

Duration of the common cold and similar continuous outcomes should be analyzed on the relative scale: a case study of two zinc lozenge trials

Additional File 2: **Data analyzed in the study**

This is additional material to a paper by Hemilä (2017).
<https://bmcmmedresmethodol.biomedcentral.com>

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The survival curve (recovery from colds curve) published by Mossad (1996) [9] was measured and transformed to participants being cured and censored in Hemilä (2011) [12]. Here the measurements were reanalyzed leading to minor changes compared with the previous analysis.

The zinc group of Mossad (1996) trial:

Mossad 1996				Based on censoring,				The bold No:s			
Zn (n=49)				(1 participant censored on 2 days)				are reported in			
Day	pixels	To	To	rescaling on the days		To	Cured	Censored	Day		
				9th	11th					person	per
	measured	Fig	persons			integers					
	100%=	scale				Remain					
	2274	(0 to 100%)									
0	213	100	49			49	0		0		0
1	384	91.7	44.93			45	4		1		1
2	589	81.76	40.06			40	5		2		2
3	850	69.09	33.86			34	6		3		3
4	1180	53.08	26.01			26	8		4		4
5	1345	45.08	22.09			22	4		5		5
6	1598	32.8	16.07			16	6		6		6
7	1893	18.49	9.06			9	7		7		7
8	2018	12.42	6.09			6	3		8		8
9	2102	8.35	4.09	> x3/4 >	3.07	3	2	1	9		9
10	2102	8.35	4.1		3.07	3	0		10		10
11	2168	5.14	2.5		1.89	1	1	1	11		11
12	2168	5.14	2.5		1.9	1	0		12		12
13	2274	0	0.0			0	1		13		13

n = 47 2

Mossad reported:

2 Zn participants dropped out after 7 to 16 days
 The days were not reported and 9 and 11 days
 are inferred from the Kaplan-Meier curves

The placebo group of Mossad (1996) trial:

Day	pixels measured	To Fig scale (0 to 100%)	To persons	Based on censoring, (1-2 participants censored on 3 days) rescaling on the days			To person Integers Remain	The bold No:s are reported in Mossad's figure		Day
				7th	15th	16th		Cured per day	Censored	
0	213	100	50				50	0	0	0
1	213	100	50				50	0		1
2	382	91.8	45.90				46	4		2
3	502	85.98	42.99				43	3		3
4	710	75.89	37.94				38	5		4
5	792	71.91	35.95				36	2		5
6	996	62.01	31.00				31	5		6
7	1116	56.19	28.09	> x26/28 >	26.09		26	3	2	7
8	1334	45.61	22.8		21.18		21	5		8
9	1379	43.43	21.7		20.16		20	1		9
10	1414	41.73	20.9		19.37		19	1		10
11	1511	37.02	18.5		17.19		17	2		11
12	1603	32.56	16.3		15.1		15	2		12
13	1644	30.57	15.3		14.2		14	1		13
14	1732	26.3	13.1		12.2		12	2		14
15	1835	21.3	10.7		9.9	> x9/10 >	9	2	1	15
16	1938	16.3	8.2		7.6		6	2	1	16
17	2050	10.87	5.4		5.0		4	2		17
18	2101	8.39	4.2		3.9		3	1		18
19							0	1	2	19

Mossad reported:

4 placebo participants dropped out after 7 to 16 days

n = 44 6

The days were not reported and 7, 15 and 16 days are inferred from the Kaplan-Meier curves

2 had censored data on the 19th day and 1 was cured on the 19th day

The Mossad (1996) data set

Total Observations in Table: 99

Mossad\$Days	Mossad\$Zinc	
	0	1
1	0	4
2	4	5
3	3	6
4	5	8
5	2	4
6	5	6
7	5	7
8	5	3
9	1	3
10	1	0
11	2	2
12	2	0
13	1	1
14	2	0
15	3	0
16	3	0
17	2	0
18	1	0
19	3	0
Column Total	50	49

The Petrus (1998) data set

Total Observations in Table: 101

Petrus\$Days	Petrus\$Zinc	
	0	1
2	3	6
3	3	10
4	9	9
5	7	4
6	6	7
7	6	6
8	3	5
9	0	1
10	1	1
11	2	2
12	1	1
13	2	0
14	2	0
15	4	0
Column Total	49	52