

CROI Feedback, BHIVA etc

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What is my risk from using or not using treatment?

- How do you answer this common question?
- How do you answer it based on data?

Predicted 6 month risk: age 25

Treatment	Viral load (copies/mL)	CD4 count (cells/ μ L)		
		50	100	150
(a)				
Deferred	3000	6.8	3.7	2.3
Initiated		2.3	1.2	0.8
Deferred	10 000	9.6	5.3	3.4
Initiated		3.2	1.8	1.1
Deferred	30 000	13.3	7.4	4.7
Initiated		4.4	2.5	1.6
Deferred	100 000	18.6	10.6	6.7
Initiated		6.2	3.5	2.2
Deferred	300 000	25.1	14.5	9.3
Initiated		8.4	4.8	3.1

Predicted 6 month risk: age 55

Treatment	Viral load (copies/mL)	CD4 count (cells/ μ L)		
		50	100	150
(d)				
Deferred	3000	13.4	7.5	4.7
Initiated		4.5	2.5	1.6
Deferred	10 000	18.8	10.7	6.8
Initiated		6.3	3.6	2.3
Deferred	30 000	25.4	14.6	9.4
Initiated		8.5	4.9	3.1
Deferred	100 000	34.6	20.5	13.3
Initiated		11.5	6.8	4.4
Deferred	300 000	44.8	27.5	18.2
Initiated		14.9	9.2	6.1

Comparative 6 month risk: delayed vs immediate

- Ie:
- Age 25, CD4 = 50; VL = 300,000
8% vs 25% risk
- Age 55, CD4 = 50; VL = 300,000
15% vs 45% risk

CROI 2009 feedback

- HIV in the brain
- IL-2: ESPRIT & SILCAAT
- D:A:D – abacavir and Kaletra, indinavir
- When to start?
NA-ACCORD (cohort) and START
- HIV-infection risk in pregnancy
- New boosters: Gilead, Sequoia, Abbott