

Current global guidance, emerging evidence on AHD and efforts to improve AHD programming globally

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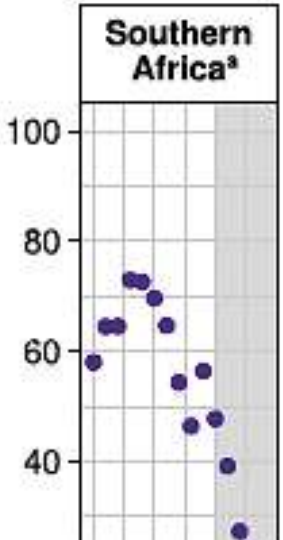
12 December 2024



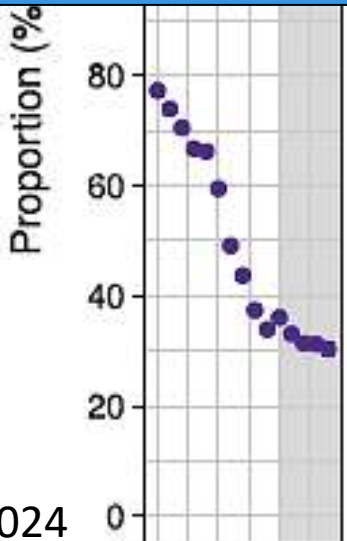
Outline

- **Proportion with advanced HIV disease**
- **AHD - disengagement and reengagement**
- **Distribution of AHD by treatment cascade, by country**
- **AHD hospitalizations**
 - **Common causes of hospitalization**
 - **Treatment journey of people hospitalized with AHD**
 - **Steps to providing hospitalized clinical care in those who are unwell**
- **AHD Guidelines 2025**
- **Monitoring of Advanced HIV disease**

Proportion with advanced HIV disease



30% AHD at ART start

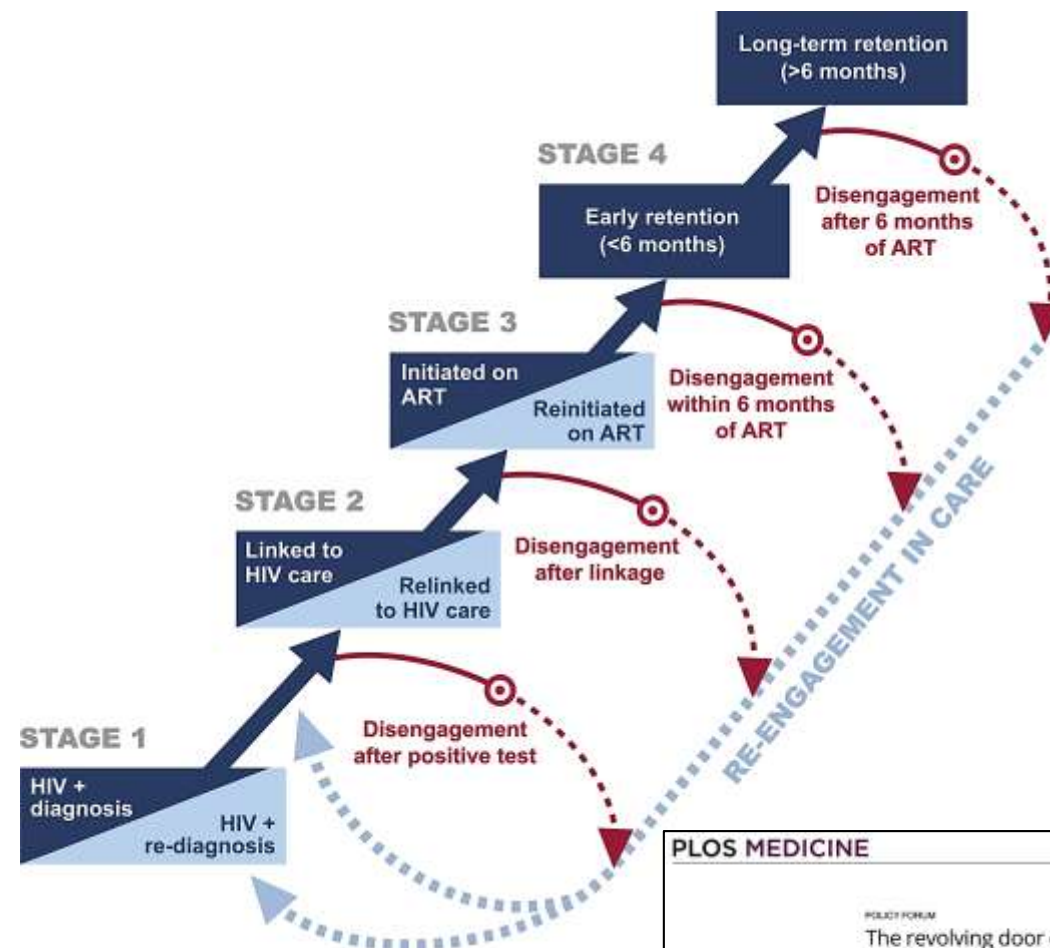


Subgroup	n/N	% AHD (95% CI)
Setting		
Inpatients	8298/19687	44.30 (39.10, 49.60)
Outpatients	324623/1596388	33.50 (31.50, 35.40)
Inpatients and outpatients	98446/207747	33.70 (30.00, 37.30)
Age		
Adults	226561/954194	34.80 (32.80, 36.80)
Children	1729/6584	30.10 (25.40, 34.80)
ART		
Naïve		36.10
Experienced		37.70
HIV duration		
Newly diagnosed		41.50
Prior ART		37.20
Time since ART start		
Data available		36.10
Data not available		44.10
WHO region		
North America		28.10
South America		41.50
Eastern Mediterranean		74.50
Europe		37.60
Western Pacific		41.20
South-East Asia	81393/134200	40.60 (41.90, 51.70)
Africa: West and Central	10323/22768	43.20 (39.50, 46.80)
Africa: Eastern and Southern	306594/1539816	27.60 (25.70, 29.50)
Income level		
High income	12516/48610	32.10 (27.80, 36.30)
Upper middle income	132969/615100	36.20 (32.20, 40.30)
Lower middle income	248022/1023434	35.00 (29.90, 40.00)
Low income	29562/116991	31.50 (27.50, 35.40)

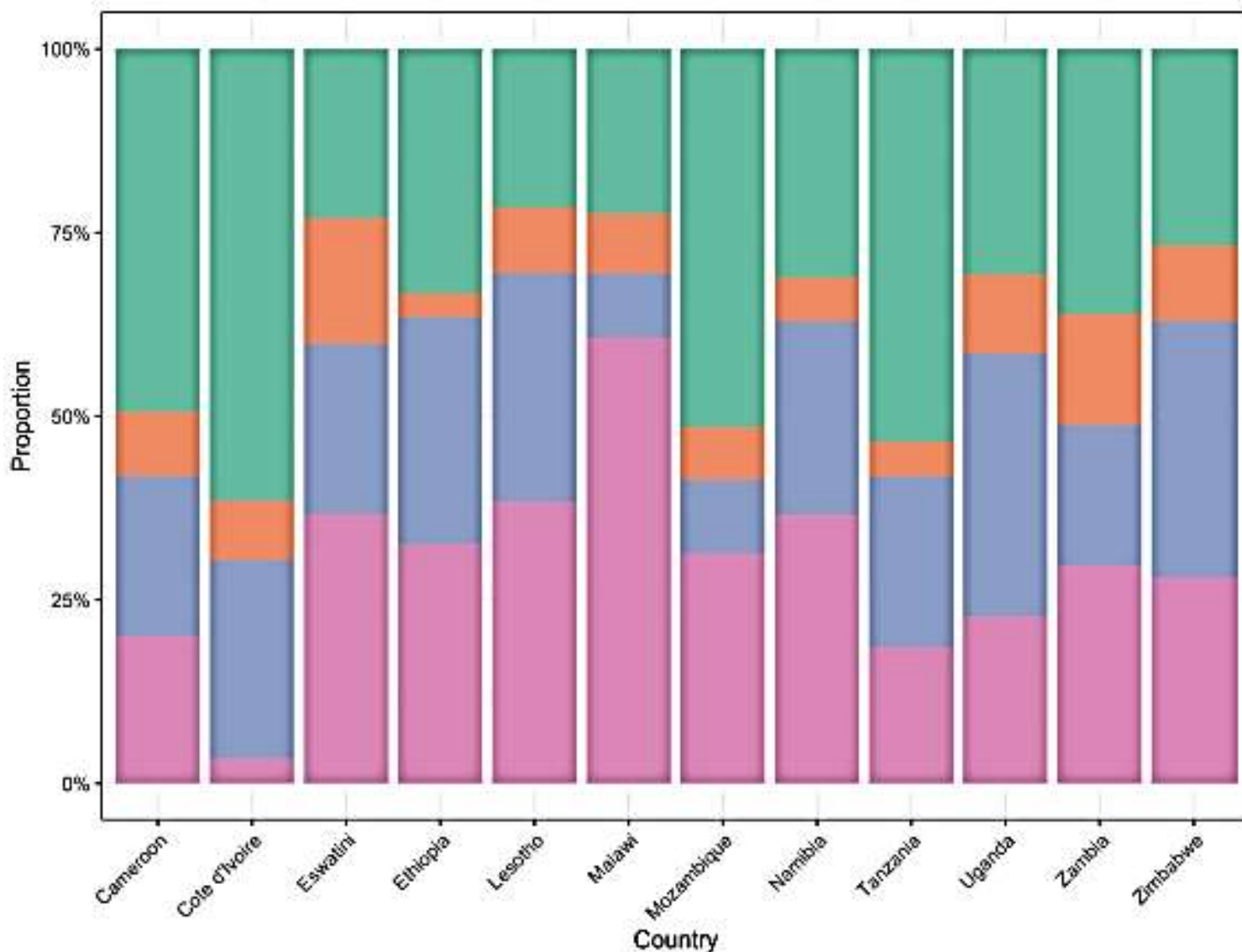
30% present to care with AHD
>40% in hospital settings

AHD - disengagement and reengagement

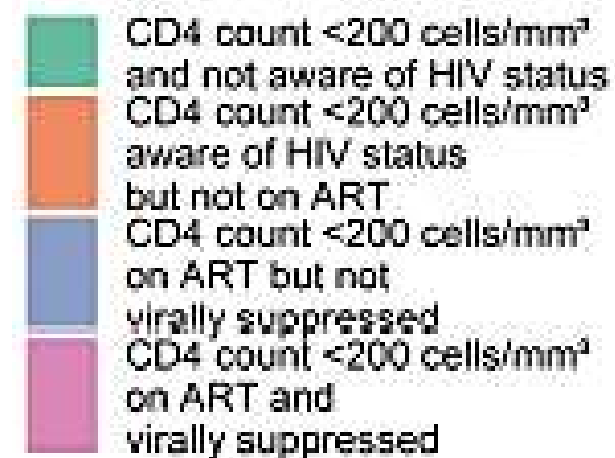
- Many programmes globally have an increasing proportion of new ART initiations that are reinitiations
- New insights suggest a very high proportion of individuals have AHD in high-burden settings (information to be shared shortly)
- Several countries are implementing welcome packages to help support returns to care – this package should include a CD4 test.



Distribution of AHD by treatment cascade, by country

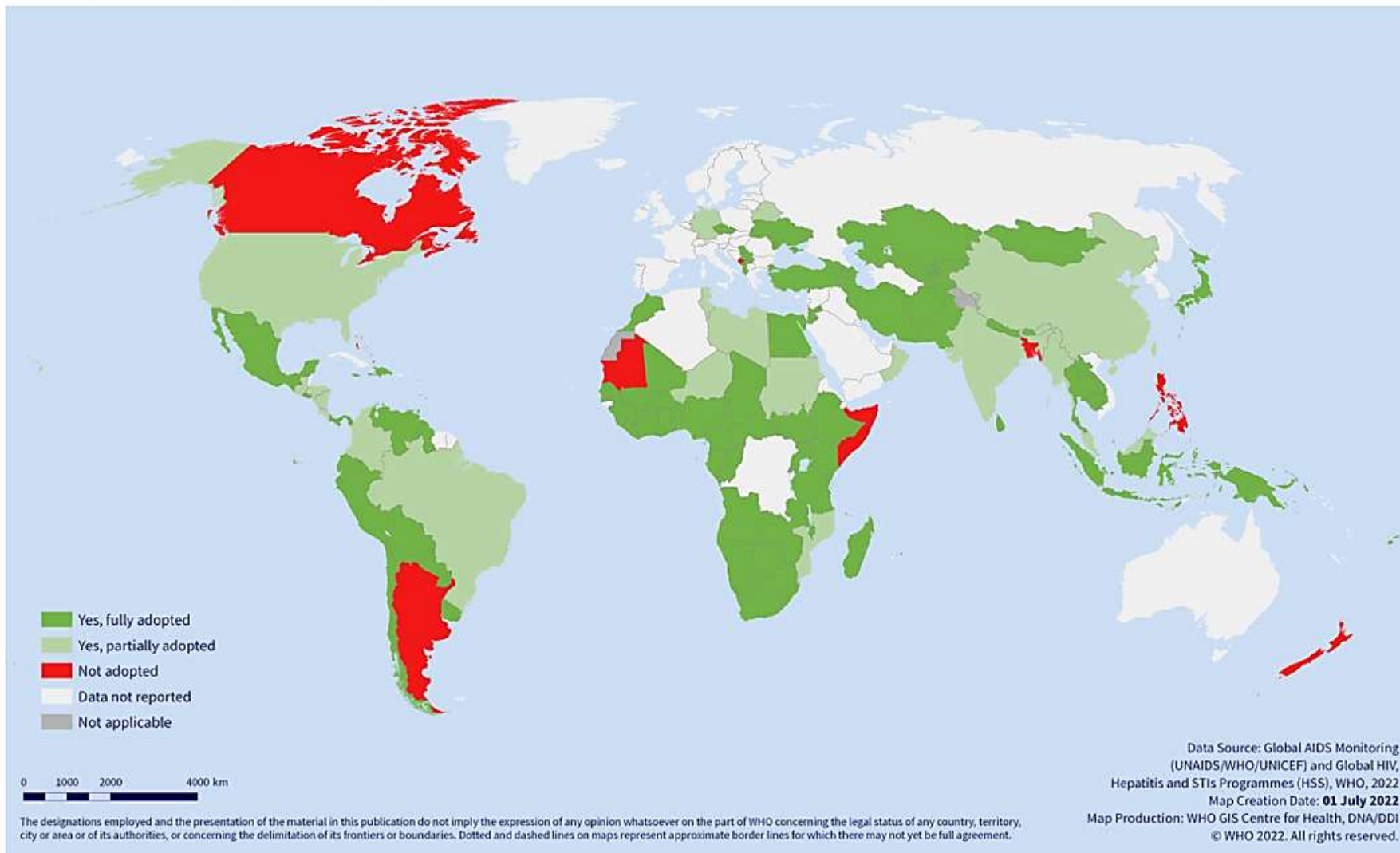


Disaggregation of all people with AHD	n = 2151	%
Not aware of HIV status	706	32.5
Aware of status but not on ART	216	9.9
On ART but not virally suppressed	543	25.0
Virally suppressed	686	31.6

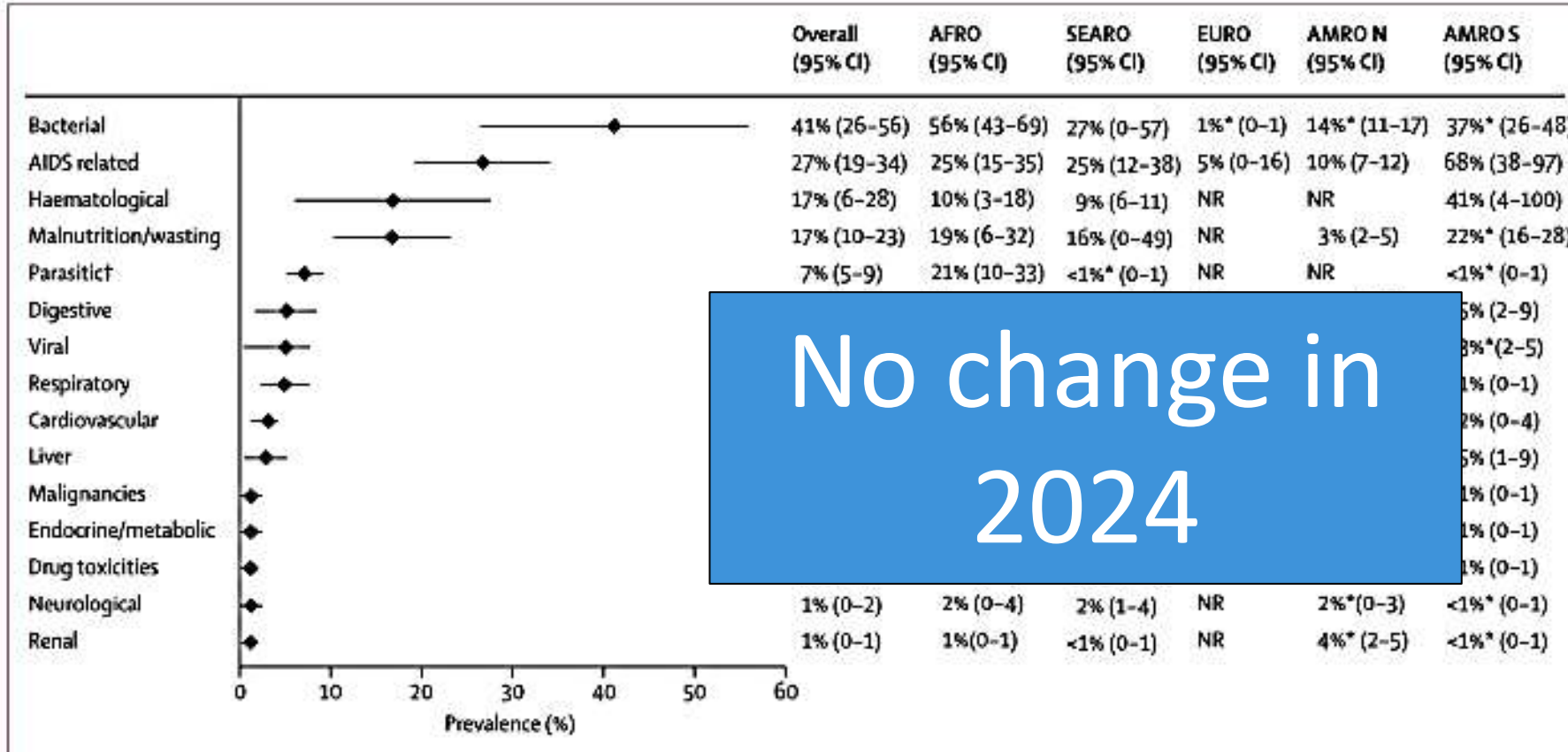


Uptake of AHD guidelines

Adoption of WHO 2017 Recommendation to offer a package of interventions to all patients presenting with advanced HIV disease, June 2022



Common causes of hospitalization



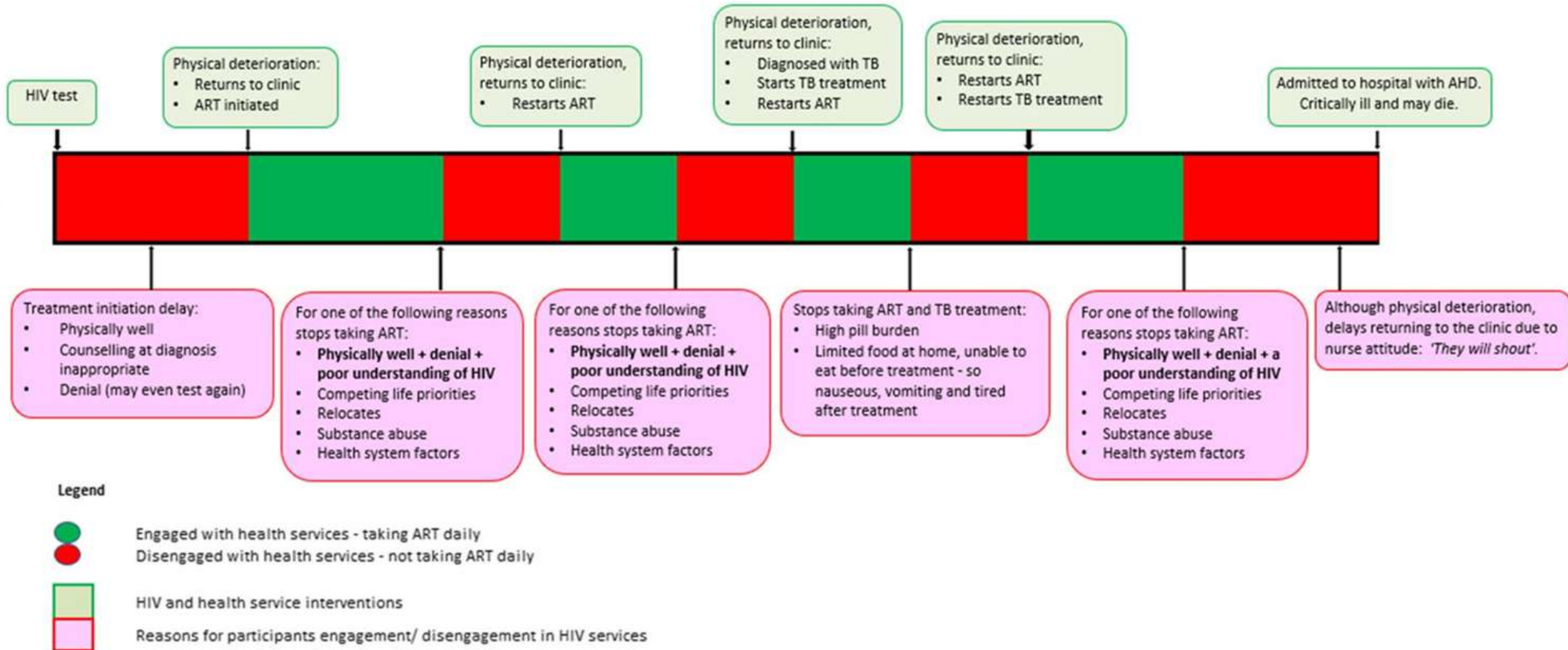
Bacterial infections, AIDS-related illness, hematological and malnutrition were among leading causes of admission in children with HIV

Ford N, Shubber Z, Meintjes G, Grinsztejn B, Eholie S, Mills EJ, Davies MA, Vitoria M, Penazzato M, Nsanzimana S, Frigati L. Causes of hospital admission among people living with HIV worldwide: a systematic review and meta-analysis. *The Lancet HIV*. 2015 Oct 1;2(10):e438-44.

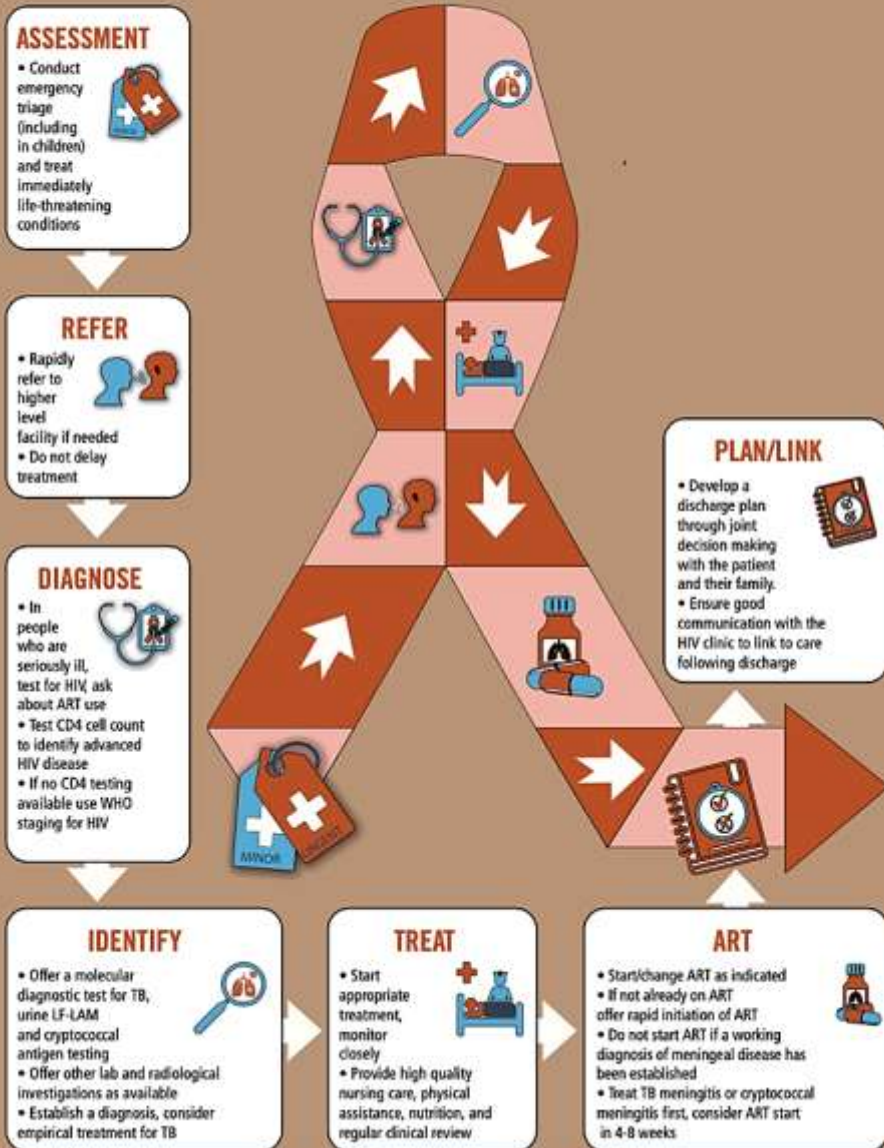
Figure 3: Causes of hospital admission in children

AFRO=African region. AMRO N=region of the Americas (North). AMRO S=region of the Americas (South and Central). EURO=European region. EMRO=eastern Mediterranean region. NR=not reported. SEARO=southeast Asia region. WPRO=western Pacific region. *Only one study contributed to the estimate. †Mainly malaria

Treatment journey of people hospitalized with AHD



MANAGEMENT OF HOSPITALISED INDIVIDUALS WITH ADVANCED HIV DISEASE



What are the steps to providing hospitalized clinical care in those who are unwell? - WHO policy brief

1. Assessment
2. Referral (if needed)
3. Diagnose HIV and AHD
4. Identify cause severe illness
5. Treat
6. Start / manage ART
7. Make a plan with client / link.

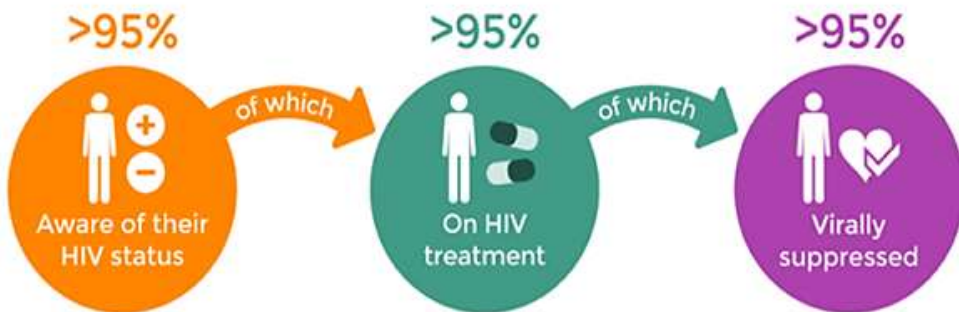
NB: Clinical judgement often needed.

AHD Guidelines 2025

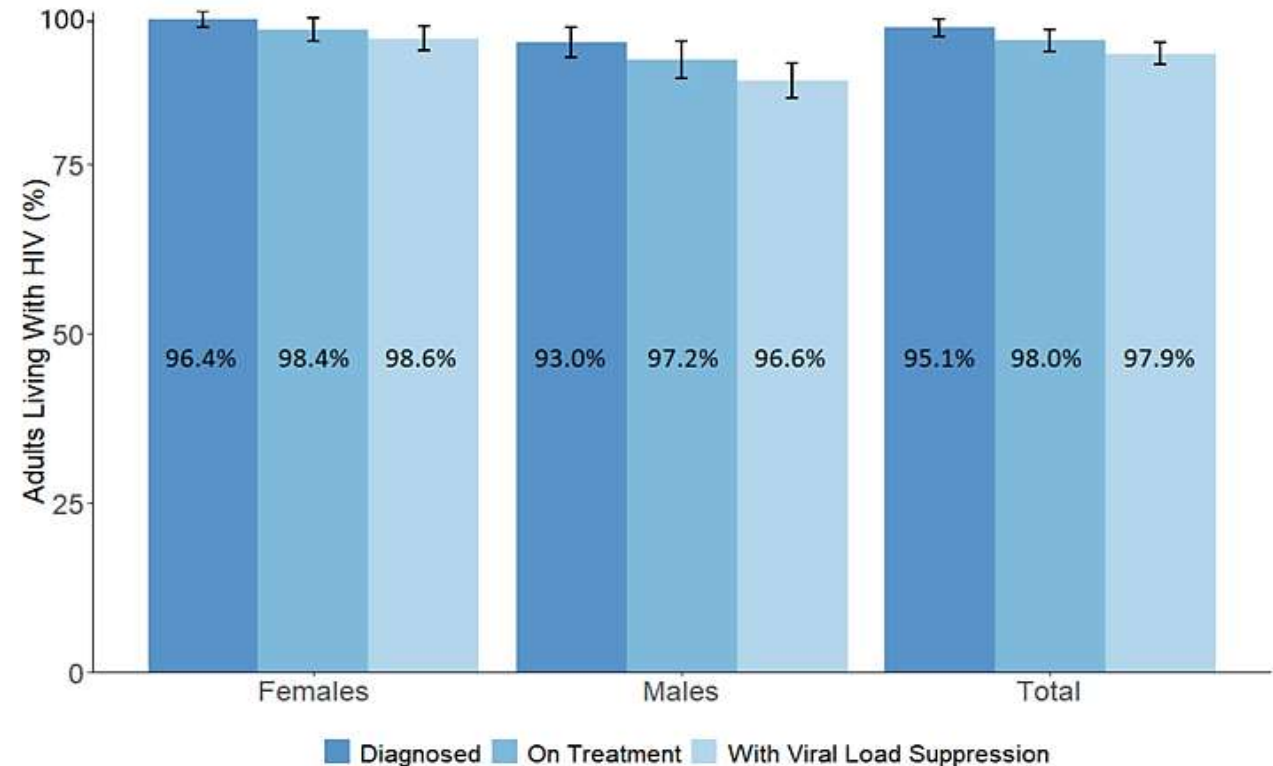
- **Consolidate existing guidelines**
- **Develop new recommendations on**
 - 1) CD4 testing and**
 - 2) hospital discharge**
- **New section on hospital care**

Advanced HIV disease needs to be monitored

- A cascade for AHD care
- Report AIDS deaths
- Disaggregate AIDS deaths by cause
- Several countries have begun reporting an AHD cascade
- To note: 90/90/90 and 95/95/95 do not count people who are unwell



ACHIEVEMENT OF THE 95-95-95 TARGETS, by AGE and SEX



Percentages shown in the graph refer to the conditional 95-95-95 targets described in the text to the right. The heights of the bars represent the unconditional percentages for each indicator among all people living with HIV. Male, female, and total percentages apply to adults aged 15-64 years. Error bars represent 95% CIs.



Thank You!

