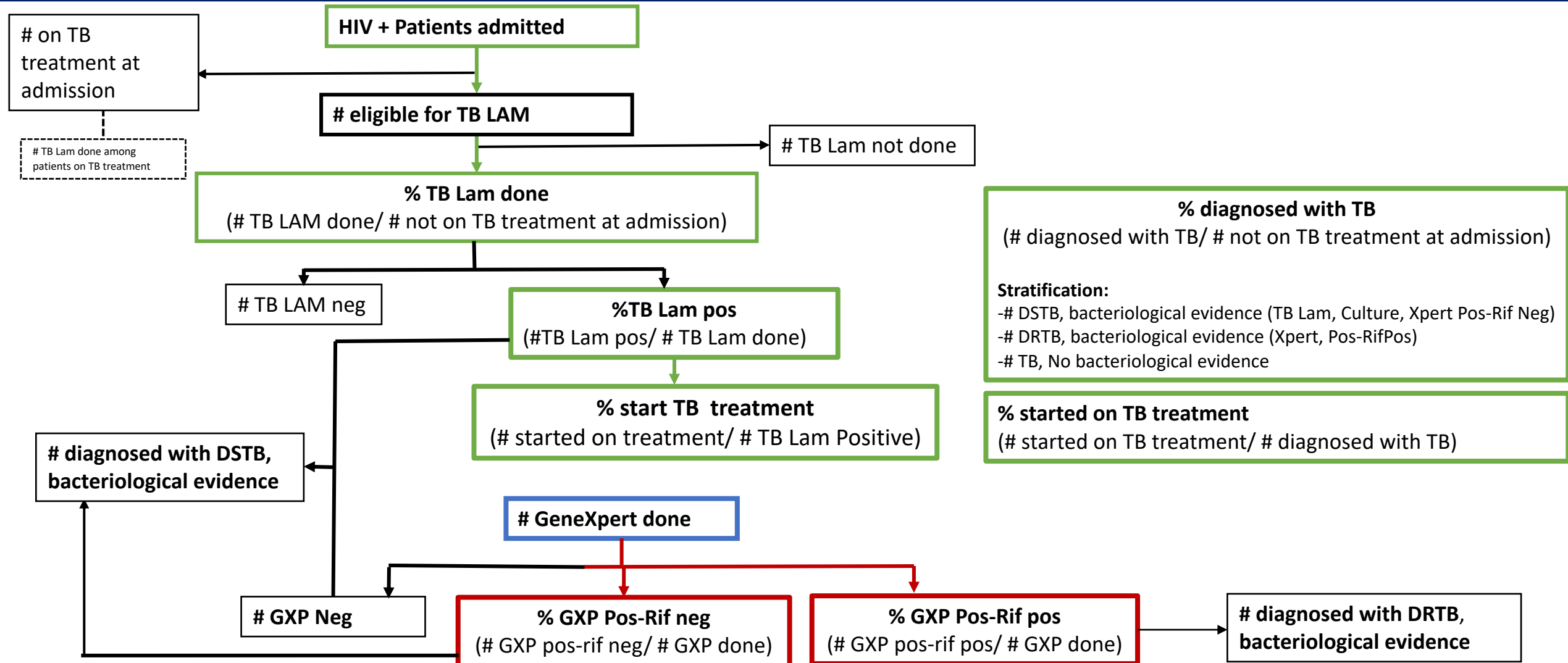
VL
Eligible: On ART \geq 3 months**

Continue Crypto cascade

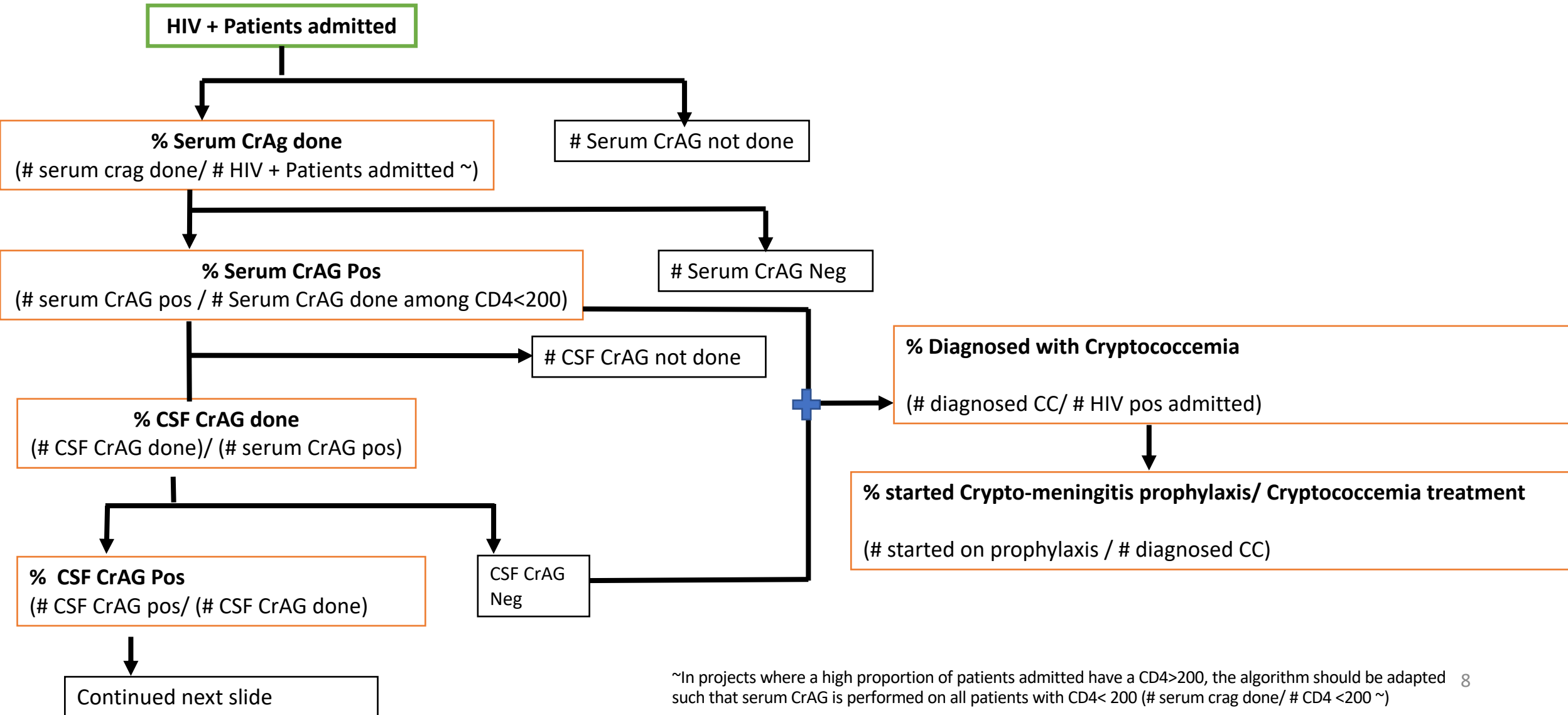
Continue TB cascade

~In projects where the majority of patients admitted have a CD4<200, this algorithm is often simplified such that all admitted patients receive a serum CrAG.

IPD: TB

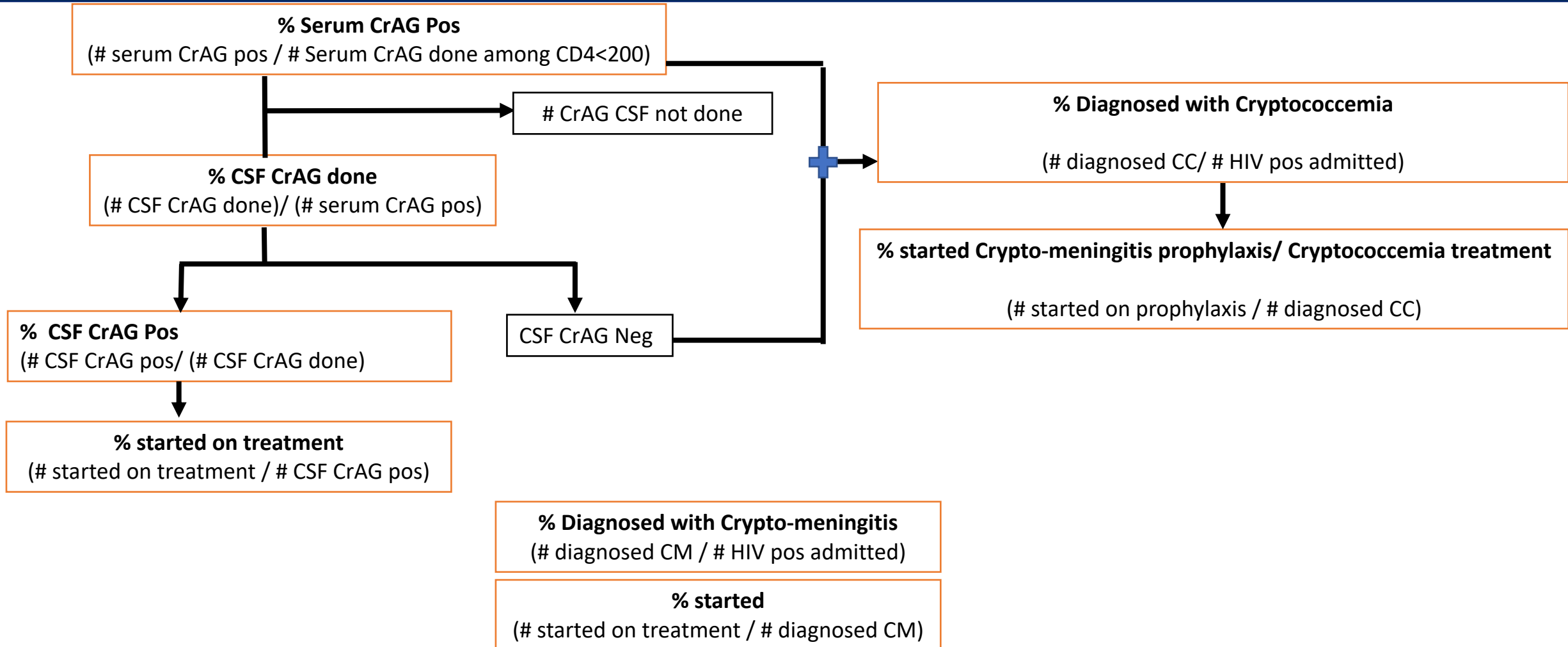


IPD: Crypto



~In projects where a high proportion of patients admitted have a CD4>200, the algorithm should be adapted such that serum CrAg is performed on all patients with CD4< 200 (# serum crag done/ # CD4 <200 ~) 8

IPD: Crypto continued



Recap

	PHC	IPD
	Total unique patients seen	Total admissions
CD4	CD4 stratified by eligibility: High VL; New initiations; Returnees* Stratified by: Sex; Age; ART history (Naïve; On ART; Interrupted*)	CD4 on all admissions
LAM GXP	All with CD4 < 200 or signs and symptoms of TB at any CD4 count High prevalence DR TB : GXP on all <u>+ve</u> LAM Low prevalence DR TB : ? Cut –off	
<u>Serum CrAg</u>	?CD4 < 200 < 100 ? Or signs and symptoms of meningitis	
<u>CSF CrAg</u>	Referral to 2 ° health	Positive <u>S-CrAg</u> / Signs and symptoms
Outcomes	Routine M&E, particular attention to 3 month mortality	% Mortality Stratified by: <48 hours; >=48hours
*Previously on ART but having interrupted treatment for at least 90 days		

Summary and future steps

- There is momentum – AHD is being integrated into existing systems
 - Increase emphasis on outcomes: including treatment start, treatment outcomes and post-discharge follow-up
- Learn from routine HIV monitoring on the importance of objective measures in selecting monitoring indicators
 - Importance of easy to implement point-of-care tests
- Utilization of cascades can be useful but...
 - May underestimate total number of tests done
 - Challenging with aggregate data tools (e.g., paper register)

The denominator is important and should be reflect reporting needs and feasibility

Thank you, enKosi, Merci, Danke



Acknowledgements:

- Patients, project teams and partners

References:

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