

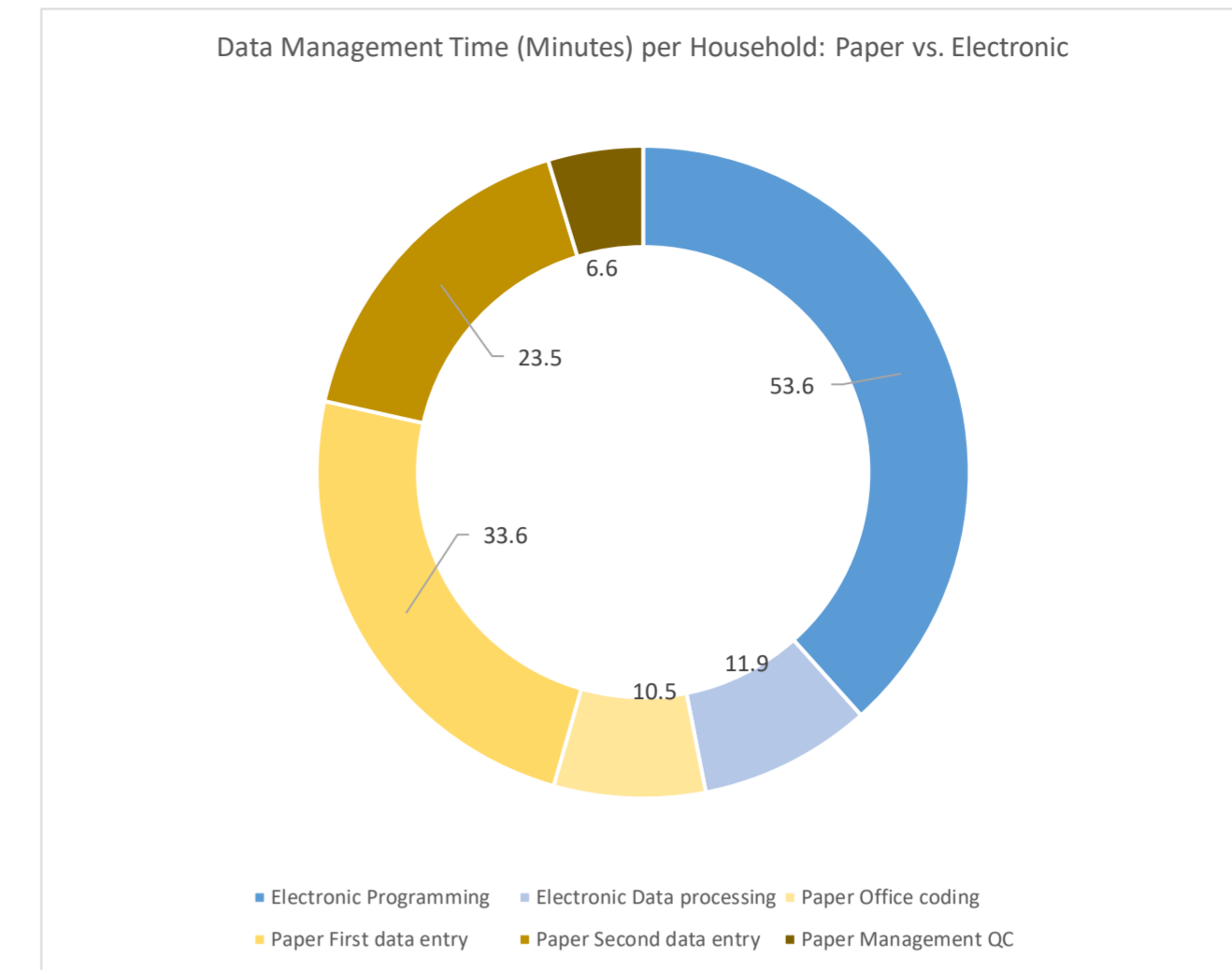
Line item	Panjshir - Paper Clusters			Panjshir - ODK Clusters			Parwan - Paper Clusters			Parwan - ODK Clusters			Remarks
	Units	Cost	Total	Units	Cost	Total	Units	Cost	Total	Units	Cost	Total	
Personnel cost: (Fee and Transportation cost)													
Interviewers (six-people per province)	15	\$75.00	\$6,750.00	15	\$75.00	\$6,750.00	15	\$75.00	\$6,750.00	15	\$75.00	\$6,750.00	\$75 fee per cluster per person
Editor (one-person per)	15	\$90.00	\$1,350.00	15	\$90.00	\$1,350.00	15	\$90.00	\$1,350.00	15	\$90.00	\$1,350.00	\$90 fee per cluster
Supervisor (one-person per province)	15	\$330.00	\$4,950.00	15	\$330.00	\$4,950.00	15	\$330.00	\$4,950.00	15	\$330.00	\$4,950.00	\$90 fee plus transportation cost \$240 per cluster
Total:			\$13,050.00			\$13,050.00			\$13,050.00			\$13,050.00	
Training Cost:													
Normal training cost to AHS field staff	8	\$425.46	\$3,403.67			\$0.00	8	\$425.46	\$3,403.67			\$0.00	20 days training for 8 persons, normal training ne
ODK Training for Panjsher and Parwan province			\$0.00	8	\$88.32	\$706.60			\$0.00	8	\$88.32	\$706.60	2 days training for 8 persons, two days extra train
ODK refresher training for Panjsher/Parwan			\$0.00	8	\$88.32	\$706.60			\$0.00	8	\$88.32	\$706.60	2 days training for 8 persons, as AHS survey was
Total:			\$3,403.67			\$1,413.19			\$3,403.67			\$1,413.19	
Equipment Cost:													
Costs of tablets for digital data collection (ODK)				6	\$144.12	\$864.71				6	\$144.12	\$864.71	
Costs of power banks				6	\$20.59	\$123.53				6	\$20.59	\$123.53	
Costs of umbrellas				6	\$1.47	\$8.82				6	\$1.47	\$8.82	
Costs of other equipment				6	\$10.29	\$61.76				6	\$10.29	\$61.76	cover of tablets
Total:						\$1,058.82						\$1,058.82	
Printing cost:													
Printing costs for paper survey forms	17550	\$0.015	\$258.09			\$0.00	17550	\$0.015	\$258.09			\$0.00	
Costs of photocopying paper													
Total:			\$258.09						\$258.09				
Total per province			\$16,711.75			\$15,522.01			\$16,711.75			\$15,522.01	
G-Total:												\$64,467.54	

ODK DATA MANAGEMENT HOURS WORKED		MONEY: ODK DATA MANAGEMENT					
ODK - programming	Hours worked B	Total minutes worked B	Euros / hour	USD/ hour	Total cost (USD)	Invoice Date	Note
SEHAT ODK Pilot	100	6,000	€ 25.00	\$27.00	\$2,700.00	8-nov-17	one module only
Questionnaire programming	140	8,400	€ 25.00	\$27.00	\$3,780.00	29-jan-18	
Set up 1 prov level survey in	348	20,880	€ 35.00	\$37.80	\$13,154.40	30-nov-18	rest of modules
Total programming	588	35,280			\$19,634.40		
ODK - processing (coding and data entry)	Hours worked DMU	Total minutes worked DMU	Euros / hour	USD/ hour	Total cost (USD)	Invoice Date	Note
Data entry operator ODK con	15	900			\$30.00	R 8th July 2020 email	
R ODK DM	80	4,800		\$29.38	\$2,350.00		estimate of R - skype
F ODK DM	36	2,160		\$1.46	\$52.65		estimate of R - skype
Total processing (coding and data entry)	131	7,860			\$2,432.65		
Total hours ODK	719	43,140			\$22,067.05		
		<i>total minutes ODK data mgmt</i>					
		<i>total hours ODK data mgmt</i>					
		<i>total hours ODK data processing (coding and cleaning) only</i>					
		<i>total 8-hour days ODK data processing (coding and cleaning) only</i>					
							89.88

PAPER DATA MANAGEMENT HOURS WORKED		MONEY: PAPER DATA MANAGEMENT							
PAPER	Hours worked DMU	Minutes worked DMU per cluster task	Average minutes per cluster-task	Total minutes worked DMU for all 30 paper clusters	Euros / hour	USD/ hour	Total cost (USD)	Source	Note
Coding - Parwan	3	47	227						
Coding - Panjshir	3	52	232	230	6,885	\$1.46	\$167.82		
data entry 1 - Parwan	13	42	822						
data entry 1 - Panjshir	10	51	651	737	22,095	\$1.46	\$538.57		
data entry 2 - Parwan	8	25	505						
data entry 2 - Panjshir	8	43	523	514	15,420	\$1.46	\$375.86	estimate of R - skype	
R Paper DM - P & P	36	0	2,160	72	2,160	\$29.38	\$1,057.50	estimate of R - skype	
M Paper DM - P & P	36	0	2,160	72	2,160	\$5.53	\$198.90		
Total hours paper			total minutes paper data mgmt	48,720	paper DM total cost		\$2,338.65		
			total hours paper data mgmt	812	paper DM cost per HH		\$3.56		
			total 8-hour days paper data mgmt	101.50					

TIME			
	total minutes	total minutes /HH	total number of households
Electronic	Programming	35,280	53.6
	Data processing	7,860	11.9
Paper	Office coding	6,885	10.5
	First data entry	22,095	33.6
	Second data entry	15,420	23.5
	Management QC	4,320	6.6

Daily rate Euros	Daily rate USD	Daily rate Afghanis	Afghani salary per moi	Source
	€ 10.76	\$11.70	900	
Data entry operators	€ 216.20	\$235.00		
R	€ 40.66	\$44.20	3400	68000 K staff salary sheet/ L
M	€ 10.76	\$11.70	900	K staff salary sheet / L
F				

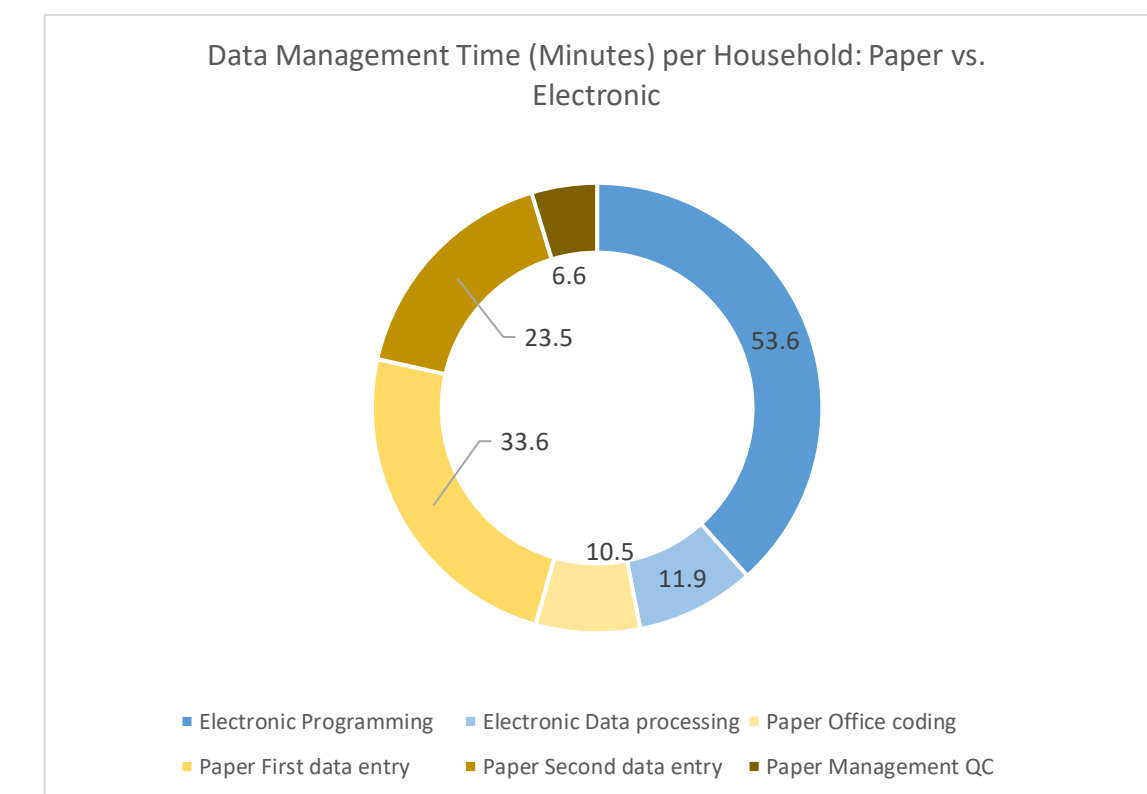


ODK DATA MANAGEMENT HOURS WORKED				MONEY: ODK DATA MANAGEMENT			
Activity	Hours worked B	Total minutes worked B	Euros / hour	USD/ hour	Total cost (USD)	Invoice Date	Note
ODK - programming							
SEHAT ODK Pilot	100	6,000	€ 25.00	\$5.53	\$552.50	8-nov-17	one module only
Questionnaire programming	140	8,400	€ 25.00	\$5.53	\$773.50	29-jan-18	
Set up 1 prov level survey in f	348	20,880	€ 35.00	\$5.53	\$1,922.70	30-nov-18	rest of modules
Total programming	588	35,280			\$3,248.70		
ODK - processing (coding and data entry)							
Data entry operator ODK cod	15	900			\$30.00		Source: R 8th July 2020 email
R ODK DM	80	4,800		\$29.38	\$2,350.00		estimate of R - skype
F ODK DM	36	2,160		\$1.46	\$52.65		estimate of R - skype
Total processing (coding and data entry)	131	7,860			\$2,402.65		
Total hours ODK	719	43,140			\$5,651.35		
		<i>total minutes ODK data mgmt</i>			<i>ODK DM total cost</i>		
		<i>total hours ODK data mgmt</i>			<i>ODK DM cost per HH</i>		

PAPER DATA MANAGEMENT HOURS WORKED					MONEY: PAPER DATA MANAGEMENT				
Activity	Hours worked DMU	Minutes worked DMU per cluster task	Average minutes per cluster-task	Total minutes worked DMU for all 30 paper clusters	Euros / hour	USD/ hour	Total cost (USD)	Source	Note
PAPER									
Coding - Parwan	3	47	227						
Coding - Panjshir	3	52	232	230	6,885	\$1.46	\$167.82		
data entry 1 - Parwan	13	42	822						
data entry 1 - Panjshir	10	51	651	737	22,095	\$1.46	\$538.57		
data entry 2 - Parwan	8	25	505						
data entry 2 - Panjshir	8	43	523	514	15,420	\$1.46	\$375.86		estimate of R - skype
R Paper DM - P & P	36	0	2,160	72	2,160	\$29.38	\$1,057.50		estimate of R - skype
M Paper DM - P & P	36	0	2,160	72	2,160	\$5.53	\$198.90		
Total hours paper			<i>total minutes paper data mgmt</i>	48,720			\$2,338.65		
			<i>total hours paper data mgmt</i>	812			<i>paper DM cost per HH</i>		

TIME			
Category	total minutes	total minutes /HH	total HH / PDC or EDC
Electronic			
Programming	35,280	53.6	658
Data processing	7,860	11.9	
Paper			
Office coding	6,885	10.5	657
First data entry	22,095	33.6	
Second data entry	15,420	23.5	
Management QC	4,320	6.6	

	Daily rate Euros	Daily rate USD	Daily rate Afghanis	Afghanis / month
Data entry operators	€ 10.76	\$11.70		900
R	€ 216.20	\$235.00		
M	€ 40.66	\$44.20		3400
F	€ 10.76	\$11.70		900
Avg salary programmer Afghanistan		\$49.27		3790



Forms per Province

700.00 male forms (each form has 27 pages)
600.00 femal forms (each form has 27 pages)
1.00 cost of printing of each is one Afghani
68.00 exchange rate

Normal Training

Perdiem	Days	Travel cost	Total
1200	20	800	24800
food cost	Days		Total
260	18		4680
		G-Total	29480

cost in USD per head
425.4582

ODK Training

Perdiem	Days	Travel cost	Total
1200	4	800	5600
food cost	Days		total
260	2		520
		G-Total	6120

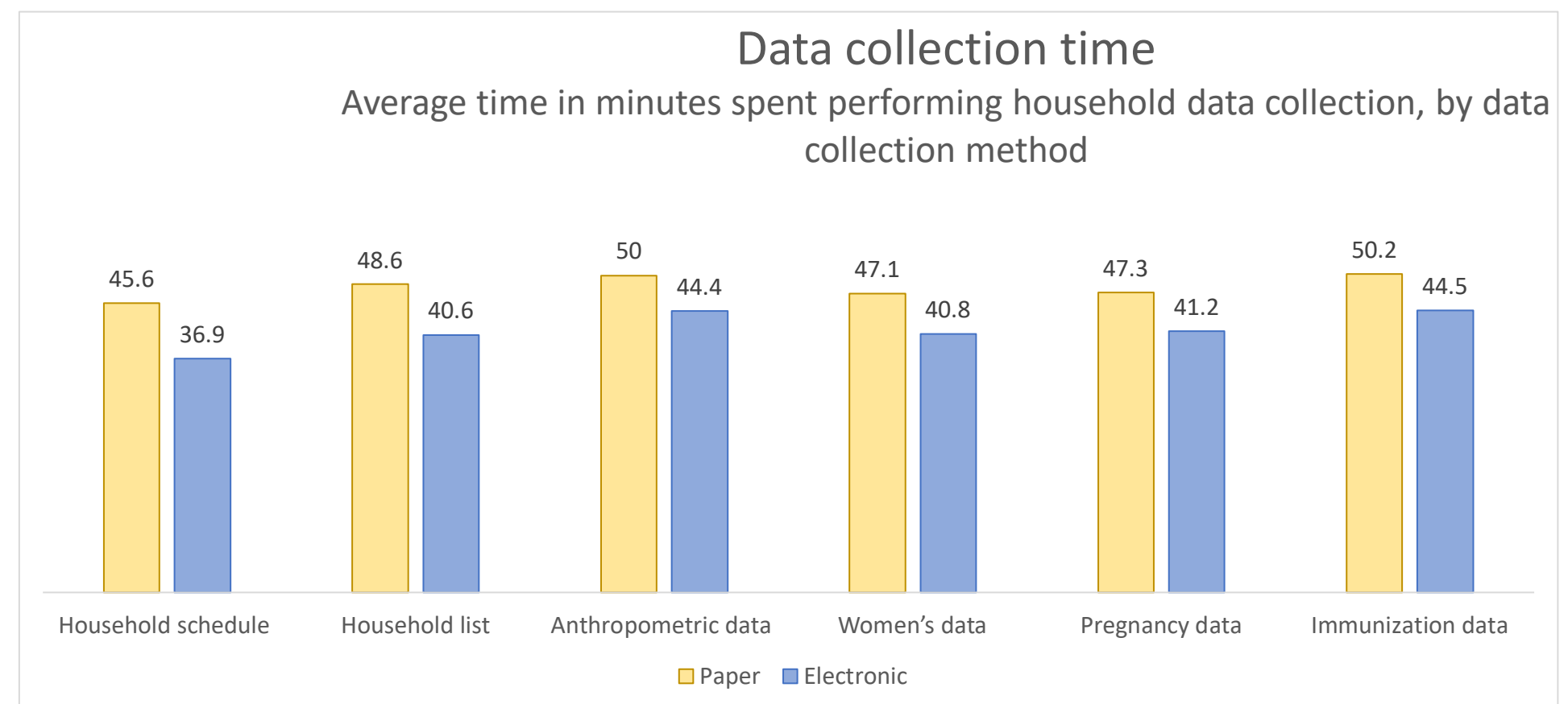
cost in USD per head
88.32443

AHS ODK Operational Study

Table 1

Module	Paper-based data collection time (in minutes)				Electronic data collection time (in minutes)				Comparison (mean difference in data collection time in minutes)			
	Mean	95% CI	N		Mean	95% CI	N		Diff	95% CI	p-value	
Household schedule	45.6	43.6	47.7	655	36.9	35.4	38.5	639	8.7	6.1	11.3	p < 0.0001
Household list	48.6	47.8	49.3	5,094	40.6	40.0	41.3	4,739	7.9	6.9	8.9	p < 0.0001
Anthropometric data	50.0	48.0	52.0	764	44.4	42.6	46.2	634	5.6	2.8	8.4	p < 0.0001
Women's data	47.1	45.1	49.1	692	40.8	39.0	42.6	590	6.2	3.5	9.0	p < 0.0001
Pregnancy data	47.3	45.1	49.5	591	41.2	39.4	43.1	528	6.1	3.2	9.0	p < 0.0001
Immunization data	50.2	48.2	52.2	752	44.5	42.7	46.4	602	5.7	2.9	8.5	p < 0.0001
Total (Sum all modules)	288.8	277.8	299.8	8,548	248.4	239.1	258.1	7,732	40.2	25.4	55.1	
Total (Average per module)	48.4	47.8	49.0	8,548	41.0	40.5	41.5	7,732	7.4	6.6	8.2	p < 0.0001

	Paper	Electronic
Household schedule	45.6	36.9
Household list	48.6	40.6
Anthropometric data	50	44.4
Women's data	47.1	40.8
Pregnancy data	47.3	41.2
Immunization data	50.2	44.5



Module
Household schedule

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	655	45.61374	1.037861	26.56195 43.5758 47.65168
	1	639	36.91706	0.796682	20.13888 35.35262 38.48149
combined	1,294	41.31917	0.667125	23.99796	40.0104 42.62793
diff		8.696683	1.312758		6.121311 11.27205

Household list

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	5,094	48.5744	0.388692	27.74182 47.8124 49.3364
	1	4,739	40.63684	0.315284	21.70428 40.01874 41.25495
combined	9,833	44.74891	0.255401	25.3259	44.24827 45.24954
diff		7.937558	0.504853		6.947943 8.927173

Anthropometric data

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	764	49.97775	1.03145	28.50984 47.95293 52.00256
	1	634	44.38486	0.925715	23.3089 42.56701 46.2027
combined	1,398	47.44134	0.706535	26.41723	46.05536 48.82733
diff		5.592891	1.411814		2.823384 8.362397

Women's data

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	692	47.06792	1.019144	26.8095 45.06693 49.06891
	1	590	40.82881	0.907366	22.03985 39.04675 42.61088
combined	1,282	44.19657	0.69584	24.91457	42.83146 45.56168
diff		6.239106	1.385721		3.520572 8.957639

Pregnancy data

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	591	47.33672	1.114174	27.08611 45.14849 49.52495
	1	528	41.24242	0.950913	21.85032 39.37438 43.11047
combined	1,119	44.46113	0.745249	24.92967	42.99888 45.92337
diff		6.094293	1.482361		3.185767 9.002819

Immunization data

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	752	50.20745	1.040128	28.52302 48.16554 52.24935
	1	602	44.52326	0.937798	23.00952 42.6815 46.36501
combined	1,354	47.68021	0.71631	26.35788	46.27501 49.08541
diff		5.684191	1.433716		2.871641 8.496741

All modules appended

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
	0	8,548	48.4091	0.299494	27.68982 47.82202 48.99618
	1	7,732	40.99534	0.24935	21.92578 40.50655 41.48414
combined	16,280	44.88802	0.198979	25.38837	44.498 45.27804
diff		7.413758	0.394212		6.641059 8.186456

DATA ARE NOT PRECISE INDICATORS OF ELAPSED TIME: SKYPE CALL RAJAL 12 SEPTEMBER: ELAPSED TIME INDICATED BY TIME STAMPS ARE NOT ACCURATE REFLECTIONS OF CLUSTER LEVEL DATA ENTRY.
 REASON DATA ARE NOT PRECISE: DATA ENTRY OPERATORS MAY HAVE WORKED ON OTHER CLUSTERS OR OTHER TASKS IN THIS ELAPSED TIME.
 THIS CAME UP WHEN CM ASKED RSY IF DEO'S REALLY WORKED THROUGH WEEKENDS OR UP TO 4-7 DAYS PER CLUSTER. RSY INDICATED THAT MOST DEOS REQUIRED 1-2 DAYS PER CLUSTER, WHILE SOME OF THESE RESULTS INDICATE 3+ DAYS

Parwan Single Entry Process

SN	Province	Oper Nam	Cluster	Time Sta	Date Sta	Time End	Date End	Total number working days	weekend included	Time elapsed in intervening days	Parwan Single Entry Hours Elapsed
1	Parwan	Zkrullah	0073	10:35	31-3-2018	09:10	2-4-2018	3	y	08:00	15:35:00
2	Parwan	Abid	0072	11:15	31-3-2018	09:30	2-4-2018	3	y	08:00	15:15:00
3	Parwan	Madina	0071	15:00	4-4-2018	14:50	6-4-2018	3	n	08:00	16:50:00
4	Parwan	Reeta	0077	15:50	4-4-2018	10:50	5-4-2018	2	n		4:00:00
5	Parwan	Zkrullah	0075	11:20	7-4-2018	15:55	7-4-2018	1	y		4:35:00
6	Parwan	Agha M	0085	08:40	5-5-2018	13:50	6-5-2018	2	y		14:10:00
7	Parwan	Somaya	0080	08:00	6-5-2018	14:50	7-5-2018	2	y		15:50:00
8	Parwan	Shafiq	0076	08:10	6-5-2018	11:40	9-5-2018	4	y	16:00	28:30:00
9	Parwan	Nasrullah	0081	08:20	6-5-2018	08:50	8-5-2018	3	y	08:00	17:30:00
10	Parwan	Nasrullah	0082	08:30	6-5-2018	09:50	9-5-2018	4	y		16:00
11	Parwan	Shafiq	0090	10:20	27-5-2018	10:50	29-5-2018	3	n	08:00	17:30:00
12	Parwan	Toofan	0086	12:55	27-5-2018	08:20	28-5-2018	2	n		4:25:00
13	Parwan	Toofan	0088	08:25	28-5-2018	08:20	29-5-2018	2	n		8:55:00
14	Parwan	Nasrullah	0087	08:30	28-5-2018	10:45	3-6-2018	7	y	16:00	91:15:00
15	Parwan	Faisal	0083	15:30	28-5-2018	08:45	30-5-2018	3	n	08:00	10:15:00
16	Parwan	Roya	0089	11:10	9-3-2018	17:30	9-3-2018	1	n		6:20:00
17											
18											
19										median minus 1 hour lunch b	14:15:00
20										average	12:44:00
21											
22											
23											14:35:00
24											14:15:00
25											15:50:00
26											3:00:00
27											3:35:00
28											13:10:00
29											14:50:00
30											27:30:00
											16:30:00
											25:20:00
											16:30:00
											3:25:00
											7:55:00
											12:44:00
											imputed average
											9:15:00
											5:20:00
											13:42:30
											203:44:00

16 Start time 08:00
End time 17:00

Parwan Verify Entry Process

SN	Province	Oper Nam	Cluster	Time Sta	Date Sta	Time End	Date End	Total number working days	weekend included	Time elapsed in intervening days	Parwan Verification Entry Time Elapsed	Parwan VE Hours Elapsed - Manual
1	Parwan	A	0073	10:30	6-5-2018	09:30	7-5-2018	2	y		08:00	8.0
2	Parwan	B	0072	11:30	6-5-2018	14:20	8-5-2018	3	y	08:00	19:50	19.8
3	Parwan	C	0071	14:10	6-5-2018	08:40	8-5-2018	3	y	08:00	11:30	11.5
4	Parwan	D	0077	10:10	7-5-2018	09:00	8-5-2018	2	n		07:50	7.8
5	Parwan	E	0075	09:40	7-5-2018	09:50	8-5-2018	2	n		09:10	9.2
6	Parwan	F	0082	08:30	13-5-2018	14:50	13-5-2018	1	y		06:20	5.2000
7	Parwan	G	0076	10:30	13-5-2018	16:10	13/5/2018	1	y		05:40	4.4000
8	Parwan	H	0080	13:30	13-5-2018	08:50	15-5-2018	3	y	08:00	12:20	12.3
9	Parwan	I	0081	15:00	13-5-2018	13:10	14-5-2018	2	y		07:10	7.2
10	Parwan	J	0085	16:15	13/7/2018	14:50	14-5-2018	2	y		07:35	7.6
11	Parwan	K	0088	16:20	9-6-2018	09:35	11-6-2018	3	n	08:00	10:15	10.3
12	Parwan	L	0087	09:40	11-6-2018	10:21	12-6-2018	2	y		09:41	9.7
13	Parwan	M	0083	10:25	12-6-2018	10:10	13-6-2018	2	y		08:45	8.8
14	Parwan	N	0086	10:20	13-6-2018	10:00	18-6-2018	6	y	16:00	08:40	
15	Parwan	O	0090	09:00	26-6-2018	08:30	28-6-2018	3	y	08:00	16:30	16.5
16	Parwan	P	0089	08:00	3-9-2018	14:25	4-9-2018	2	n		15:25	15.4
17												
18												
19										median minus 1 hour lunch break		8:10:00
20										average		9:24:04
21												
22												7:00:00
23												18:50:00
24												10:30:00
25												6:50:00
26												8:10:00
27												5:20:00
28												4:40:00
29												11:20:00
30												6:10:00
												6:35:00
												9:15:00
												8:41:00
												7:45:00
												15:30:00
												14:25:00
												imputed average
												8:25:30
												150:25:04

16

Panjsheer Single Entry Process

SN	Province	Oper Nam	Cluster	Time Sta	Date Sta	Time End	Date End	Total number working days	weekend included	Time elapsed in intervening days	Panjsheer Single Entry Time Elapsed
1	Panjsheer	Ahmad Fal	0211	10:40	31-3-2018	09:20	3-4-2018	4	y	08:00	
2	Panjsheer	Reeta	0213	10:00	3-4-2018	10:30	3-4-2018	2	n		09:30
3	Panjsheer	Zkrullah	0212	10:50	3-4-2018	15:50	3-4-2018	1	n		05:00
4	Panjsheer	Madina	0215	14:55	6-4-2018	11:50	8-4-2018	3	y	08:00	13:55
5	Panjsheer	Reeta	0214	08:20	7-4-2018	08:45	8-4-2018	2	y		09:25
6	Panjsheer	Agha M	0217	14:20	3-5-2018	08:35	5-5-2018	3	y	08:00	11:15
7	Panjsheer	Reeta	0223	14:30	3-5-2018	12:50	5-4-2018	3	y	08:00	15:20
8	Panjsheer	Reeta	0222	13:00	4-5-2018	10:30	5-5-2018	2	y		06:30
9	Panjsheer	Arhad	0221	15:10	4-5-2018	10:30	5-5-2018	2	y		04:20
10	Panjsheer	Reeta	0218	10:40	4-5-2018	09:50	6-5-2018	3	y	08:00	16:10
11	Panjsheer	Rohullah	227	07:10	29-5-2018	11:50	30-5-2018	2	n		13:40
12	Panjsheer	Nasratullah	0216	07:10	29-5-2018	11:30	30-5-2018	2	n		13:20
13	Panjsheer	M.Eiyas	0226	07:15	29-5-2018	09:50	31-5-2018	3	n		19:35
14	Panjsheer	M.Muskin	0219	07:20	29-5-2018	12:50	31-5-2018	3	n	08:00	22:30
15	Panjsheer	Toofan	0220	08:30	29-5-2018	14:00	29-5-2018	1	n		4:50:00
16											median minus 1 hour lunch b
17											11:17:30
18											10:51:26
19											imputed average
20											10:51:26
21											8:30:00
22											4:00:00
23											12:55:00
24											8:25:00
25											10:15:00
26											14:20:00
27											5:30:00
28											3:20:00
29											15:10:00
30											12:40:00
											12:20:00
											18:35:00
											21:30:00
											4:30:00
											10:51:26
											162:51:26

15

Panjsheer Verify Entry Process

SN	Province	Oper Nam	Cluster	Time Sta	Date Sta	Time End	Date End	Total number working days	weekend included	Time elapsed in intervening days	Panjsheer Verification Entry Time Elapsed	Panjsheer VE Hours Elapsed - Manual
1	Panjsheer	Q	0211	08:50	8-5-2018	13:40	9-5-2018	2	n		13:50:00	12:50:00
2	Panjsheer	R	0213	09:10	8-5-2018	16:30	8-5-2018	1	n		7:20:00	6:20:00
3	Panjsheer	S	0215	10:05	8-5-2018	14:20	9-5-2018	2	n		13:15:00	12:15:00
4	Panjsheer	T	0212	14:25	6-5-2018	13:40	10-5-2018	5	y	24:00:00	32:15:00	13.3
5	Panjsheer	U	0214	08:20	9-5-2018	11:00	10-5-2018	2	n		11:40:00	10:40:00
6	Panjsheer	V	0222	08:20	14-5-2018	09:30	6-3-2018	2	n			
7	Panjsheer	W	0217	08:30	14-5-2018	15:00	14-5-2018	1	n		6:30:00	5:30:00
8	Panjsheer	K	0221	13:20	14-5-2018	11:40	15-5-2018	2	n		7:20:00	6:20:00
9	Panjsheer	Y	0218	15:30	14-5-2018	15:50	15-5-2018	2	n		9:20:00	8:20:00
10	Panjsheer	Z	0223	08:50	15-5-2018	09:00	16-5-2018	2	n		9:10:00	8:10:00
11	Panjsheer	AA	0227	10:20	18-6-2018	15:30	19-6-2018	1	n		14:10:00	13:10:00
12	Panjsheer	BB	0219	08:20	19-6-2018	13:45	20-6-2018	2	n		14:25:00	13:25:00
13	Panjsheer	CC										

	Parwan	Panjshir	Both Provinces
Total households interviewed	655	660	1315
Median coding time	3:47:30	3:52:30	
Median single data entry time	13:42:30	8:25:30	
Median double data entry time	10:51:26	8:43:34	
Total coding time	64:24:32	94:02:40	158:27:12
Total single data entry time	203:44:00	150:25:04	354:09:04
Total double data entry time	162:51:26	145:54:17	308:45:43
Total coding and data entry time	430:59:58	390:22:01	821:21:59
Total coding and data entry time per household	0:39:29	0:35:29	0:37:29
Total coding time per household	0:05:54	0:08:33	0:07:14
Total single data entry time per household	0:18:40	0:13:40	0:16:10
Total double data entry time per household	0:14:55	0:13:16	0:14:05
Total data entry time per household	0:33:35	0:26:56	0:30:15

all elapsed time shown in hh:mm:ss format

Additional quality control performed by two lead DMU staff (hours)

72 18.26389

FINAL DATASET

	ODK	paper
total missing data points sum:	626	1953
total data points sum:	55466	59980
	1.1%	3.3%

PRE-CLEANED DATASET

	ODK	paper
total missing data points sum:	901	1202
total data points sum:	54482	59424
	1.7%	2.0% <i>excludes pregnancy data (26 observations total) from odk dataset</i>

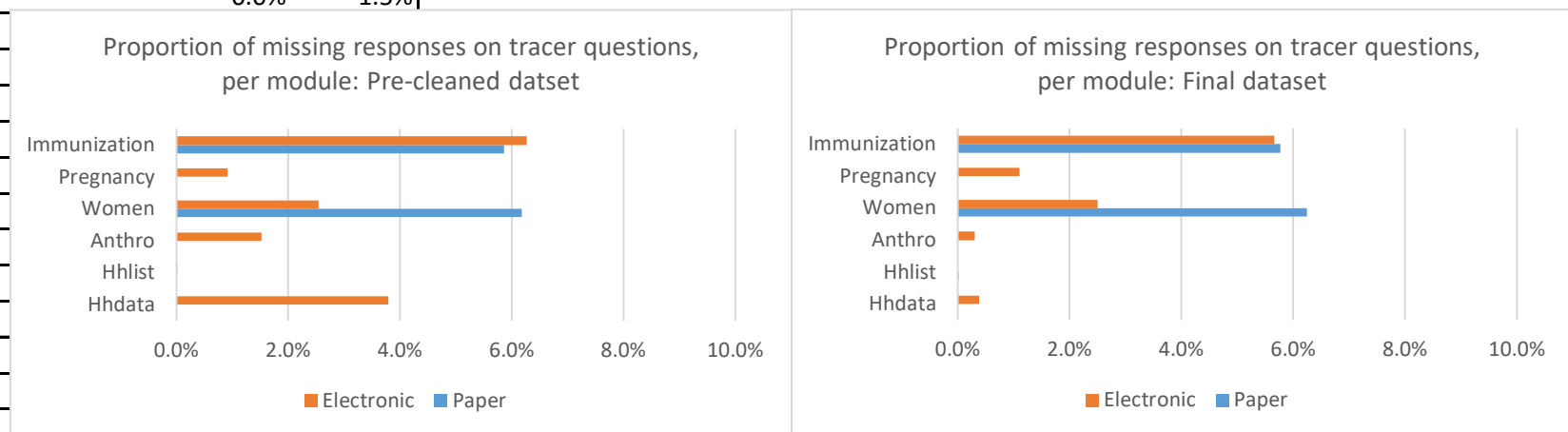
Pre-cleaned Dataset	Paper			Electronic			Comparison (paper - electronic)	
	N missing	N total	% Missing	N missing	N total	% Missing	N missing	% Missing
Hhdata	0	6530	0.0%	249	6570	3.8%	-249	-3.8%
Hhlist	0	30432	0.0%	6	29358	0.0%	-6	0.0%
Anthro	0	1518	0.0%	20	1314	1.5%	-20	-1.5%
Women	851	13780	6.2%	310	12200	2.5%	541	3.6%
Pregnancy	0	1180	0.0%	10	1094	0.9%	-10	-0.9%
Immunization	351	5984	5.9%	316	5040	6.3%	35	-0.4%
Total	1202	59424	2.0%	911	55576	1.6%	291	0.4%

Final Dataset	Paper			Electronic			Comparison (paper - electronic)	
	N missing	N total	% Missing	N missing	N total	% Missing	N missing	% Missing
Hhdata	0	6570	0.0%	25	6580	0.4%	-25	-0.4%
Hhlist	6	30738	0.0%	0	29382	0.0%	6	0.0%
Anthro	0	1536	0.0%	4	1306	0.3%	-4	-0.3%
Women	868	13900	6.2%	304	12140	2.5%	564	3.7%
Pregnancy	0	1188	0.0%	12	1090	1.1%	-12	-1.1%
Immunization	349	6048	5.8%	281	4968	5.7%	68	0.1%
Total	1223	59980	2.0%	626	55466	1.1%	597	0.9%

Proportion of missing responses on tracer questions, per module

Pre-cleaned Dataset	Paper	Electronic
Hhdata	0.0%	3.8%
Hhlist	0.0%	0.0%
Anthro	0.0%	1.5%
Women		
Pregnancy		
Immunization		
Total		

Final Dataset	Paper	Electronic
Hhdata		
Hhlist		
Anthro		
Women		
Pregnancy		
Immunization		
Total	2.0%	1.1%



essential variable	FINAL DATASET				PRE-CLEANED DATASET				number essential variables:	10
	number missing odk	percent missing odk	number missing paper	percent missing paper	number missing odk	percent missing odk	number missing paper	percent missing paper		
q200	2	0.3%	0	0%	24		0			
q201	2	0.3%	0	0%	24		0			
q202	2	0.3%	0	0%	25		0			
q203	1	0.2%	0	0%	24		0			
q205	1	0.2%	0	0%	23		0			
q206	1	0.2%	0	0%	24		0			
q207	1	0.2%	0	0%	24		0			
q210	2	0.3%	0	0%	24		0			
q211	3	0.5%	0	0%	25		0			
q212	10	1.5%	0	0%	32		0			
denominator	658		657		657		653			
total possible data points	6580		6570		6570		6530			
number var's w/ missing d	10		0							
% var's w/ missing data	100%		0%							
number of missing data pc	25		0		249		0			
% missing data points	0.4%		0.0%							

essential variable	FINAL DATASET				PRE-CLEANED DATASET				number essential variables:
	number missing odk	percent missing odk	number missing paper	percent missing paper	number missing odk	percent missing odk	number missing paper	percent missing paper	
q101	0	0.00%	0	0.00%	n/a		0		6
q103	0	0.00%	4	0.08%	4		0		
q104	0	0.00%	0	0.00%	0		0		
q105	0	0.00%	0	0.00%	0		0		
q151	0	0.00%	0	0.00%	0		0		
q170	0	0.00%	2	0.04%	2		0		
denominator	4897		5123		4893		5072		
total possible data points	29382		30738		29358		30432		
number var's w/ missing d	0		2						
% var's w/ missing data	0%		33%						
number of missing data pc	0		6		6		0		
% missing data points	0%		0%						

essential variable	FINAL DATASET				PRE-CLEANED DATASET				number essential variables:
	number missing odk	percent missing odk	number missing paper	percent missing paper	number missing odk	percent missing odk	number missing paper	percent missing paper	
q250a	0	0%	0	0%	5		0		2
q250b	4	1%	0	0%	15		0		
denominator	653		768		657		759		
total possible data points	1306		1536		1314		1518		
number var's w/ missing da	1		0						
% var's w/ missing data	50%		0%						
number of missing data poi	4		0		20		0		
% missing data points	0.3%		0.0%						

essential variable	FINAL DATASET				PRE-CLEANED DATASET				number essential variables:	20
	number missing odk	percent missing odk	number missing paper	percent missing paper	number missing odk	percent missing odk	number missing paper	percent missing paper		
q301	0	0%	43	6%	0		42			
q302month	8	1%	43	6%	8		42			
q302year	11	2%	43	6%	11		42			
q303	0	0%	43	6%	0		42			
q304	14	2%	43	6%	14		42			
q305	20	3%	43	6%	20		42			
q306	21	3%	43	6%	21		42			
q307	21	3%	43	6%	21		42			
q308	22	4%	43	6%	22		42			
q310	11	2%	43	6%	11		42			
q401	0	0%	43	6%	0		42			
q408	21	3%	43	6%	21		42			
q410	47	8%	43	6%	47		42			
q411										
q412										
q501	20	3%	45	6%	20		44			
q506	24	4%	45	6%	24		44			
q601	22	4%	45	6%	22		44			
q602	0	0%	45	6%	0		44			
q901	21	3%	43	6%	23		43			
q908	21	3%	43	6%	23		43			
q950	0	0%	43	6%	2		43			
denominator	607		695		610		689			
total possible data points	12140		13900		12200		13780			
number var's w/ missing data	15		20		16		20			
% var's w/ missing data	75%		100%		80%		100%			
number of missing data points	304		868		310		851			
% missing data points	2.5%		6.2%		2.5%		6.2%			
q309*	590	97%	644	93%	593		638			
% q309/all missing data	0.97199341		0.926618705		0.972131148		0.925979681			

essential variable	FINAL DATASET				PRE-CLEANED DATASET				number of essential variables:
	number missing odk	percent missing odk	number missing paper	percent missing paper	number missing odk	percent missing odk	number missing paper	percent missing paper	
q414	6	1%	0	0%	5		0		2
q415	6	1%	0	0%	5		0		
denominator	545		594		547		590		
total possible data points	1090		1188		1094		1180		
number var's w/ missing da	2		0						
% var's w/ missing data	100%		0%						
number of missing data poi	12		0		10		0		
% missing data points	1.1%		0.0%						

essential variable	FINAL DATASET				PRE-CLEANED DATASET				number of essential variables:
	number missing odk	percent missing odk	number missing paper	percent missing paper	number missing odk	percent missing odk	number missing paper	percent missing paper	
q702	0	0%	0	0%	4	0%	0	0%	8
q704	0	0%	0	0%	4	0%	0	0%	
q706	0	0%	0	0%	4	0%	0	0%	
q711	0	0%	0	0%	4	0%	0	0%	
q730	0	0%	0	0%	4	0%	0	0%	
q750	0	0%	0	0%	4	0%	1	0%	
q753*	274	44%	349	46%	281	46%	348	46%	
q769	7	1%	0	0%	11	0%	2	0%	
denominator	621		756		630		748		
total possible data points	4968		6048		5040		5984		
number var's w/ missing data	2		1						
% var's w/ missing data	25%		13%						
number of missing data points	281		349		316		351		
% missing data points	5.7%		5.8%						
*q753: Has [NAME] received any v	0.975088968		1.000000000		0.889240506		0.991452991		