

**S2 Table. Baseline population and participant demographics, and treatment coverage by village**

Village <sup>a</sup>	Population demographics					Participant demographics					Treatment coverage		
	Total	Male		Age		Total	Male		Age		n	% <sup>b</sup>	
	N	n	%	Median	IQR	N	%	n	%	Median			IQR
<b>IVM-2</b>													
1	107	57	53.3	24	10-37	88	82.2	47	53.4	16	9-36	88	82.2
5	224	120	53.6	32	11-52	180	80.4	97	53.9	27	11-48.5	179	79.9
9	60	31	51.7	33	10-52.5	48	80.0	25	52.1	20	9-47	48	80.0
11	197	94	47.7	32	12-52	141	71.6	63	44.7	26	10-47	141	71.6
12	142	70	49.3	34.5	17-60	114	80.3	52	45.6	31.5	14-59	113	79.6
14	40	23	57.5	41.5	14-55	32	80.0	20	62.5	20.5	10-52.5	32	80.0
20	108	57	52.8	21.5	10-44.5	90	83.3	46	51.1	18.5	8-43	90	83.3
21	101	52	51.5	33	9-48	78	77.2	39	50.0	28	7-45	76	75.2
23	142	77	54.2	26.5	9-45	127	89.4	71	55.9	20	8-42	125	88.0
28	172	92	53.5	28.5	8.5-43	146	84.9	80	54.8	29	10-43	144	83.7
31	198	104	52.5	27.5	10-47	178	89.9	96	53.9	22.5	9-45	177	89.4
33	127	63	49.6	20	8-46	115	90.6	58	50.4	19	8-46	115	90.6
Total IVM-2	1618	840	51.9	29	10-49	1337	82.6	694	51.9	25	9-46	1328	82.1
<b>IVM-1</b>													
6	79	40	50.6	38	12-55	67	84.8	35	52.2	33	10-53	67	84.8
7	66	37	56.1	31.5	13-44	47	71.2	27	57.4	23	11-40	47	71.2
10	240	129	53.8	31	12.5-52	204	85.0	109	53.4	29	12-50	204	85.0
13	73	31	42.5	44	16-69	59	80.8	25	42.4	36	13-55	59	80.8
15	151	73	48.3	31	13-52	126	83.4	64	50.8	24	12-46	126	83.4
17	86	49	57.0	30	12-51	78	90.7	46	59.0	23.5	12-49	78	90.7
19	99	59	59.6	25	10-44	84	84.8	47	56.0	22.5	9-42.5	84	84.8
22	139	66	47.5	31	8-52	116	83.5	49	42.2	31	8-51	116	83.5
24	45	26	57.8	38	29-53	40	88.9	23	57.5	42.5	29.5-59	40	88.9
25	92	41	44.6	31	8-51	75	81.5	34	45.3	20	8-50	75	81.5
27	146	74	50.7	26	9-45	127	87.0	62	48.8	23	9-44	127	87.0
35	160	78	48.8	16	15-18	159	99.4	78	49.1	16	15-18	159	99.4
Total IVM-1	1376	703	51.1	26	12-49	1182	85.9	599	50.7	22	11-46	1182	85.9
<b>SAT</b>													
2	18	9	50.0	52.5	15-65	18	100	9	50.0	52.5	15-65	9	50.0
3	204	106	52.0	31	11-48.5	167	81.9	81	48.5	26	10-48	11	5.4
4	107	54	50.5	35	10-53	84	78.5	43	51.2	31.5	9-48	33	30.8
8	102	51	50.0	43.5	14-60	78	76.5	38	48.7	42.5	13-57	27	26.5
16	98	46	46.9	29	11-51	86	87.8	41	47.7	27	10-49	32	32.7
18	253	132	52.2	25	9-38	215	85.0	111	51.6	22	9-37	139	54.9
26	297	159	53.5	23	11-48	266	89.6	135	50.8	22	10-48	105	35.4
29	298	160	53.7	22	9-42	169	56.7	96	56.8	21	9-41	105	35.2
30	75	35	46.7	36	24-54	67	89.3	32	47.8	36	23-55	12	16.0
32	118	71	60.2	31.5	10-53	106	89.8	64	60.4	27.5	10-50	37	31.4
34	46	29	63.0	32	21-53	37	80.4	23	62.2	36	21-55	6	13.0
Total SAT	1616	852	52.7	28.5	11-49	1293	80.0	673	52.0	27	10-48	516	31.9
Total all	4610	2395	52.0	28	11-49	3812	82.7	1966	51.6	25	10-47	3026	65.6

IVM-2: two-dose ivermectin-based mass drug administration; IVM-1: one-dose ivermectin-based mass drug administration; SAT: screen and treat with one-dose permethrin to index cases of scabies and their household contacts; IQR: interquartile range

<sup>a</sup> Villages 1–17 are on Rotuma; Villages 18–35 are on Gau; Median village size 108

<sup>b</sup> Percentage of census population treated