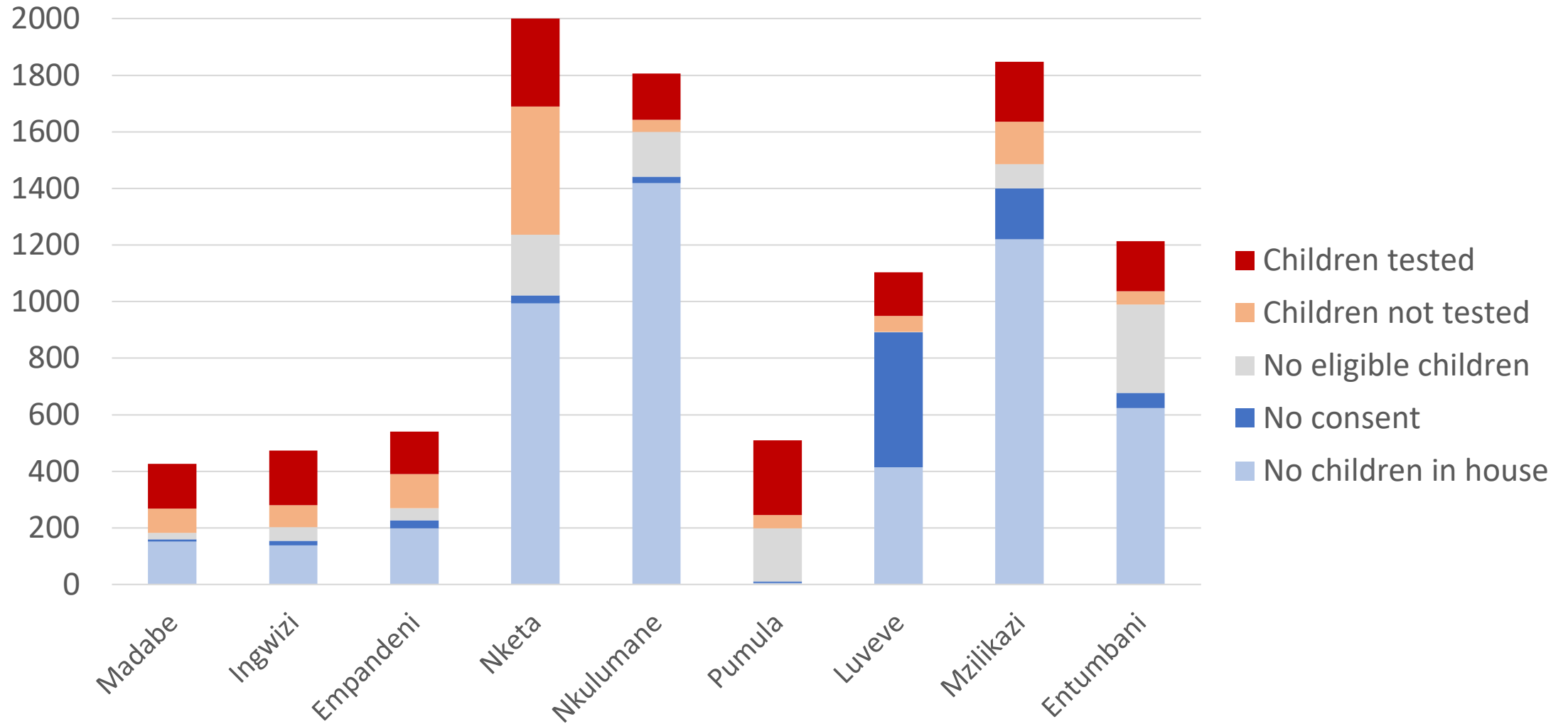


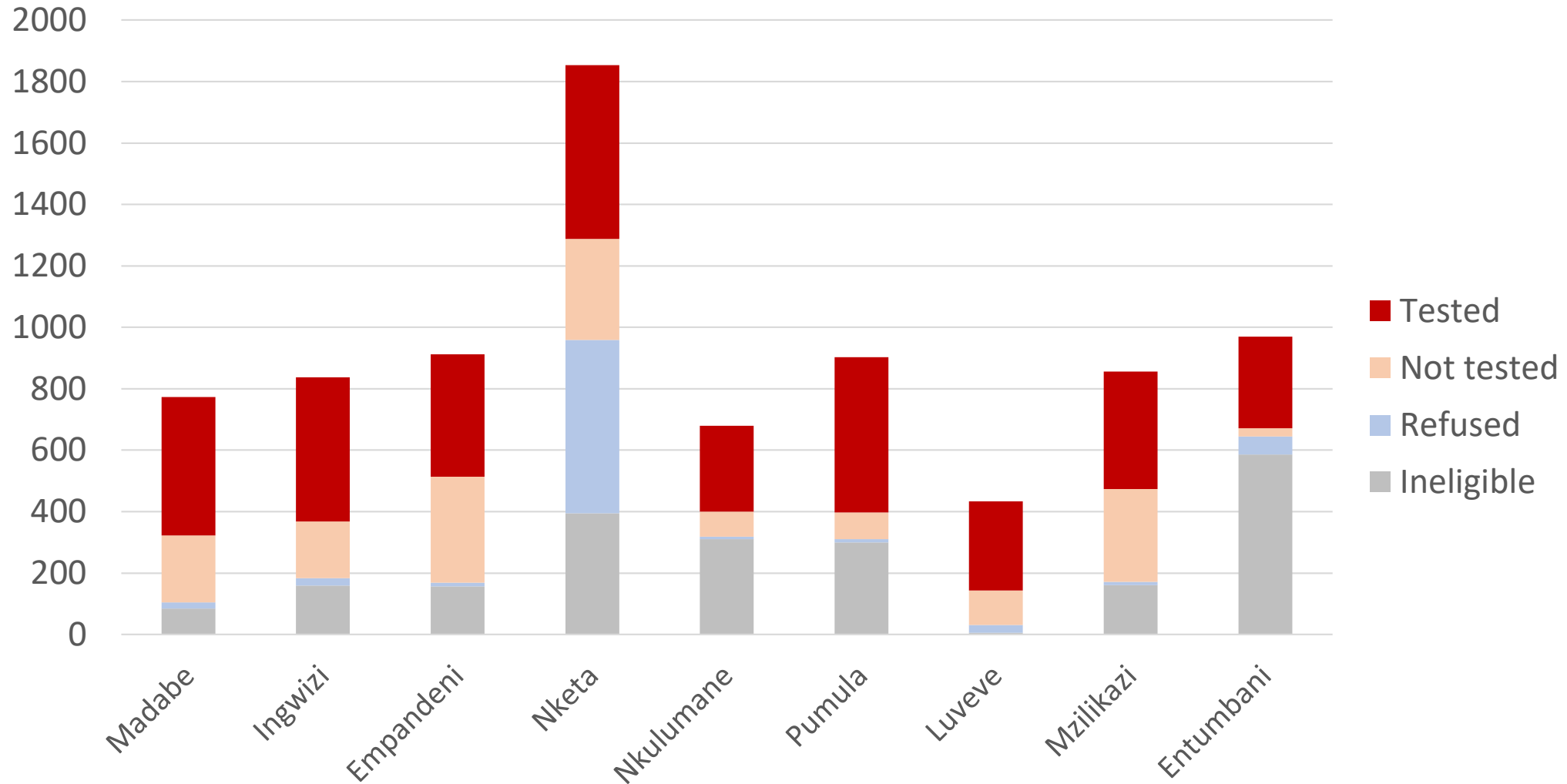
Uptake and yield of HIV index-linked testing

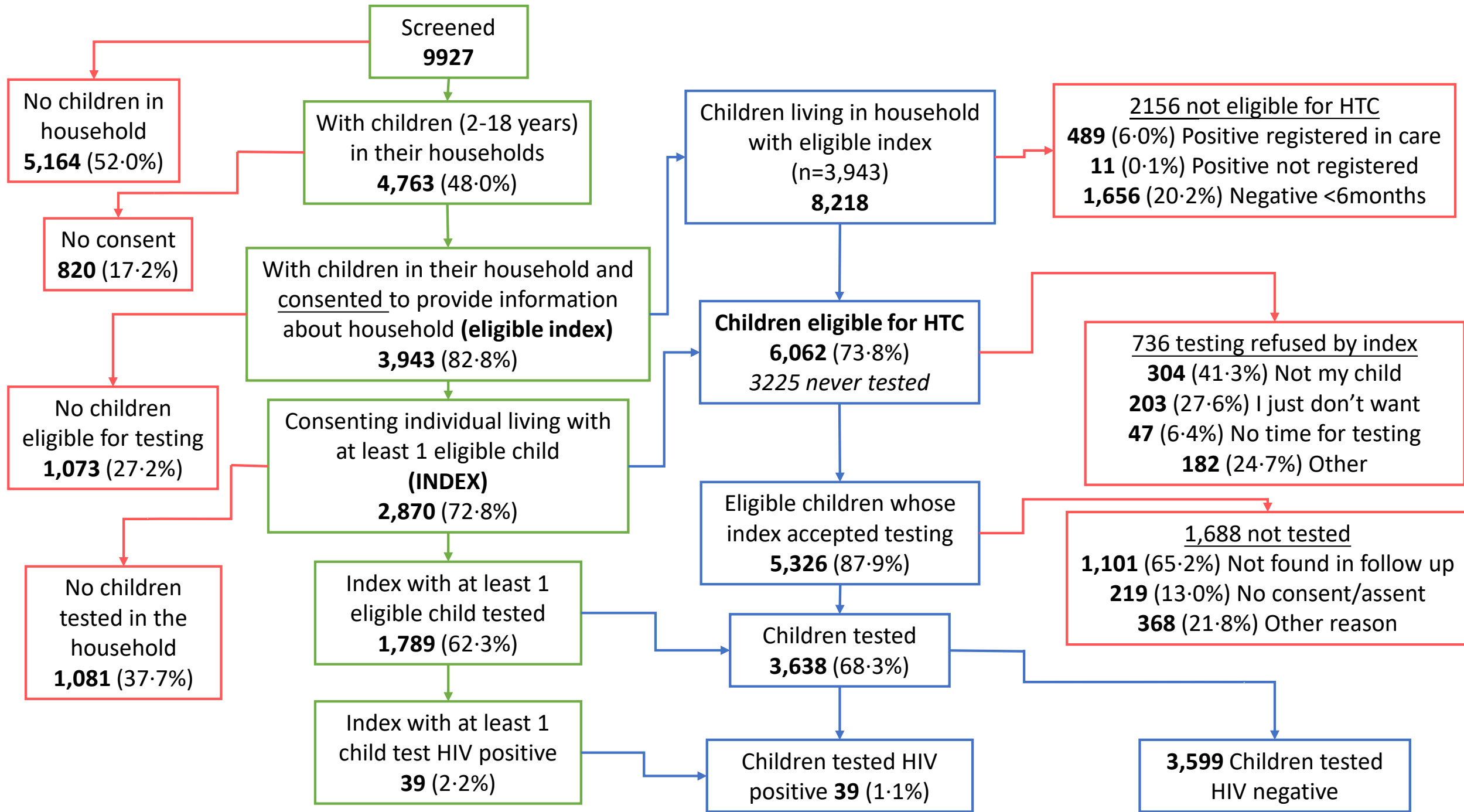
Vicky Simms

Index patients screened



Children tested





Which indexes have their children tested?

Variable		All indexes	At least 1 child tested	OR (95% CI)	
Sex of index	Male	607	329 (54.2%)	1	-
	Female	2259	1456 (64.4%)	1.56 (1.38-1.77)	<0.001
Cost to travel to facility	Free	1998	1332 (66.7%)	1	-
	Not free	872	458 (52.5%)	0.86 (0.83-0.88)	<0.001

Testing is more likely if

- Index patient is female
- Travel to facility is free

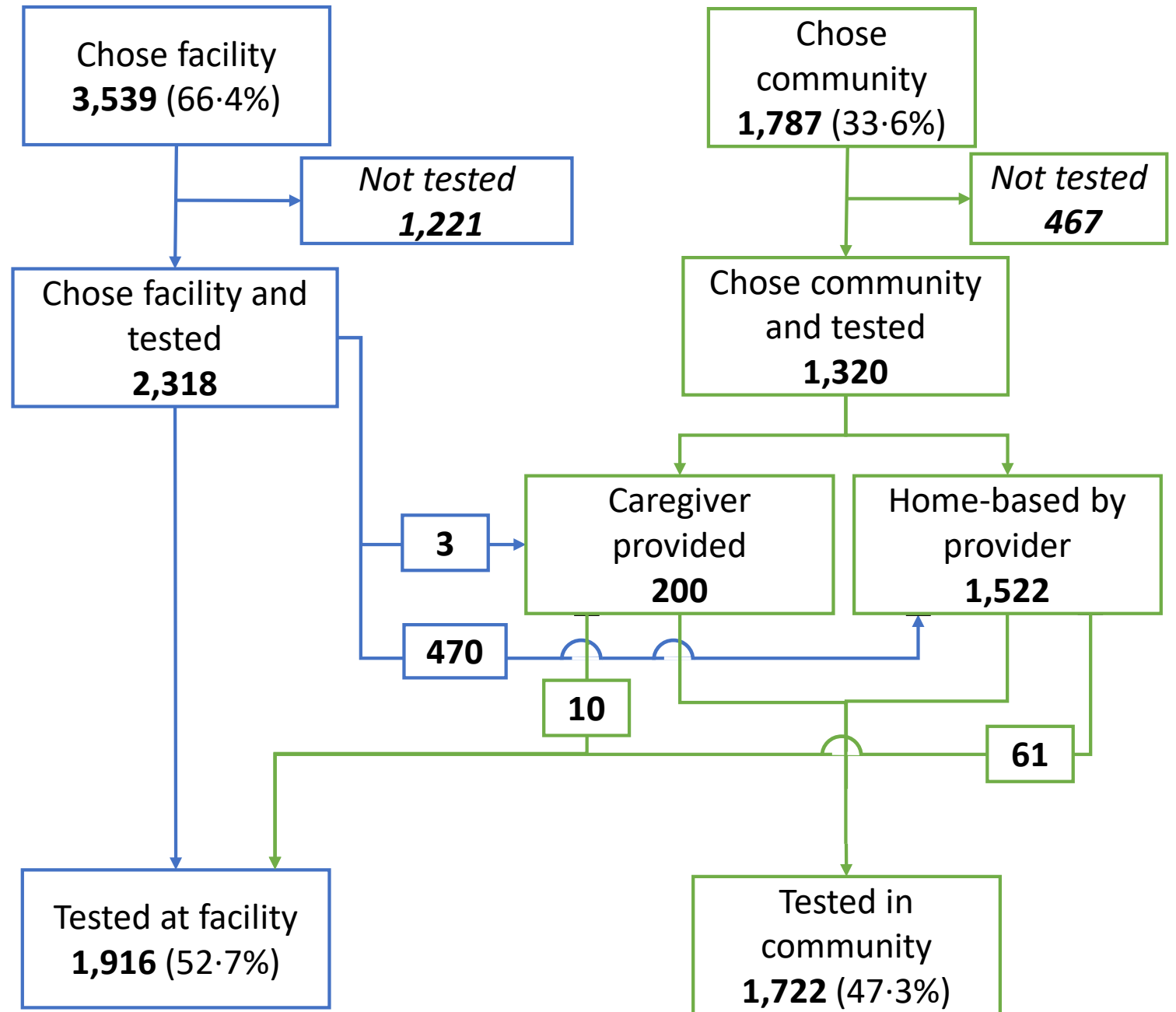
Which children are tested?

		All eligible children N=6062	Tested N=3638	OR (95% CI)	p
Child's sex	Male	2940	1720 (58.5%)	1.00	-
	Female	3115	1911 (61.3%)	1.10 (1.03-1.19)	0.008
Child's age (years)	2-5	1801	1159 (64.4%)	1	-
	6-9	1586	956 (60.3%)	0.99 (0.89-1.09)	0.80
	10-15	1981	1174 (59.1%)	0.91 (0.83-1.00)	0.05
	16-18	687	342 (49.8%)	0.75 (0.66-0.85)	<0.001
Biological child of index	No	2482	1466 (59.1%)	1.00	-
	Yes	3573	2165 (60.6%)	1.12 (0.96-1.32)	0.16
Mother's HIV status	HIV positive	3223	2048 (63.5%)	1.00	-
	HIV negative	901	585 (64.9%)	0.90 (0.76-1.07)	0.24
	Index does not know	920	475 (51.6%)	0.81 (0.68-0.98)	0.03

Testing is more likely if

- Child is a girl
- Child is younger (<10 years)
- Child is the biological child of index (weak effect)
- Mother's HIV status is known

Where do people choose to test and where do they actually test?



Who chooses community-based testing?

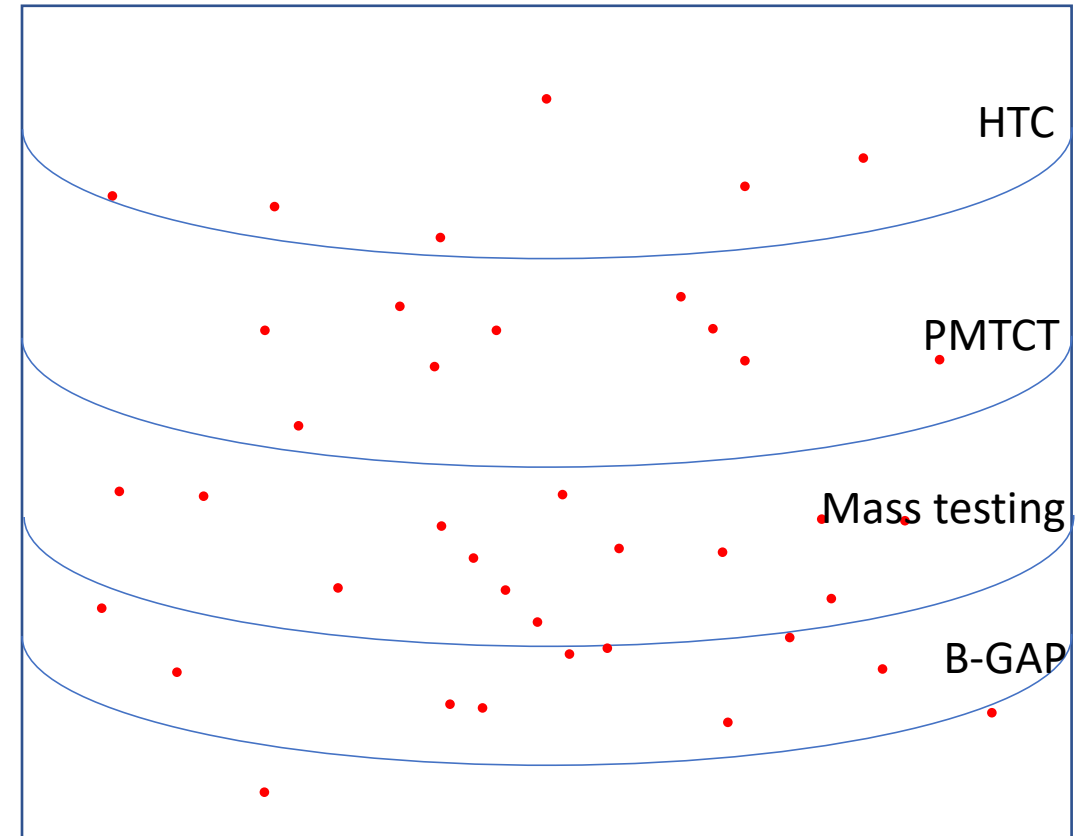
		Chose community testing (N=1787)	Odds Ratio (95% CI)	p-value
Site	Rural	448 (21.7%)	1	-
	Urban	1339 (41.1%)	2.31 (1.82-2.93)	<0.001
Cost to travel to facility	Free	1090 (28.1%)	1	-
	Not free	697 (48.4%)	1.21 (1.15-2.28)	<0.001
Time since index's HIV diagnosis	<1 year	132 (25.5%)	1	-
	1-5 years	815 (34.4%)	1.62 (1.11-2.37)	0.01
	>6 years	804 (33.7%)	1.70 (1.15-2.50)	0.007
Child's age (years)	2-5	472 (29.3%)	1	-
	6-9	474 (34.4%)	1.22 (1.04-1.43)	0.02
	10-15	645 (36.8%)	1.38 (1.17-1.63)	<0.001
	16-18	195 (33.7%)	1.14 (0.90-1.44)	0.27
Child's HIV status	Never tested	1028 (36.4%)	1	-
	HIV negative >6 months ago	758 (30.3%)	1.37 (1.15-1.64)	<0.001

Community testing is more likely if

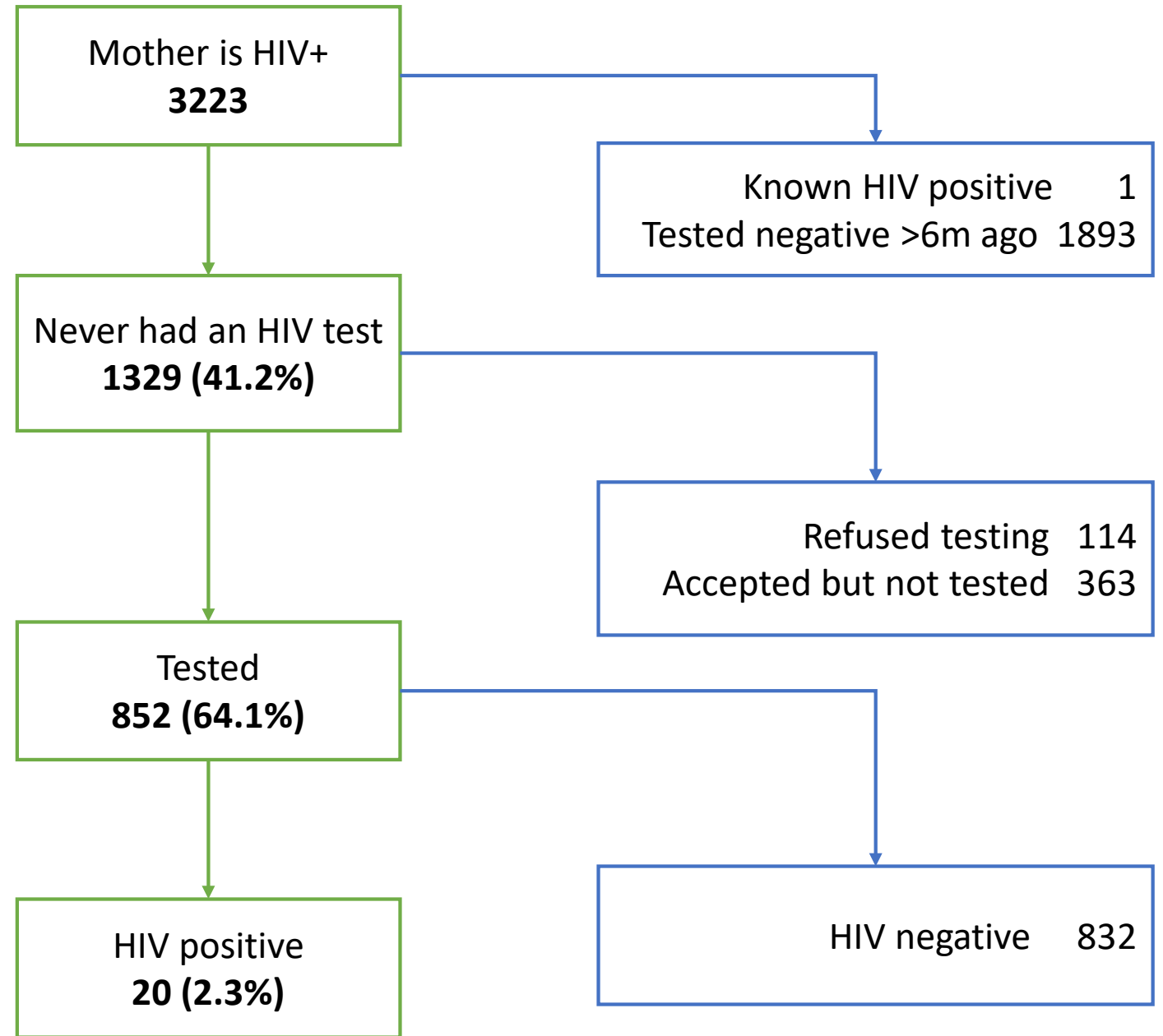
- Urban area (Bulawayo)
- Travel is not free
- Index was diagnosed ≥ 1 year ago
- Child is aged >5 years
- Child has been tested before

Low yield, 39/3638 (1.1%)

- Effective PMTCT (94% coverage)
- Previous mass testing
- Most at risk children may not be reached



Children whose mother is HIV positive



Lessons learned

1. Index-linked testing is acceptable
2. HIV testing can be done by lay workers
3. People will accept community-based testing although it was not their first choice
4. Follow-up is a problem
5. Older boys are left behind
6. Yield is low

