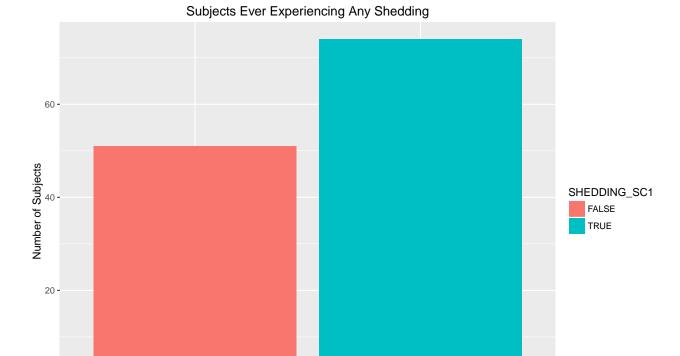
TSAR: Clinical EDA 3

Joshua Burkhart August 20, 2016

Shedding

0 -

FALSE



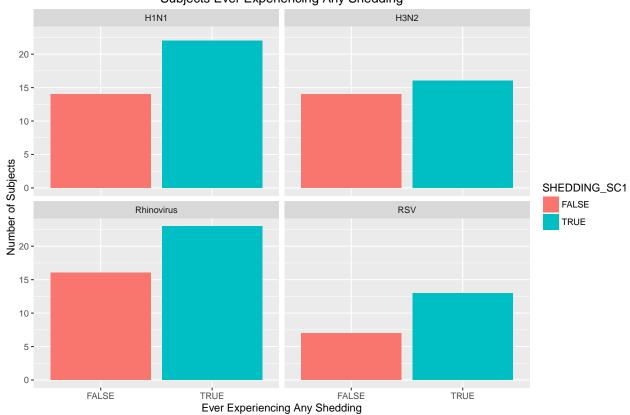
Ever Experiencing Any Shedding

TRUE

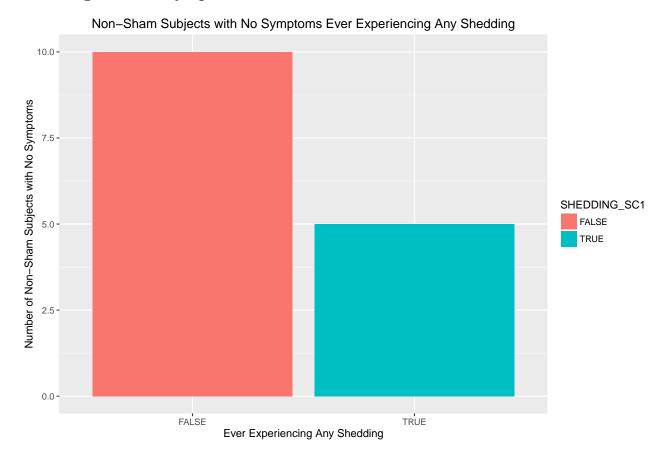
Subjects Ever Experiencing Any Shedding



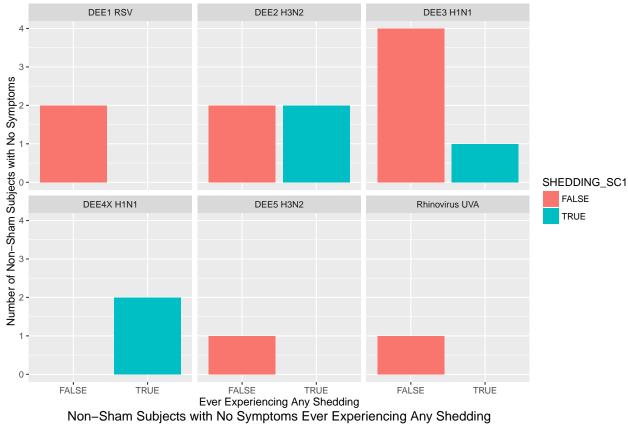
Ever Experiencing Any Shedding Subjects Ever Experiencing Any Shedding

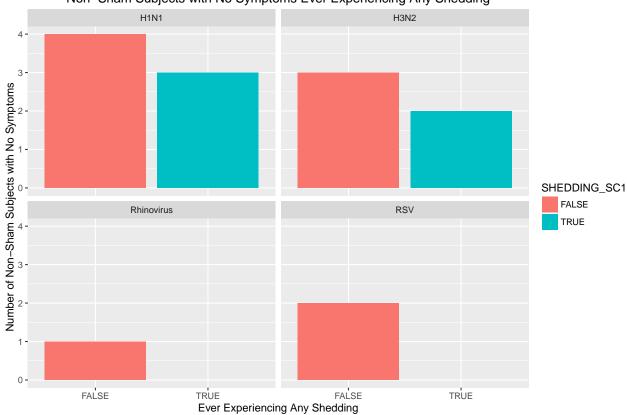


Shedding without Symptoms









```
no_symptoms_and_any_shedding %>%
  dplyr::mutate(SHAM = SHAM > 0) %>%
  dplyr::filter(SHEDDING_SC1 == FALSE, SHAM==FALSE) %>%
  dplyr::select(VIRUS,STUDYID,SUBJECTID,SUM_SCORE,LOGSYMPTSCORE_SC3) %>%
  dplyr::arrange(VIRUS) %>%
  pander(split.cells = 50, split.table = Inf)
```

			SUM_SCORE	LOGSYMPTSCORE_SC3
VIRUS	STUDYID	SUBJECTID		
H1N1	DEE3 H1N1	3014	0	0
H1N1	DEE3 H1N1	3016	0	0
H1N1	DEE3 H1N1	3022	0	0
H1N1	DEE3 H1N1	3024	0	0
H3N2	DEE5 H3N2	5013	0	0
H3N2	DEE2 H3N2	flu003	0	0
H3N2	DEE2 H3N2	flu017	0	0
Rhinovirus	Rhinovirus UVA	13	0	0
RSV	DEE1 RSV	RSV004	0	0
RSV	DEE1 RSV	RSV019	0	0

```
no_symptoms_and_any_shedding %>%
  dplyr::mutate(SHAM = SHAM > 0) %>%
  dplyr::filter(SHEDDING_SC1 == FALSE, SHAM==FALSE) %>%
  dim()
```

[1] 10 7

LOGSYMPTSCORE_SC3 Remains Constant Per-Subject Across Time

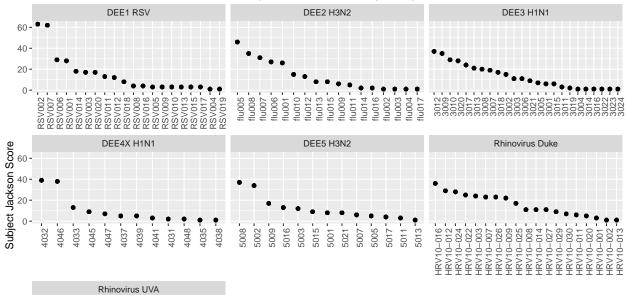
SUBJECTID	jackson_mean	jackson_sd	log_mean	\log_{sd}
1	13	0	1.1139434	0
10	10	0	1.0000000	0
11	8	0	0.9030900	0
12	2	0	0.3010300	0
13	1	0	0.0000000	0
14	2	0	0.3010300	0

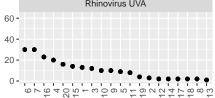
SUBJECTID	jackson_mean	jackson_sd	log_mean	\log_{sd}
15	14	0	1.1461280	0
16	23	0	1.3617278	0
17	2	0	0.3010300	0
18	2	0	0.3010300	0
19	4	0	0.6020600	0
2	3	0	0.4771213	0
20	16	0	1.2041200	0
3	12	0	1.0791812	0
3001	6	0	0.7781513	0
3002	15	0	1.1760913	0
3003	11	0	1.0413927	0
3004	1	0	0.0000000	0
3005	7	0	0.8450980	0
3006	11	0	1.0413927	0
3007	19	0	1.2787536	0
3008	20	0	1.3010300	0
3009	35	0	1.5440680	0
3010	29	0	1.4623980	0
3011	3	0	0.4771213	0
3012	37	0	1.5682017	0
3013	21	0	1.3222193	0
3014	1	0	0.0000000	0
3015	6	0	0.7781513	0
3016	1	0	0.0000000	0
3017	24	0	1.3802112	0
3018	17	0	1.2304489	0
3019	2	0	0.3010300	0
3020	28	0	1.4471580	0
3021	9	0	0.9542425	0
3022	1	0	0.0000000	0
3023	1	0	0.0000000	0
3024	1	0	0.0000000	0
4	20	0	1.3010300	0
4031	2	0	0.3010300	0
4032	39	0	1.5910646	0
4033	13	0	1.1139434	0
4035	1	0	0.0000000	0
4037	5	0	0.6989700	0
4038	1	0	0.0000000	0
4039	5	0	0.6989700	0
4041	3	0	0.4771213	0
4045	9	0	0.9542425	0
4046	38	0	1.5797836	0
4047	7	0	0.8450980	0
4048	2	0	0.3010300	0
5	9	0	0.9542425	0
5001	8	0	0.9030900	0
5002	34	0	1.5314789	0
5003	12	0	1.0791812	0
5005	5	0	0.6989700	0
5007	6	0	0.7781513	0
5008	37	0	1.5682017	0
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SUBJECTID	jackson_mean	jackson_sd	log_mean	\log_{sd}
5009	17	0	1.2304489	0
5011	3	0	0.4771213	0
5013	1	0	0.0000000	0
5015	9	0	0.9542425	0
5016	13	0	1.1139434	0
5017	4	0	0.6020600	0
5021	8	0	0.9030900	0
6	30	0	1.4771213	0
7	30	0	1.4771213	0
8	2	0	0.3010300	0
9	10	0	1.0000000	0
flu001	26	0	1.4149733	0
flu002	1	0	0.0000000	0
flu003	1	0	0.0000000	0
flu004	1	0	0.0000000	0
flu005	46	0	1.6627578	0
flu006	27	0	1.4313638	0
flu007	31	0	1.4913617	0
flu008	35	0	1.5440680	0
flu009	6	0	0.7781513	0
flu010	15	0	1.1760913	0
flu011	5	0	0.6989700	0
flu012	13	0	1.1139434	0
flu013	8	0	0.9030900	0
flu014	$\overset{\circ}{2}$	0	0.3010300	0
flu015	8	0	0.9030900	0
flu016	$\overset{\circ}{2}$	0	0.3010300	0
flu017	1	0	0.0000000	0
HRV10-001	3	0	0.4771213	0
HRV10-002	1	0	0.0000000	0
HRV10-003	24	0	1.3802112	0
HRV10-007	23	0	1.3617278	0
HRV10-008	11	0	1.0413927	0
HRV10-009	22	0	1.3424227	0
HRV10-011	6	0	0.7781513	0
HRV10-012	29	0	1.4623980	0
HRV10-013	1	0	0.0000000	0
HRV10-014	11	0	1.0413927	0
HRV10-016	36	0	1.5563025	0
HRV10-020	5	0	0.6989700	0
HRV10-022	25	0	1.3979400	0
HRV10-024	28	0	1.4471580	0
HRV10-025	17	0	1.2304489	0
HRV10-026	23	0	1.3617278	0
HRV10-027	11	0	1.0413927	0
HRV10-029	9	0	0.9542425	0
HRV10-030	7	0	0.8450980	0
RSV001	28	0	1.4471580	0
RSV002	63	0	1.7993405	0
RSV003	17	0	1.2304489	0
RSV004	1	0	0.0000000	0
RSV005	3	0	0.4771213	0
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SUBJECTID	jackson_mean	${\rm jackson_sd}$	\log_{-mean}	\log_{sd}
RSV006	29	0	1.4623980	0
RSV007	62	0	1.7923917	0
RSV008	4	0	0.6020600	0
RSV009	3	0	0.4771213	0
RSV010	3	0	0.4771213	0
RSV011	13	0	1.1139434	0
RSV012	12	0	1.0791812	0
RSV013	3	0	0.4771213	0
RSV014	18	0	1.2552725	0
RSV015	3	0	0.4771213	0
RSV016	4	0	0.6020600	0
RSV017	3	0	0.4771213	0
RSV018	8	0	0.9030900	0
RSV019	1	0	0.0000000	0
RSV020	17	0	1.2304489	0

Subject Jackson Score by Study





Subject

