High Frequency Checks template

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Contents

```
## Loading required package: sp
```

```
## Warning: package 'sp' was built under R version 3.6.3
```

High Frequency Check - Examples

1. Overall checks

GIS Checks

check that the recorded site is the actual one

```
## Warning in showSRID(uprojargs, format = "PROJ", multiline = "NO"): Discarded datum WGS_1984 in CRS definiti
##  but +towgs84= values preserved
```

```
## Warning in showSRID(uprojargs, format = "PROJ", multiline = "NO"): Discarded datum WGS_1984 in CRS definiti
##  but +towgs84= values preserved
```

```
## Warning in showSRID(uprojargs, format = "PROJ", multiline = "NO"): Discarded datum WGS_1984 in CRS definiti
##  but +towgs84= values preserved
```

	enumerator_id	X__uuid	SiteRec	SiteReal
60	31	fb644f8a-1097-4db4-9b01-97107a53af00	jalia palong	teknaf paurashava
80	10028	2481c622-bf5b-42e2-ab25-d9a46742afef	nhilla	haldia palong
86	10052	4626ddd5-90c5-4c7e-abdc-2e2179b33fa2	nhilla	palong khali
89	78	d3cae2dc-bbc4-4026-b83a-5531fda52d11	nhilla	whykong
94	30003	ea2e587b-dd65-4d9c-9f0d-ca8cc3f877fd	nhilla	teknaf
96	57	f7aa8119-528f-44f7-99e5-268550ea7fa8	nhilla	haldia palong
118	43	6b9e8f88-7eb4-4303-b665-79a675b9e30b	nhilla	palong khali
129	10043	07d54a07-5df6-4e23-af2c-7946efafc2f2	palong khali	nhilla
164	10040	537049bf-064c-4543-af20-9dbd5d2e190a	palong khali	sabrang
165	18	5ff9bf97-77c3-4b89-a8b4-fe0dca902d4b	palong khali	nhilla
166	44	2b1ccb45-05b9-4794-81a3-b2e4827e5e5c	palong khali	nhilla
215	28	c5082fd0-aaa6-49b5-b296-372f4dc3dbbc	palong khali	whykong
250	10021	075f5546-88ae-4926-88e1-495d8dad1d45	raja palong	baharchhara
256	67	95073df3-96ba-41d0-87bf-f90c49b2dc96	raja palong	nhilla
278	50	ff125468-af39-424b-8f62-c2564b21424b	ratna palong	nhilla
290	18	269eeba8-426b-4231-a237-c5d4147b660c	ratna palong	jalia palong
301	83	4b8542b2-c4a0-4ba8-8bd4-a8ea6c04403a	ratna palong	palong khali
307	30022	9722c249-41ec-4eb7-b287-2c2541e0874f	sabrang	jalia palong
373	41	ee5ec631-ce1e-487b-8f3a-0ff1373b43c1	teknaf	palong khali
375	10037	f597f78d-967b-4f95-8bd2-356e1f07e1b0	teknaf	nhilla
382	30022	1fa6bff4-34fd-4b61-ba09-9846cad83a73	teknaf	whykong

	enumerator_id	X_uuid	SiteRec	SiteReal
385	18	daddf5de-0f08-4522-b097-ec1cf0a55cc6	teknaf	palong khali
397	42	5f4f21ed-dc08-4f24-8865-06e3f7f5fd74	teknaf paurashava	palong khali
402	78	2583053b-64e7-4b5e-8887-540f0c89fee1	whykong	sabrang
437	10038	8336f079-a73d-4988-b7ca-934611086cb9	whykong	teknaf
442	78	7d5d7f59-7a2d-4413-ba87-4b3789e5e149	whykong	teknaf
446	71	e6f76162-ccb0-47f6-8b2a-80c2a762f4d8	whykong	nhilla
453	102	a8c524d3-6ae7-4018-9972-ed66fe04f397	whykong	palong khali
467	18	40423a67-5efd-48d2-a6d7-6fd55ba0026c	whykong	haldia palong
472	93	68b4edc3-eaf4-4a9f-9fb9-59fc6c0703a8	whykong	palong khali
497	10031	0323b880-dd4f-4545-b4b7-12a5bd07ec64	whykong	palong khali

check that the survey is done within a **10** meter buffer from a sample point

```
## Warning in sp::proj4string(buffer): CRS object has comment, which is lost in
## output
```

	enumerator_id	X_uuid	Outside
44	14	0636c440-1b81-4cf2-9f56-9e3b6d378047	NOk
45	3	2ab24867-db88-40f2-ba97-b5c7b6da8f1d	NOk
46	76	0a3bcffb-0cba-4661-ac98-3c28b12b4ec8	NOk
65	102	8fd35129-6566-4200-a9b7-7e1a16825bc2	NOk
112	16	f19a65d7-d78e-4887-8d87-6ac8d0b35ee5	NOk
113	42		NOk
114	80	ca219404-8ebe-4855-b391-4e6e3dd71eec	NOk
115	83	13ece80f-f607-46a6-874d-99bf44c7a477	NOk
116	80	7d9162ca-72bb-4c40-b908-5de3b0e768a5	NOk
117	102	baceb291-a351-40a8-9587-150eb4312fe2	NOk
118	43	6b9e8f88-7eb4-4303-b665-79a675b9e30b	NOk
119	12	81859fbc-07a4-48f2-9de4-ff4f85486eee	NOk
224	43	fad8e1b2-5703-427d-b65b-69cb6d597aed	NOk
225	10018	3d274bd4-3b0f-471c-ab75-84f02b91d624	NOk
226	10013	55bf2084-535b-4ee2-9180-b9cbb860e398	NOk
227	91	f828add1-6c80-427a-9f42-6ed76c06aee0	NOk
228	93	d08f2f1d-69ad-4d56-ac39-160b151820c6	NOk
229	93	c24f6fb5-c3ef-4d73-a78b-cf8607ea7c8f	NOk
230	10052	d098efaf-dc8a-44b9-82f4-4bd9c8b592b1	NOk
231	76	9a4f6414-73dc-4430-80d2-7c4d842862e5	NOk
232	14	3f77e218-761e-4564-b607-ff925e1a95ac	NOk
233	43	6940a5ce-cd53-48c9-8c52-06fe1e83883c	NOk
234	12	fc61ce68-6dda-4a2f-92e5-acdf68880294	NOk
267	46	c5592a4d-f1f1-4a53-a686-37496a75fe87	NOk
268	10018	6712b8cf-eb5f-4428-8659-1b07eca86efa	NOk
269	30022	c3abfa6f-54f1-4dce-93ee-4558c997721e	NOk
270	52	f636fab6-29e3-4829-b759-176848373977	NOk
271	71	cba3325e-d926-4d83-8fb2-ef8562c898d2	NOk
301	83	4b8542b2-c4a0-4ba8-8bd4-a8ea6c04403a	NOk
302	87	1abb0cd9-edfc-43ad-9f90-cafea803e3b4	NOk
322	78	ba258464-31b7-407e-809e-5fb5abfad0df	NOk
390	10018	6e109f00-2038-4e08-8617-3d5f206786ac	NOk
391	73	23b68890-5b4c-4f16-b379-9029306cdc22	NOk
392	10013	62dc4a8c-df9c-4ea1-9f6f-651dd1feb072	NOk
393	10041	30c3e8d3-c5d2-4279-a31a-ee4c9b1bc4b3	NOk
394	13	6a90a063-78b4-4819-870f-6197f5f617e1	NOk
395	10031	007c2ac6-cb26-45fb-ac80-d74adc47f347	NOk
396	45	7291bdc3-652c-414a-9f85-a77c998d0fbc	NOk
400	108	9c24ab8f-732b-4041-8f96-af3fbd2b6c79	NOk
489	10038	dc053ee9-e11e-4de1-9006-671a57a95f7b	NOk
490	67	a39ea3ac-2c9d-4207-9ca5-cd9e96325dfd	NOk

	enumerator_id	X_uuid	Outside
491	14	07564281-e026-4c08-bdcb-ef1704655c9f	NOk
492	47	a7dcb97c-ecff-485f-b4fb-6901a74a2523	NOk
493	54	708bc656-1ad8-44e9-99c3-60a9d7b6a1bd	NOk
494	93	e0889434-984d-4a4b-be29-7b5201fb652b	NOk
495	10038	6b5d4b42-0c76-4917-a932-040f10fd7b44	NOk
496	43	c4ba08a3-eb46-4823-a445-1573749813af	NOk
497	10031	0323b880-dd4f-4545-b4b7-12a5bd07ec64	NOk
498	10021	fa2e6393-b637-4f4f-af22-7e498b7f445b	NOk

Duplicates in unique ID

	enumerator_id	X_uuid	survey_consent
194	46		deleted

Dates mistakes in the survey

Surveys that do not end on the same day as they started

no errors

Surveys which end before they start

no errors

Surveys made before the first day of data collection (**11/11/2018**)

no errors

Surveys made in the future

no errors

Durations of surveys

Beware that if surveys with potential errors on the dates are not marked for deletion which can lead to weird durations

The total time of data collection is **17869** minutes and the average time per survey is **35.88** minutes

Enumerators who made a survey below **10** minutes

	enumerator_id	X_uuid	SurveyLength
4	10046	b1634db9-9108-486d-a8f1-5706290b5f7d	1
7	54	06b1df42-600d-4b51-90c0-1ec06b9c2d13	1
8	30022	89af7eaf-efa4-4f05-89eb-cae03133258a	1
10	10046	5222a1b0-75a8-4b99-9ce2-138128f88b73	0
15	45	92375644-2a47-4e00-963b-5b33cdf12a6b	1
17	96	28b89222-1869-433d-95c5-47ab81c4c28c	1
19	73	46fc2ca2-995a-4e8f-a15f-d34e4f674446	0
21	47	288afd76-f646-4696-b40c-f1d6a6e79c5f	1
28	30024	30eccbea-4e29-4d32-84a1-1925c4cb3d9a	2
33	10011	05ac6aaa-675c-4cef-b051-df370c876287	0
40	10031	743e4491-d79e-4b96-b846-4c1bfbe81831	1
42	52	f8050bfc-1777-413c-adf7-55a94db6e531	2
52	50	b0a17823-c67f-4b61-a1d2-dbf5ccc827bb	0
53	10040	536c21b7-96cc-449b-95df-1fd9c5151140	1
59	57	a2dc8b8e-43ac-476e-ae3b-35c2a961f294	0
62	78	43641e15-996a-4051-9d62-9fb4ca5c7195	0
63	10011	d558e978-f1cc-458c-9fa5-c49d381f681e	1
64	47	48cec11c-c95d-4b0e-905c-e941d130e59a	1
68	10040	3fd55fe7-5472-4d5c-94ca-76b5a105a7ed	1
82	49	33158e81-cf8c-4dbe-8c5a-5807975414a1	0

	enumerator_id	X__uuid	SurveyLength
84	28	b223d0ec-5264-4f9d-a78e-c41b08e47e49	1
98	10028	af33f41f-8695-475b-96ef-4e8d0916af75	0
99	10043	6d51e7ca-4765-4169-89ee-992fb456665f	1
101	19	321d26d9-ef90-497f-906c-a679768d4689	1
103	73	6165c192-0b13-4c2e-a1c5-f7905c170030	0
104	10028	6ded3798-80ed-400d-8524-387629f44d24	1
114	80	ca219404-8ebe-4855-b391-4e6e3dd71eec	1
120	43	99d612a9-d4cb-4330-bdd1-bb1f8fdaab13	1
125	91	d63f8e3b-6c8a-4407-b198-a62e64f0597d	1
126	16	f56bda24-e17c-483b-a161-92cbd91586eb	1
129	10043	07d54a07-5df6-4e23-af2c-7946efafc2f2	1
130	30019	372f4cda-71c5-4ee9-9e2f-31da9021b418	1
132	50	2cffa23c-1b2b-44f7-9eea-682cb446d10f	1
135	10040	7391680b-1972-4bed-b37f-d55271609cec	2
141	67	3c2e31bf-dc6a-420c-8f53-5c4b0b3ab254	1
151	78	09c96e82-b613-4dda-9e88-ac652aaa9f3c	1
152	96	a8e42de3-f3a3-4f8c-bb9d-9508a050b467	1
154	14	5acc2bec-4def-4a33-b0df-fe9b10f395ad	1
157	10039	c1fd7da6-ec6d-4c9c-aff3-b9055aad0b63	2
158	49	56b74e4b-9a0b-4586-880a-f2c5c1fb54fa	3
159	45	bd248411-ee65-42ab-a681-9d57fc4f8c50	1
166	44	2b1ccb45-05b9-4794-81a3-b2e4827e5e5c	1
167	71	250d805b-e05f-4b94-a8a4-7afa0c697bc6	0
168	43	2c75e7e8-d091-4e5a-a12c-9fcb32571bb2	0
172	10050	037b54e3-ee6a-4776-983c-8d4391005c1e	1
173	46	869e4dd8-ae57-4fc9-8930-6ce5a89a9c21	1
175	30019	bdf2d3c0-c8bf-4076-ab89-66646f1e61b7	0
176	78	0029fc4c-46e1-40b4-8a2f-336b2e2a6773	0
182	10041	39ac7934-66e2-4a6d-ac8a-7797ee37ac30	1
189	26	93b3cc58-c9f9-4024-8d74-3c24150e054a	4
190	31	afb324d7-b57a-4e8e-b7ef-44e58adf16e1	1
192	42	32d4af42-351e-46bd-874e-a71f3f9ddc46	4
196	10052	b6406c9c-a870-4b8f-b70b-e69b18c70e10	2
204	91	364a346a-1053-435b-95fe-71f972501662	1
205	19	58da9988-4820-4bc9-8255-395399151bb7	0
207	14	0cac359f-0781-47d9-aca4-60551f6dcd91	0
212	30022	d177fd75-fd2d-49dd-9095-8bab9eb0714a	1
217	66	7d39938a-128a-496c-9751-709a5231e64f	1
218	52	5eb61770-d885-4382-9d9a-763868b4bee3	5
219	78	3a5104ce-00f2-47e6-ba23-cbe7c14f403e	1
221	96	d4d6643a-b209-4656-b264-83e9a07d1f95	1
223	108	2cb760a2-eea5-4b07-b9c8-005ce4473d52	1
227	91	f828add1-6c80-427a-9f42-6ed76c06aee0	0
229	93	c24f6fb5-c3ef-4d73-a78b-cf8607ea7c8f	0
232	14	3f77e218-761e-4564-b607-ff925e1a95ac	1
237	43	52953a76-abb3-4029-b9c6-7171e8ef3e34	0
241	46	58906142-0a63-4442-8b7a-36a74ea01582	1
250	10021	075f5546-88ae-4926-88e1-495d8dad1d45	1
253	78	c31069a6-25e1-4ee9-8e37-35ec8905c433	0
262	10013	b1b0be8e-191d-4dd5-af46-5469ef236d01	2
267	46	c5592a4d-f1f1-4a53-a686-37496a75fe87	0
270	52	f636fab6-29e3-4829-b759-176848373977	1
272	10040	0cb302b7-44c1-4813-bee1-9ff9c32c852e	1
276	96	3e8281bd-533b-4ebf-aa69-1aacc1d59a24	1
277	16	b1ffdd08-fc72-4d19-8b72-8de1c34244f8	0
278	50	ff125468-af39-424b-8f62-c2564b21424b	0
283	47	e428af84-e2f1-48db-9395-bb183d6797e2	0
285	10040	932f333e-f830-4896-9fc5-7cab7bdbe45f	0

	enumerator_id	X__uuid	SurveyLength
289	47	c0ff4bfe-d45e-49e5-959f-6c0d41581ca2	1
299	10013	78ed460b-09e1-4dee-903e-de3c6cd07beb	1
300	10040	aa231749-c670-433a-b899-b5c0475477c8	1
301	83	4b8542b2-c4a0-4ba8-8bd4-a8ea6c04403a	1
302	87	1abb0cd9-edfc-43ad-9f90-cafea803e3b4	0
307	30022	9722c249-41ec-4eb7-b287-2c2541e0874f	4
308	71	621446ad-b73f-4962-b104-ae6cc871955c	1
309	83	8c1b1ac2-5387-474a-984b-2fd395e93688	0
311	10039	9c028b46-7959-450c-a576-a1385077c947	3
312	67	575118b0-16d4-46e6-86df-92b5232fc753	0
314	54	df4a3233-c628-4027-8b4d-02527b1bcbd1	1
315	50	5c37eafb-c112-4a5f-a03a-0c21a1a20825	7
319	93	7e79502a-401f-4579-be8e-0a32b35014ac	1
322	78	ba258464-31b7-407e-809e-5fb5abfad0df	1
333	80	c523c72c-a819-4226-a9a3-135ac9430e0f	2
335	80	2daf20d4-22e7-458e-bf7a-fb9626066db1	1
337	10047	4e608261-e3ca-4854-8afb-59e1246189fa	8
339	102	eb9f2fae-e68e-42dc-b3b9-9d578646a6d3	1
343	80	bb496f37-c695-49e3-b3ce-364bece67fbd	5
344	10040	c70ee2d9-9f1c-4153-8a7c-f1db2b55f74e	1
347	10011	8a5ead59-fc80-4b63-820f-d413a54d544a	1
348	30019	0a9d73a8-e397-42de-b5d8-425d6a3405b6	2
352	30022	21e9587c-4da5-4ee8-876d-842ea41635bb	3
353	41	5c37e791-9082-4a05-bc66-afb4628541b0	1
355	83	363d454b-4108-46e5-b4c3-7e8b22a93454	0
356	10011	c78e2496-a752-498a-b555-8fc2211aac62	1
358	10018	448d8435-9473-4e85-b863-a9318eeda672	0
360	73	7ac87453-1f65-4161-b51d-f2e90d4f6524	4
361	73	337dd440-2c99-46a5-a8a8-d5b1464d35b7	1
364	83	366133d6-4ace-4c29-b722-a45734b6a288	2
365	30022	4c800ef2-3d18-4692-8d6a-edfe269b3168	1
366	78	fa6af61c-f0fe-4e7b-bb9d-c651ac8317d7	9
368	83	9092a317-8634-43f2-b8a5-aa9b43a4a3d9	0
371	73	72057d2e-a1e7-4a55-828e-6cb4447c3767	0
374	96	b79b5bf1-c79c-4ae2-abaa-3e539707c293	1
378	87	b4dd9e57-8aa2-4944-b834-d93a7fd75e07	1
379	10031	dd03a792-2172-4d84-9848-c141207a5516	0
383	10028	083c62c4-4d89-4f28-a70b-8a680c8fbcfa	0
388	71	336b0898-6aa0-47c6-b0b5-959ea3bdf85b	1
389	102	4fe0cc22-ab57-48a9-8526-0684ab7503b7	1
392	10013	62dc4a8c-df9c-4ea1-9f6f-651dd1feb072	2
393	10041	30c3e8d3-c5d2-4279-a31a-ee4c9b1bc4b3	0
394	13	6a90a063-78b4-4819-870f-6197f5f617e1	1
398	76	5e5d87ad-0448-4cb0-90df-53637b3fe204	1
403	54	aae9eb77-6a2b-431b-9471-cd59d05d8eb0	1
407	30019	fb6c0bfa-f29d-476a-8062-66b2ed310be9	2
415	12	230be7d5-2cf6-4062-b6d9-1535e26bfb26	1
416	10031	86c3448f-8746-48db-b4ab-2eed040b5652	1
417	102	c3176f44-304d-40eb-944c-36ce8620c94e	4
419	54	bcc9b68b-3f09-470c-9452-53108d1535ab	1
427	45	344cf3fe-3ff5-4be0-8e65-4454611135e9	1
434	46	939ddd3d-34bb-44f9-8a54-b44eee100565	1
440	49	02d3ef9f-8cb1-4129-b05d-35692f0ce2f6	3
441	87	408cb022-eaad-4f1c-b59e-bad97feb7f2c	9
454	24	4085a643-2439-4da7-8da8-239793048362	1
459	10050	4f66c7ba-fe9b-4d32-8dd0-f0724f39beba	7
464	73	86f8713b-465c-47e0-ae40-416303ef1356	1
465	24	7f277912-35b2-4dc1-9328-df28aea4f6d6	0

	enumerator_id	X__uuid	SurveyLength
469	10031	6f8f2c8e-7305-48fb-aa0e-5a4ed3a59603	5
470	78	b4aefbac-0f93-482e-9f0b-faba3aac1974	1
471	10047	1de63c69-179b-4996-9e36-d9dbe5e19203	0
477	10047	021f3ba4-3825-40ee-9e5a-7d40bda4b459	3
485	65	e61988cf-8274-4fe8-b060-5b1afe0c83dc	0
491	14	07564281-e026-4c08-bdcb-ef1704655c9f	0
494	93	e0889434-984d-4a4b-be29-7b5201fb652b	1
498	10021	fa2e6393-b637-4f4f-af22-7e498b7f445b	0

2. Productivity

Number of survey per day of data collection

```
## Warning: `group_by_()` is deprecated as of dplyr 0.7.0.
## Please use `group_by()` instead.
## See vignette('programming') for more help
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_warnings()` to see where this warning was generated.
```

surveydate	NbSurvey
2018-11-11	8
2018-11-12	35
2018-11-13	14
2018-11-14	71
2018-11-15	36
2018-11-17	20
2018-11-18	41
2018-11-19	10
2018-11-20	25
2018-11-22	9
2018-11-28	60
2018-11-29	21
2018-12-01	39
2018-12-02	28
2018-12-03	14
2018-12-04	31
2018-12-05	26
2018-12-06	10

Number of survey per day of data collection per consent status

```
## Warning: `count_()` is deprecated as of dplyr 0.7.0.
## Please use `count()` instead.
## See vignette('programming') for more help
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_warnings()` to see where this warning was generated.
```

surveydate	deleted	no	not_eligible	yes
2018-11-11	2	0	0	6
2018-11-12	16	0	2	17
2018-11-13	7	0	0	7
2018-11-14	22	0	1	48
2018-11-15	10	0	3	23
2018-11-17	6	0	1	13
2018-11-18	14	0	0	27
2018-11-19	2	0	0	8
2018-11-20	12	0	1	12

surveydate	deleted	no	not_eligible	yes
2018-11-22	5	0	0	4
2018-11-28	18	1	4	37
2018-11-29	7	0	0	14
2018-12-01	19	0	0	20
2018-12-02	15	0	1	12
2018-12-03	2	0	0	12
2018-12-04	10	0	1	20
2018-12-05	9	0	1	16
2018-12-06	3	0	0	7

Tracking sheet

site	SS	TotPts	done	not_eligible	no	deleted	yes	final	variance
baharchhara	253	317	20	0	0	8	12	12	-241
haldia palong	260	325	30	1	0	8	21	21	-239
jalia palong	259	324	20	0	0	8	12	12	-247
nhilla	259	324	55	2	0	18	35	35	-224
palong khali	255	319	119	4	1	48	66	66	-189
raja palong	261	327	35	1	0	9	25	25	-236
ratna palong	252	315	28	1	0	9	18	18	-234
sabrang	260	325	21	0	0	8	13	13	-247
teknaf	259	324	73	3	0	33	37	37	-222
teknaf paurashava	253	317	4	0	0	2	2	2	-251
whykong	260	325	93	3	0	28	62	62	-198

3. Checks on the surveys content

Number of distinct values per questions

```
## Warning: `funs()` is deprecated as of dplyr 0.8.0.
## Please use a list of either functions or lambdas:
##
##   # Simple named list:
##   list(mean = mean, median = median)
##
##   # Auto named with `tibble::lst()`:
##   tibble::lst(mean, median)
##
##   # Using lambdas
##   list(~ mean(., trim = .2), ~ median(., na.rm = TRUE))
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_warnings()` to see where this warning was generated.
```

Please see the generated csv file: chk4bii_distinct_values.csv

Number of other distinct values (for the questions with a possibility of other)

Please see the generated csv file: chk4biv_others_values.csv

4. Enumerators checks

Percentage of survey per consent status by enumerator

```
## Warning in data.table::dcast(tmp, enumeratorID ~ survey_consent, value.var
## = "pct"): The dcast generic in data.table has been passed a grouped_df and
## will attempt to redirect to the reshape2::dcast; please note that reshape2
## is deprecated, and this redirection is now deprecated as well. Please do this
## redirection yourself like reshape2::dcast(tmp). In the next version, this
## warning will become an error.
```

enumeratorID	deleted	no	not_eligible	yes
1	0.00	0.00	0.00	100.00
3	50.00	0.00	0.00	50.00
6	0.00	0.00	0.00	100.00
12	50.00	0.00	0.00	50.00
13	16.67	0.00	0.00	83.33
14	41.67	0.00	0.00	58.33
16	33.33	0.00	11.11	55.56
18	0.00	0.00	0.00	100.00
19	33.33	0.00	0.00	66.67
24	33.33	0.00	0.00	66.67
26	10.00	0.00	0.00	90.00
28	12.50	0.00	0.00	87.50
31	20.00	0.00	0.00	80.00
41	12.50	0.00	0.00	87.50
42	25.00	0.00	0.00	75.00
43	50.00	0.00	0.00	50.00
44	25.00	0.00	0.00	75.00
45	40.00	0.00	10.00	50.00
46	50.00	0.00	0.00	50.00
47	71.43	0.00	14.29	14.29
49	37.50	0.00	0.00	62.50
50	50.00	0.00	0.00	50.00
52	30.00	0.00	10.00	60.00
54	35.71	0.00	0.00	64.29
57	50.00	0.00	0.00	50.00
61	0.00	0.00	0.00	100.00
62	0.00	0.00	0.00	100.00
65	11.11	0.00	0.00	88.89
66	12.50	0.00	0.00	87.50
67	33.33	0.00	0.00	66.67
71	36.36	0.00	0.00	63.64
73	77.78	0.00	0.00	22.22
76	42.86	0.00	0.00	57.14
78	53.33	0.00	6.67	40.00
80	45.45	0.00	0.00	54.55
83	50.00	0.00	0.00	50.00
87	27.27	0.00	0.00	72.73
91	21.43	7.14	0.00	71.43
93	50.00	0.00	0.00	50.00
96	50.00	0.00	0.00	50.00
102	45.45	0.00	0.00	54.55
108	33.33	0.00	0.00	66.67
4001	0.00	0.00	0.00	100.00
10011	100.00	0.00	0.00	0.00
10013	50.00	0.00	12.50	37.50
10018	57.14	0.00	0.00	42.86
10021	33.33	0.00	33.33	33.33
10028	33.33	0.00	0.00	66.67
10031	46.15	0.00	0.00	53.85
10037	0.00	0.00	0.00	100.00
10038	25.00	0.00	0.00	75.00
10039	28.57	0.00	0.00	71.43
10040	58.33	0.00	0.00	41.67
10041	66.67	0.00	0.00	33.33
10043	66.67	0.00	0.00	33.33
10046	22.22	0.00	0.00	77.78
10047	100.00	0.00	0.00	0.00
10049	0.00	0.00	33.33	66.67

enumeratorID	deleted	no	not_eligible	yes
10050	33.33	0.00	0.00	66.67
10052	40.00	0.00	20.00	40.00
30003	0.00	0.00	0.00	100.00
30007	0.00	0.00	50.00	50.00
30019	36.36	0.00	0.00	63.64
30022	27.27	0.00	13.64	59.09
30024	50.00	0.00	0.00	50.00

Average interview duration by enumerator

enumeratorID	duration_mean	overall_avg_duration	perc_diff_avg
1	62.50	35.88	74.19
3	75.00	35.88	109.03
6	64.00	35.88	78.37
12	36.33	35.88	1.25
13	48.00	35.88	33.78
14	29.08	35.88	-18.95
16	28.33	35.88	-21.04
18	77.50	35.88	116.00
19	31.50	35.88	-12.21
24	29.00	35.88	-19.18
26	45.80	35.88	27.65
28	43.00	35.88	19.84
31	43.20	35.88	20.40
41	49.12	35.88	36.90
42	44.12	35.88	22.97
43	42.57	35.88	18.65
44	50.75	35.88	41.44
45	32.80	35.88	-8.58
46	33.30	35.88	-7.19
47	16.86	35.88	-53.01
49	30.75	35.88	-14.30
50	25.88	35.88	-27.87
52	39.80	35.88	10.93
54	37.14	35.88	3.51
57	23.50	35.88	-34.50
61	46.50	35.88	29.60
62	47.88	35.88	33.44
65	40.56	35.88	13.04
66	42.88	35.88	19.51
67	40.78	35.88	13.66
71	34.00	35.88	-5.24
73	18.00	35.88	-49.83
76	26.29	35.88	-26.73
78	22.40	35.88	-37.57
80	26.73	35.88	-25.50
83	27.83	35.88	-22.44
87	39.27	35.88	9.45
91	35.50	35.88	-1.06
93	34.88	35.88	-2.79
96	33.50	35.88	-6.63
102	42.27	35.88	17.81
108	40.83	35.88	13.80
4001	48.00	35.88	33.78
10011	0.75	35.88	-97.91
10013	28.62	35.88	-20.23
10018	35.29	35.88	-1.64

enumeratorID	duration_mean	overall_avg_duration	perc_diff_avg
10021	71.83	35.88	100.20
10028	28.67	35.88	-20.09
10031	42.23	35.88	17.70
10037	80.50	35.88	124.36
10038	50.50	35.88	40.75
10039	28.71	35.88	-19.98
10040	17.25	35.88	-51.92
10041	10.67	35.88	-70.26
10043	4.67	35.88	-86.98
10046	41.11	35.88	14.58
10047	3.67	35.88	-89.77
10049	64.67	35.88	80.24
10050	29.50	35.88	-17.78
10052	31.80	35.88	-11.37
30003	71.00	35.88	97.88
30007	23.75	35.88	-33.81
30019	29.64	35.88	-17.39
30022	33.41	35.88	-6.88
30024	31.00	35.88	-13.60

Number of surveys per day by enumerator

```
## Warning: `summarise_()` is deprecated as of dplyr 0.7.0.
## Please use `summarise()` instead.
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_warnings()` to see where this warning was generated.
```

enumerator_id	days_worked	total_surveys_done	daily_average
1	2	2	1.00
3	2	2	1.00
6	2	2	1.00
12	3	6	2.00
13	6	6	1.00
14	8	12	1.50
16	9	9	1.00
18	7	8	1.14
19	5	6	1.20
24	4	6	1.50
26	9	10	1.11
28	4	8	2.00
31	4	5	1.25
41	7	8	1.14
42	8	8	1.00
43	9	14	1.56
44	3	4	1.33
45	8	10	1.25
46	6	10	1.67
47	6	7	1.17
49	6	8	1.33
50	6	8	1.33
52	7	10	1.43
54	9	14	1.56
57	2	2	1.00
61	3	4	1.33
62	6	8	1.33
65	7	9	1.29
66	7	8	1.14
67	8	9	1.12

enumerator_id	days_worked	total_surveys_done	daily_average
71	9	11	1.22
73	7	9	1.29
76	7	7	1.00
78	9	15	1.67
80	8	11	1.38
83	10	12	1.20
87	6	11	1.83
91	8	14	1.75
93	5	8	1.60
96	8	10	1.25
102	6	11	1.83
108	6	6	1.00
4001	2	2	1.00
10011	3	4	1.33
10013	7	8	1.14
10018	4	7	1.75
10021	5	6	1.20
10028	7	9	1.29
10031	8	13	1.62
10037	2	2	1.00
10038	5	8	1.60
10039	6	7	1.17
10040	8	12	1.50
10041	3	3	1.00
10043	2	3	1.50
10046	6	9	1.50
10047	2	3	1.50
10049	2	3	1.50
10050	3	6	2.00
10052	4	5	1.25
30003	1	1	1.00
30007	4	4	1.00
30019	9	11	1.22
30022	16	22	1.38
30024	2	2	1.00

Surveyors with very low or high productivity

	enumerator_id	days_worked	total_surveys_done	daily_average	survey_outliers
4	12	3	6	2	2.412083
12	28	4	8	2	2.412083
59	10050	3	6	2	2.412083

Enumerators who pick up less than **3** answers per specific questions (Level1 level)

enumeratorID	NbErr	field
1	1	consent_received.shelter_nfi.non_food_items
3	2	consent_received.shelter_nfi.non_food_items
6	1	consent_received.shelter_nfi.non_food_items
12	2	consent_received.shelter_nfi.non_food_items
13	4	consent_received.shelter_nfi.non_food_items
14	10	consent_received.shelter_nfi.non_food_items
16	3	consent_received.shelter_nfi.non_food_items
18	1	consent_received.shelter_nfi.non_food_items
19	2	consent_received.shelter_nfi.non_food_items
24	2	consent_received.shelter_nfi.non_food_items

enumeratorID	NbErr	field
26	4	consent_received.shelter_nfi.non_food_items
28	1	consent_received.shelter_nfi.non_food_items
31	2	consent_received.shelter_nfi.non_food_items
41	1	consent_received.shelter_nfi.non_food_items
42	4	consent_received.shelter_nfi.non_food_items
43	4	consent_received.shelter_nfi.non_food_items
44	1	consent_received.shelter_nfi.non_food_items
45	5	consent_received.shelter_nfi.non_food_items
46	4	consent_received.shelter_nfi.non_food_items
47	5	consent_received.shelter_nfi.non_food_items
49	5	consent_received.shelter_nfi.non_food_items
50	5	consent_received.shelter_nfi.non_food_items
52	4	consent_received.shelter_nfi.non_food_items
54	4	consent_received.shelter_nfi.non_food_items
57	1	consent_received.shelter_nfi.non_food_items
61	1	consent_received.shelter_nfi.non_food_items
62	0	consent_received.shelter_nfi.non_food_items
65	1	consent_received.shelter_nfi.non_food_items
66	5	consent_received.shelter_nfi.non_food_items
67	3	consent_received.shelter_nfi.non_food_items
71	3	consent_received.shelter_nfi.non_food_items
73	7	consent_received.shelter_nfi.non_food_items
76	2	consent_received.shelter_nfi.non_food_items
78	15	consent_received.shelter_nfi.non_food_items
80	4	consent_received.shelter_nfi.non_food_items
83	5	consent_received.shelter_nfi.non_food_items
87	8	consent_received.shelter_nfi.non_food_items
91	4	consent_received.shelter_nfi.non_food_items
93	3	consent_received.shelter_nfi.non_food_items
96	6	consent_received.shelter_nfi.non_food_items
102	7	consent_received.shelter_nfi.non_food_items
108	2	consent_received.shelter_nfi.non_food_items
4001	1	consent_received.shelter_nfi.non_food_items
10011	4	consent_received.shelter_nfi.non_food_items
10013	4	consent_received.shelter_nfi.non_food_items
10018	1	consent_received.shelter_nfi.non_food_items
10021	4	consent_received.shelter_nfi.non_food_items
10028	3	consent_received.shelter_nfi.non_food_items
10031	5	consent_received.shelter_nfi.non_food_items
10037	0	consent_received.shelter_nfi.non_food_items
10038	7	consent_received.shelter_nfi.non_food_items
10039	2	consent_received.shelter_nfi.non_food_items
10040	9	consent_received.shelter_nfi.non_food_items
10041	2	consent_received.shelter_nfi.non_food_items
10043	2	consent_received.shelter_nfi.non_food_items
10046	2	consent_received.shelter_nfi.non_food_items
10047	3	consent_received.shelter_nfi.non_food_items
10049	1	consent_received.shelter_nfi.non_food_items
10050	3	consent_received.shelter_nfi.non_food_items
10052	4	consent_received.shelter_nfi.non_food_items
30003	0	consent_received.shelter_nfi.non_food_items
30007	3	consent_received.shelter_nfi.non_food_items
30019	5	consent_received.shelter_nfi.non_food_items
30022	12	consent_received.shelter_nfi.non_food_items
30024	1	consent_received.shelter_nfi.non_food_items
1	2	consent_received.food_security.main_income
3	2	consent_received.food_security.main_income
6	2	consent_received.food_security.main_income

enumeratorID	NbErr	field
12	6	consent_received.food_security.main_income
13	6	consent_received.food_security.main_income
14	11	consent_received.food_security.main_income
16	3	consent_received.food_security.main_income
18	6	consent_received.food_security.main_income
19	6	consent_received.food_security.main_income
24	6	consent_received.food_security.main_income
26	10	consent_received.food_security.main_income
28	1	consent_received.food_security.main_income
31	5	consent_received.food_security.main_income
41	7	consent_received.food_security.main_income
42	8	consent_received.food_security.main_income
43	13	consent_received.food_security.main_income
44	3	consent_received.food_security.main_income
45	8	consent_received.food_security.main_income
46	10	consent_received.food_security.main_income
47	7	consent_received.food_security.main_income
49	8	consent_received.food_security.main_income
50	8	consent_received.food_security.main_income
52	10	consent_received.food_security.main_income
54	10	consent_received.food_security.main_income
57	2	consent_received.food_security.main_income
61	4	consent_received.food_security.main_income
62	8	consent_received.food_security.main_income
65	9	consent_received.food_security.main_income
66	8	consent_received.food_security.main_income
67	9	consent_received.food_security.main_income
71	10	consent_received.food_security.main_income
73	9	consent_received.food_security.main_income
76	7	consent_received.food_security.main_income
78	14	consent_received.food_security.main_income
80	6	consent_received.food_security.main_income
83	12	consent_received.food_security.main_income
87	11	consent_received.food_security.main_income
91	12	consent_received.food_security.main_income
93	6	consent_received.food_security.main_income
96	10	consent_received.food_security.main_income
102	10	consent_received.food_security.main_income
108	6	consent_received.food_security.main_income
4001	2	consent_received.food_security.main_income
10011	4	consent_received.food_security.main_income
10013	7	consent_received.food_security.main_income
10018	7	consent_received.food_security.main_income
10021	6	consent_received.food_security.main_income
10028	8	consent_received.food_security.main_income
10031	13	consent_received.food_security.main_income
10037	2	consent_received.food_security.main_income
10038	6	consent_received.food_security.main_income
10039	2	consent_received.food_security.main_income
10040	12	consent_received.food_security.main_income
10041	3	consent_received.food_security.main_income
10043	3	consent_received.food_security.main_income
10046	9	consent_received.food_security.main_income
10047	3	consent_received.food_security.main_income
10049	3	consent_received.food_security.main_income
10050	5	consent_received.food_security.main_income
10052	5	consent_received.food_security.main_income
30003	0	consent_received.food_security.main_income

enumeratorID	NbErr	field
30007	4	consent_received.food_security.main_income
30019	11	consent_received.food_security.main_income
30022	21	consent_received.food_security.main_income
30024	2	consent_received.food_security.main_income
1	2	consent_received.child_protection.boy_risk
3	2	consent_received.child_protection.boy_risk
6	2	consent_received.child_protection.boy_risk
12	3	consent_received.child_protection.boy_risk
13	5	consent_received.child_protection.boy_risk
14	8	consent_received.child_protection.boy_risk
16	3	consent_received.child_protection.boy_risk
18	8	consent_received.child_protection.boy_risk
19	4	consent_received.child_protection.boy_risk
24	4	consent_received.child_protection.boy_risk
26	10	consent_received.child_protection.boy_risk
28	1	consent_received.child_protection.boy_risk
31	5	consent_received.child_protection.boy_risk
41	1	consent_received.child_protection.boy_risk
42	7	consent_received.child_protection.boy_risk
43	13	consent_received.child_protection.boy_risk
44	3	consent_received.child_protection.boy_risk
45	10	consent_received.child_protection.boy_risk
46	9	consent_received.child_protection.boy_risk
47	6	consent_received.child_protection.boy_risk
49	8	consent_received.child_protection.boy_risk
50	7	consent_received.child_protection.boy_risk
52	10	consent_received.child_protection.boy_risk
54	12	consent_received.child_protection.boy_risk
57	1	consent_received.child_protection.boy_risk
61	4	consent_received.child_protection.boy_risk
62	0	consent_received.child_protection.boy_risk
65	6	consent_received.child_protection.boy_risk
66	8	consent_received.child_protection.boy_risk
67	9	consent_received.child_protection.boy_risk
71	11	consent_received.child_protection.boy_risk
73	9	consent_received.child_protection.boy_risk
76	5	consent_received.child_protection.boy_risk
78	15	consent_received.child_protection.boy_risk
80	11	consent_received.child_protection.boy_risk
83	8	consent_received.child_protection.boy_risk
87	9	consent_received.child_protection.boy_risk
91	4	consent_received.child_protection.boy_risk
93	4	consent_received.child_protection.boy_risk
96	10	consent_received.child_protection.boy_risk
102	8	consent_received.child_protection.boy_risk
108	6	consent_received.child_protection.boy_risk
4001	2	consent_received.child_protection.boy_risk
10011	4	consent_received.child_protection.boy_risk
10013	6	consent_received.child_protection.boy_risk
10018	7	consent_received.child_protection.boy_risk
10021	5	consent_received.child_protection.boy_risk
10028	7	consent_received.child_protection.boy_risk
10031	13	consent_received.child_protection.boy_risk
10037	1	consent_received.child_protection.boy_risk
10038	8	consent_received.child_protection.boy_risk
10039	2	consent_received.child_protection.boy_risk
10040	12	consent_received.child_protection.boy_risk
10041	2	consent_received.child_protection.boy_risk

enumeratorID	NbErr	field
10043	2	consent_received.child_protection.boy_risk
10046	2	consent_received.child_protection.boy_risk
10047	3	consent_received.child_protection.boy_risk
10049	2	consent_received.child_protection.boy_risk
10050	6	consent_received.child_protection.boy_risk
10052	5	consent_received.child_protection.boy_risk
30003	0	consent_received.child_protection.boy_risk
30007	4	consent_received.child_protection.boy_risk
30019	11	consent_received.child_protection.boy_risk
30022	20	consent_received.child_protection.boy_risk
30024	2	consent_received.child_protection.boy_risk
1	2	consent_received.child_protection.girl_risk
3	2	consent_received.child_protection.girl_risk
6	2	consent_received.child_protection.girl_risk
12	6	consent_received.child_protection.girl_risk
13	4	consent_received.child_protection.girl_risk
14	6	consent_received.child_protection.girl_risk
16	3	consent_received.child_protection.girl_risk
18	8	consent_received.child_protection.girl_risk
19	5	consent_received.child_protection.girl_risk
24	3	consent_received.child_protection.girl_risk
26	10	consent_received.child_protection.girl_risk
28	1	consent_received.child_protection.girl_risk
31	5	consent_received.child_protection.girl_risk
41	1	consent_received.child_protection.girl_risk
42	7	consent_received.child_protection.girl_risk
43	13	consent_received.child_protection.girl_risk
44	3	consent_received.child_protection.girl_risk
45	10	consent_received.child_protection.girl_risk
46	9	consent_received.child_protection.girl_risk
47	7	consent_received.child_protection.girl_risk
49	8	consent_received.child_protection.girl_risk
50	7	consent_received.child_protection.girl_risk
52	7	consent_received.child_protection.girl_risk
54	12	consent_received.child_protection.girl_risk
57	2	consent_received.child_protection.girl_risk
61	4	consent_received.child_protection.girl_risk
62	0	consent_received.child_protection.girl_risk
65	5	consent_received.child_protection.girl_risk
66	8	consent_received.child_protection.girl_risk
67	9	consent_received.child_protection.girl_risk
71	11	consent_received.child_protection.girl_risk
73	9	consent_received.child_protection.girl_risk
76	2	consent_received.child_protection.girl_risk
78	15	consent_received.child_protection.girl_risk
80	11	consent_received.child_protection.girl_risk
83	11	consent_received.child_protection.girl_risk
87	7	consent_received.child_protection.girl_risk
91	4	consent_received.child_protection.girl_risk
93	3	consent_received.child_protection.girl_risk
96	10	consent_received.child_protection.girl_risk
102	8	consent_received.child_protection.girl_risk
108	6	consent_received.child_protection.girl_risk
4001	2	consent_received.child_protection.girl_risk
10011	4	consent_received.child_protection.girl_risk
10013	7	consent_received.child_protection.girl_risk
10018	7	consent_received.child_protection.girl_risk
10021	6	consent_received.child_protection.girl_risk

enumeratorID	NbErr	field
10028	3	consent_received.child_protection.girl_risk
10031	13	consent_received.child_protection.girl_risk
10037	1	consent_received.child_protection.girl_risk
10038	8	consent_received.child_protection.girl_risk
10039	2	consent_received.child_protection.girl_risk
10040	11	consent_received.child_protection.girl_risk
10041	2	consent_received.child_protection.girl_risk
10043	2	consent_received.child_protection.girl_risk
10046	2	consent_received.child_protection.girl_risk
10047	3	consent_received.child_protection.girl_risk
10049	2	consent_received.child_protection.girl_risk
10050	5	consent_received.child_protection.girl_risk
10052	5	consent_received.child_protection.girl_risk
30003	0	consent_received.child_protection.girl_risk
30007	3	consent_received.child_protection.girl_risk
30019	11	consent_received.child_protection.girl_risk
30022	19	consent_received.child_protection.girl_risk
30024	2	consent_received.child_protection.girl_risk