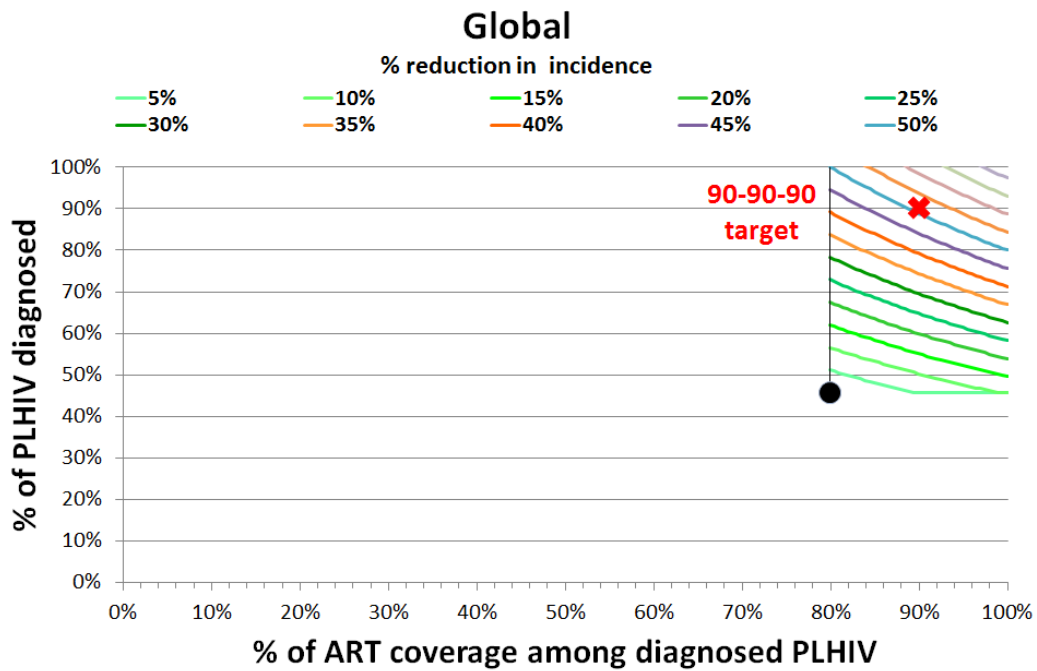


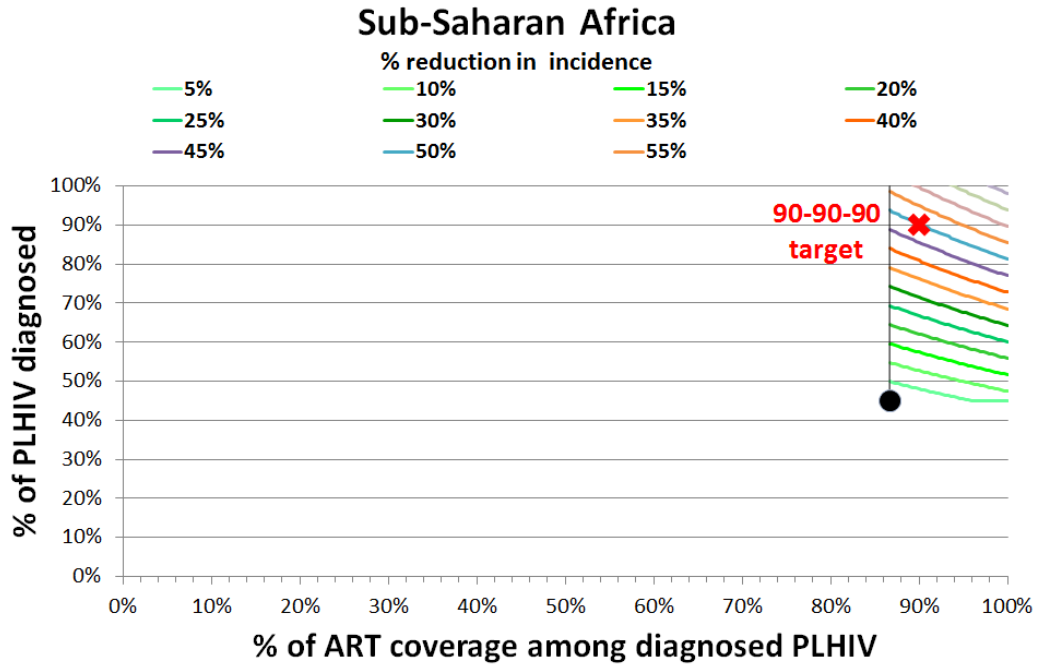
**SUPPLEMENTARY MATERIAL**

**Figure S1:** Visualization of gradient reductions in HIV incidence associated with changes in the proportion of PLHIV who are aware of their HIV status and proportion of these people on ART, assuming 90% viral suppression among PLHIV on ART. **(A)** globally, for **(B)** sub-Saharan Africa, **(C)** the United States, and **(D)** Indonesia. PLHIV = people living with HIV. Black circles represent the intersection of the percentage of PLHIV who are diagnosed and the percent of ART coverage among those diagnosed and the connecting vertical black lines represent the boundary for the reduction in HIV incidence.

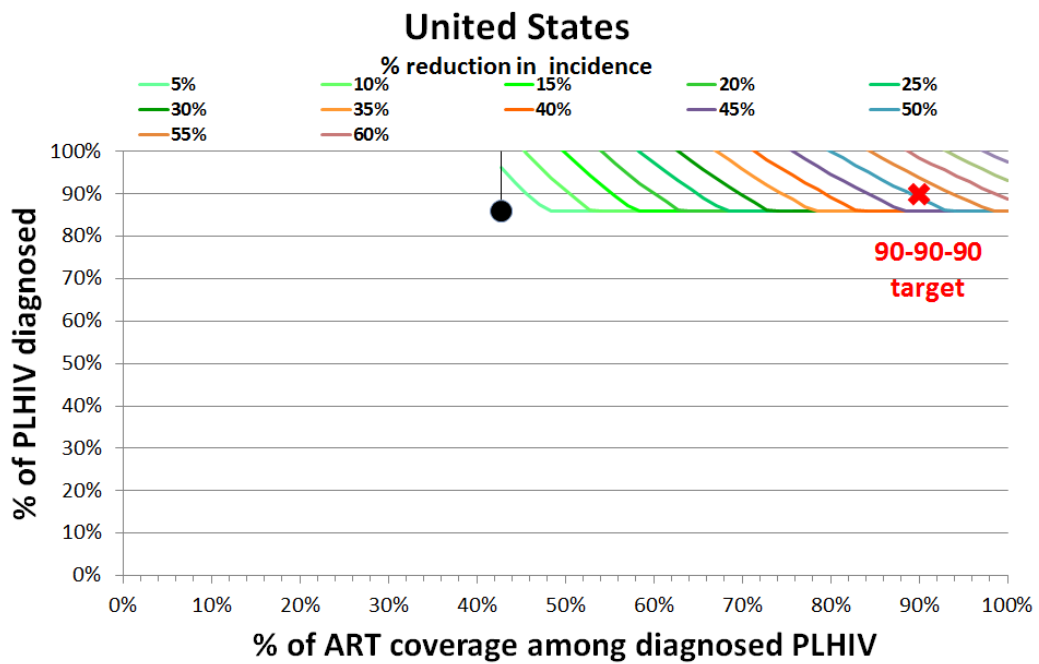
**(A)**



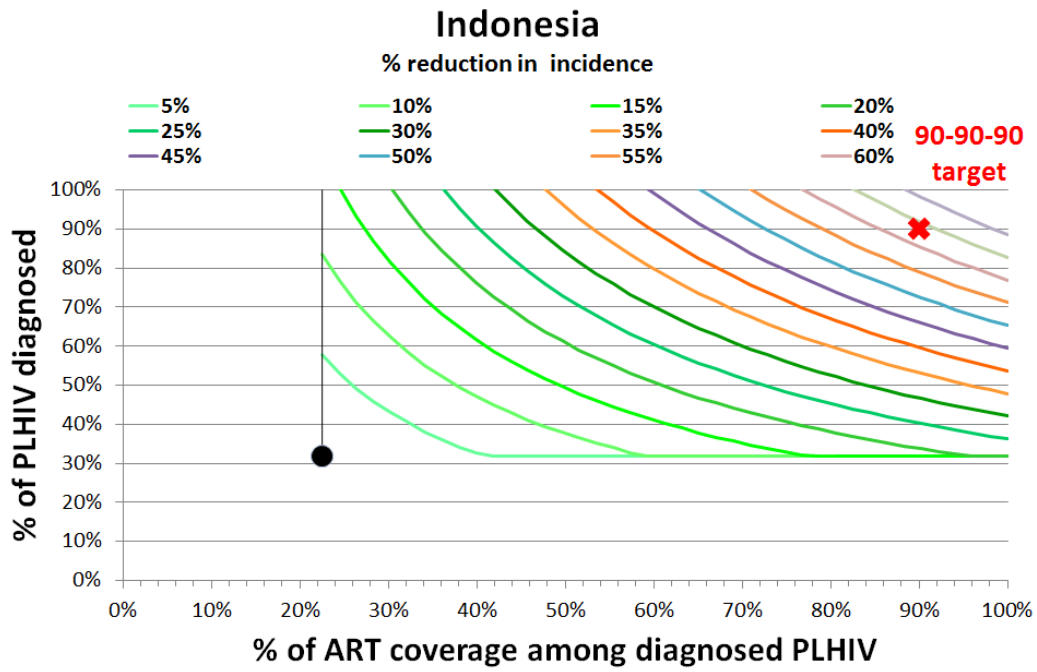
(B)



(C)



(D)



Note, no figure is presented for Australia because viral suppression among PLHIV on ART was already 93.8% in 2013 (see Figure 2E within the paper).