

Trt-outcome-missingness

Load data & select variables

Format data for table 1

Load biomarker missingness from Kaibing

Build table

	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10
1	Respiratory symptoms:									
2	Blood pressure:									
3	Biomarkers:									
4	IL6 Missing	8	0.6	4	0.9	1	0.3	0	0	
5	TNF Missing	8	0.6	4	0.9	1	0.3	0	0	
6	CRP Missing	8	0.6	4	0.9	1	0.3	0	0	
7	MDA Missing	11	0.9	4	0.9	1	0.3	0	0	
8	Environmental outcomes:									

```
tinyt <- datasummary_balance(~trt,
                             data = outcomes_by_trt_levels,
                             add_rows = nr,
                             align = "lccccccccc") %>%
  style_tt(j = 1:10, fontsize = 0.75) %>%
  style_tt(i = c(1, 14, 23, 31), bold = TRUE) %>%
  theme_tt("multipage", rowhead = 2)

tinyt
```

			Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=642)
			N	Pct.	N	Pct.	N
Respiratory symptoms:							
Any symptoms	Missing	23		1.2	4	0.6	5
	Valid response	1857		98.8	638	99.4	441
Cough	Missing	23		1.2	4	0.6	5
	Valid response	1857		98.8	638	99.4	441
Phlegm	Missing	23		1.2	4	0.6	5
	Valid response	1857		98.8	638	99.4	441
Wheezing	Missing	23		1.2	4	0.6	5
	Valid response	1857		98.8	638	99.4	441
Shortness of breath	Missing	24		1.3	4	0.6	5
	Valid response	1856		98.7	638	99.4	441
Chest trouble	Missing	24		1.3	4	0.6	5
	Valid response	1856		98.7	638	99.4	441
Blood pressure:							
Brachial SBP	Missing	30		1.6	11	1.7	17
	Valid response	1850		98.4	631	98.3	429
Central SBP	Missing	30		1.6	12	1.9	17
	Valid response	1850		98.4	630	98.1	429
Brachial DBP	Missing	30		1.6	11	1.7	17
	Valid response	1850		98.4	631	98.3	429
Central DBP	Missing	30		1.6	12	1.9	17
	Valid response	1850		98.4	630	98.1	429
Biomarkers:							
IL6	Missing	8		0.6	4	0.9	1
TNF	Missing	8		0.6	4	0.9	1
CRP	Missing	8		0.6	4	0.9	1
MDA	Missing	11		0.9	4	0.9	1
FeNO	Missing	15		0.8	0	0.0	0
	Not sampled	1341		71.3	448	69.8	383
	Valid response	524		27.9	194	30.2	63
Environmental outcomes:							
Personal PM	Missing	13		0.7	4	0.6	6
	Not sampled	984		52.3	343	53.4	239
	Valid response	883		47.0	295	46.0	201
Indoor PM	Missing	60		3.2	11	1.7	16
	Not sampled	1502		79.9	518	80.7	360
	Valid response	318		16.9	113	17.6	70
Indoor temperature	Missing	33		1.8	10	1.6	16
	Valid response	1847		98.2	632	98.4	430

Table 1:

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolled
		N	Pct.	N	Pct.	N	Pct.	N
Respiratory symptoms:								
Any symptoms	Missing	23	1.2	4	0.6	5	1.1	1
	Valid response	1857	98.8	638	99.4	441	98.9	172
Cough	Missing	23	1.2	4	0.6	5	1.1	1
	Valid response	1857	98.8	638	99.4	441	98.9	172
Phlegm	Missing	23	1.2	4	0.6	5	1.1	1
	Valid response	1857	98.8	638	99.4	441	98.9	172
Wheezing	Missing	23	1.2	4	0.6	5	1.1	1
	Valid response	1857	98.8	638	99.4	441	98.9	172
Shortness of breath	Missing	24	1.3	4	0.6	5	1.1	2
	Valid response	1856	98.7	638	99.4	441	98.9	171
Chest trouble	Missing	24	1.3	4	0.6	5	1.1	1
	Valid response	1856	98.7	638	99.4	441	98.9	172
Blood pressure:								
Brachial SBP	Missing	30	1.6	11	1.7	17	3.8	1
	Valid response	1850	98.4	631	98.3	429	96.2	172
Central SBP	Missing	30	1.6	12	1.9	17	3.8	1
	Valid response	1850	98.4	630	98.1	429	96.2	172
Brachial DBP	Missing	30	1.6	11	1.7	17	3.8	1
	Valid response	1850	98.4	631	98.3	429	96.2	172
Central DBP	Missing	30	1.6	12	1.9	17	3.8	1
	Valid response	1850	98.4	630	98.1	429	96.2	172
Biomarkers:								
IL6	Missing	8	0.6	4	0.9	1	0.3	0
TNF	Missing	8	0.6	4	0.9	1	0.3	0
CRP	Missing	8	0.6	4	0.9	1	0.3	0
MDA	Missing	11	0.9	4	0.9	1	0.3	0
FeNO	Missing	15	0.8	0	0.0	0	0.0	0
	Not sampled	1341	71.3	448	69.8	383	85.9	111

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Table 1: (Continued)

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolled 2021 (N=173)
		N	Pct.	N	Pct.	N	Pct.	N
	Valid response	524	27.9	194	30.2	63	14.1	62
Environmental outcomes:								
Personal PM	Missing	13	0.7	4	0.6	6	1.3	0
	Not sampled	984	52.3	343	53.4	239	53.6	84
	Valid response	883	47.0	295	46.0	201	45.1	89
Indoor PM	Missing	60	3.2	11	1.7	16	3.6	4
	Not sampled	1502	79.9	518	80.7	360	80.7	135
	Valid response	318	16.9	113	17.6	70	15.7	34
Indoor temperature	Missing	33	1.8	10	1.6	16	3.6	1
	Not sampled	1847	98.2	632	98.4	430	96.4	172
	Valid response							

```

customt <- tt(tinyt@table_dataframe,
  width = c(.2, .2, .1, .1, .1, .1, .1, .1, .1, .1)) %>%
  style_tt(j = 1:10, fontsize = 0.75, align = "lcccccccc") %>%
  style_tt(i = c(1, 14, 23, 31),
    bold=TRUE) %>%
  group_tt(j = list(`Never enrolled (N=1880)` = 3:4,
    `Enrolled 2019 (N=642)` = 5:6,
    `Enrolled 2020 (N=446)` = 7:8,
    `Enrolled 2021 (N=173)` = 9:10)) %>%
  theme_tt("multipage", rowhead=2)

customt

```

Table 2:

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolled 2021 (N=173)	
		N	Pct.	N	Pct.	N	Pct.	N	Pct.
Respiratory symptoms:									
Any symptoms	Missing	23	1.2	4	0.6	5	1.1	1	0.6

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Table 2: (Continued)

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolled 2021 (N=173)	
		N	Pct.	N	Pct.	N	Pct.	N	Pct.
Cough	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
	Missing	23	1.2	4	0.6	5	1.1	1	0.6
Phlegm	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
	Missing	23	1.2	4	0.6	5	1.1	1	0.6
Wheezing	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
	Missing	23	1.2	4	0.6	5	1.1	1	0.6
Shortness of breath	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
	Missing	24	1.3	4	0.6	5	1.1	2	1.2
Chest trouble	Valid response	1856	98.7	638	99.4	441	98.9	171	98.8
	Missing	24	1.3	4	0.6	5	1.1	1	0.6
	Valid response	1856	98.7	638	99.4	441	98.9	172	99.4
Blood pressure:									
Brachial SBP	Missing	30	1.6	11	1.7	17	3.8	1	0.6
	Valid response	1850	98.4	631	98.3	429	96.2	172	99.4
Central SBP	Missing	30	1.6	12	1.9	17	3.8	1	0.6
	Valid response	1850	98.4	630	98.1	429	96.2	172	99.4
Brachial DBP	Missing	30	1.6	11	1.7	17	3.8	1	0.6
	Valid response	1850	98.4	631	98.3	429	96.2	172	99.4
Central DBP	Missing	30	1.6	12	1.9	17	3.8	1	0.6
	Valid response	1850	98.4	630	98.1	429	96.2	172	99.4
Biomarkers:									

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Table 2: (Continued)

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolled 2021 (N=173)	
		N	Pct.	N	Pct.	N	Pct.	N	Pct.
IL6	Missing	8	0.6	4	0.9	1	0.3	0	0
TNF	Missing	8	0.6	4	0.9	1	0.3	0	0
CRP	Missing	8	0.6	4	0.9	1	0.3	0	0
MDA	Missing	11	0.9	4	0.9	1	0.3	0	0
FeNO	Missing	15	0.8	0	0.0	0	0.0	0	0.0
	Not sampled	1341	71.3	448	69.8	383	85.9	111	64.2
	Valid response	524	27.9	194	30.2	63	14.1	62	35.8
Environmental outcomes:									
Personal PM	Missing	13	0.7	4	0.6	6	1.3	0	0.0
	Not sampled	984	52.3	343	53.4	239	53.6	84	48.6
	Valid response	883	47.0	295	46.0	201	45.1	89	51.4
Indoor PM	Missing	60	3.2	11	1.7	16	3.6	4	2.3
	Not sampled	1502	79.9	518	80.7	360	80.7	135	78.0
	Valid response	318	16.9	113	17.6	70	15.7	34	19.7
Indoor temperature	Missing	33	1.8	10	1.6	16	3.6	1	0.6
	Valid response	1847	98.2	632	98.4	430	96.4	172	99.4

```
customt %>% save_tt(here("HEI-report", "trt-outcome-missingness.pdf"), overwrite = TRUE)
```

```
customt %>% save_tt(here("HEI-report", "trt-outcome-missingness.docx"), overwrite = TRUE)
```