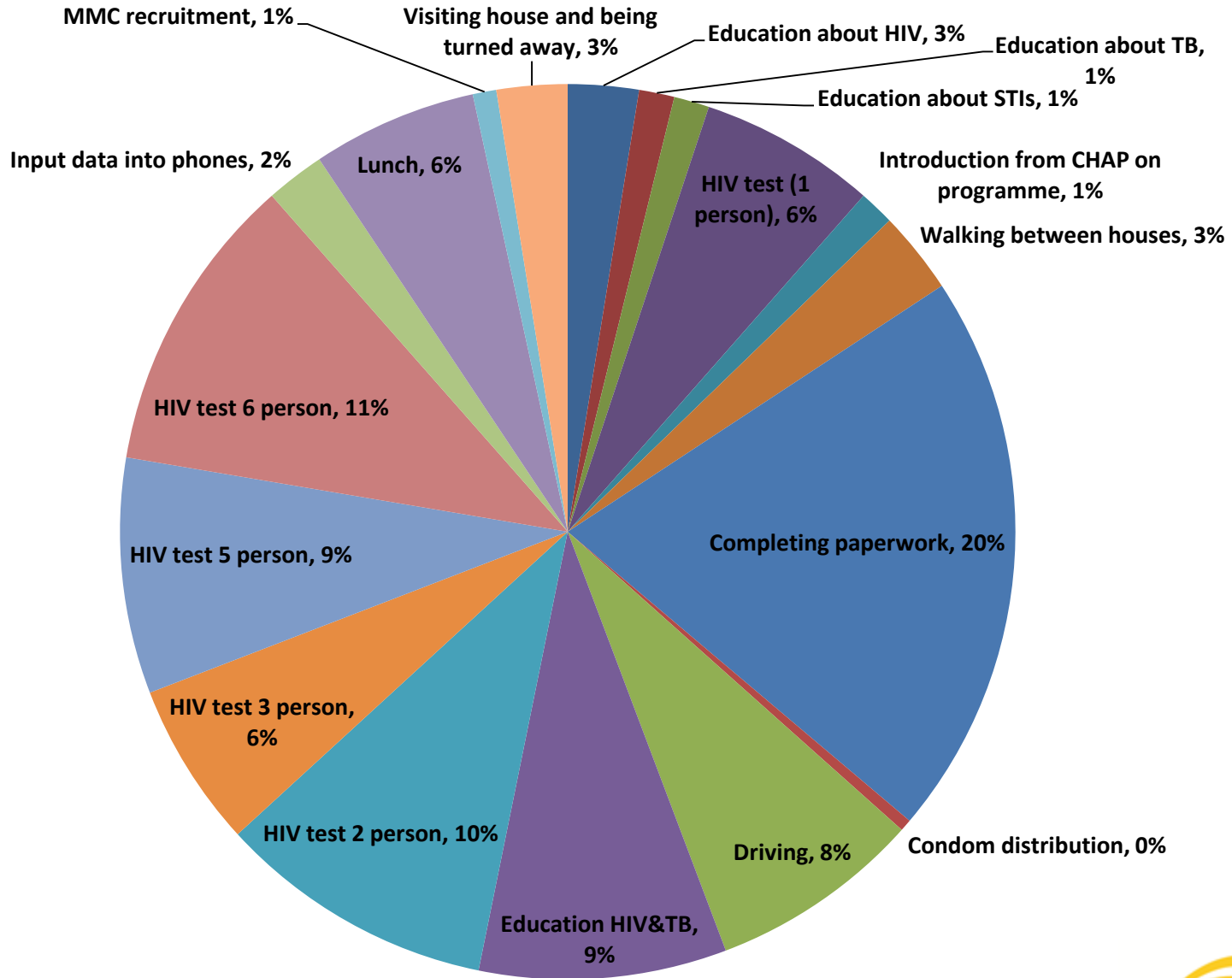


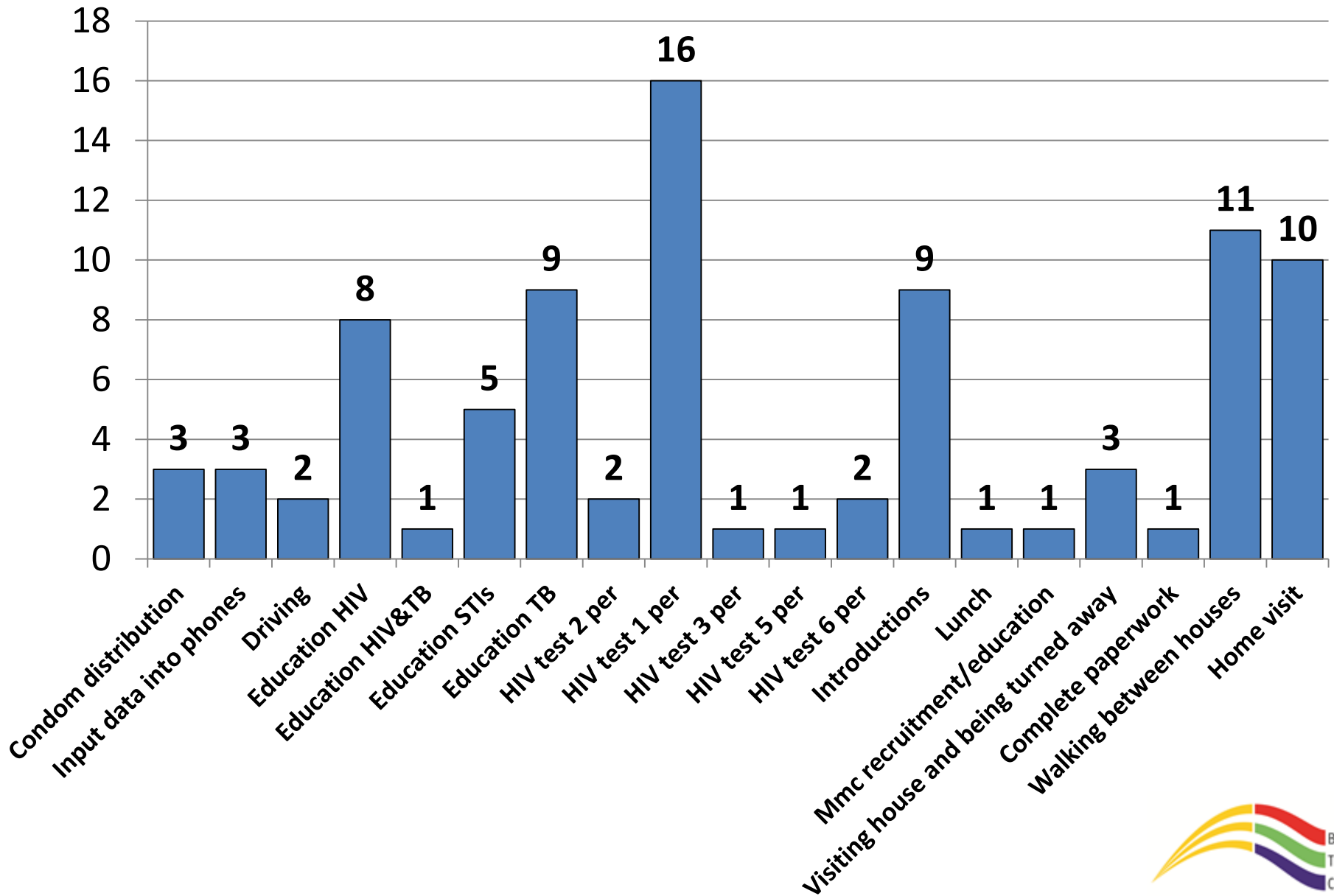
Time and Motion of CHAPs in Eshowe, KZN

November 2017

Division of time between activities



Number of observations by type of activity



Median time spent on activities observed

Activity	Number of observations	Median (minutes)	Range (25 th - 75 th percentile) (minutes)
Education about HIV	8	6	3.5 - 7
Education about TB	9	3	2 -5
Education about STIs	5	3	2 – 4
HIV test (1 person)	16	15	12 - 18.5
Introduction from CHAP on programme	9	3	2 - 9
Walking between houses	11	7	4 - 12

Median time spent on activities observed cont...

Activity	Number of observations	Median (minutes)	Range (25 th - 75 th percentile) (minutes)
Completing paperwork	1	48	--
Condom distribution	3	1	1 – 2
Driving	2	18	6 – 30
Education HIV&TB	1	21	--
HIV test 2 person	2	23.5	14 – 33
HIV test 3 person	1	14	--
HIV test 5 person	1	20	--
HIV test 6 person	2	25.5	25 - 26
Input data into phones	3	5	2 - 14
Lunch	1	14	--
MMC recruitment	1	2	--
Visiting house and being turned away	3	6	5 - 7

Household demographics

Household	Time spent (minutes)	Adults (>15yrs)	Adult + at least 1 child	Total number of occupants
Home visit 5	19	1	No	1
Home visit 4	39	2	No	2
Home visit 6	38	2	No	2
Home visit 8	21	2	No	2
Home visit 2	76	4	No	4
Home visit 1	81	3	Yes	5
Home visit 3	47	4	Yes	5
Home visit 10	72	4	Yes	13
Home visit 9	70	5	Yes	11
Home visit 7	138	6	Yes	7

As children can be tested in parallel and adults cannot, it is difficult with this small sample to assess a linear relationship between household size and time spent at the house.

According to the observations on average a household visit takes 59 minutes*

This makes sense if you assume a minimum package of services per house with current model is:

	Time per activity (minutes)
Walking between houses	7
Introduction from CHAP on programme	3
Education about HIV	6
Education about TB	3
Education about STIs	3
HIV test x 2 single tests	30
Condom distribution	1
Data Entry	5
Total time spent at household	58

*On average there were 5 people per house visited, 10 households were observed.

Average Household Visit

