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 = "lcccccccccc") %>%
  style_tt(j = 1:10, fontsize = 0.75) %>%
  style_tt(i = c(1, 14, 23, 30), bold = TRUE) %>%
  theme_tt("multipage", rowhead = 2)

tinyt
```

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N
		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	29	1.5	11	1.7	17
	Valid response	1851	98.5	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	29	1.5	11	1.7	17
	Valid response	1851	98.5	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	1356	72.1	448	69.8	383
	Valid response	524	27.9	194	30.2	63
Environmental outcomes:						
Personal PM	Missing	50	2.7	17	2.6	12
	Not sampled	985	52.4	343	53.4	239
	Valid response	845	44.9	282	43.9	195
Indoor PM	Missing	53	2.8	11	1.7	14
	Not sampled	1512	80.4	518	80.7	362
	Valid response	315	16.8	113	17.6	70
Indoor temperature	Missing	33	1.8	10	1.6	16
	Valid response	1847	98.2	632	98.4	430

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolle
		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	29	1.5	11	1.7	17	3.8	1
	Valid response	1851	98.5	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	29	1.5	11	1.7	17	3.8	1
	Valid response	1851	98.5	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	1356	72.1	448	69.8	383	85.9	111
	Valid response	524	27.9	194	30.2	63	14.1	62

Continued

Table 1: (Continued)

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolle
		N	Pct.	N	Pct.	N	Pct.	N
Environmental outcomes:								
Personal PM	Missing	50	2.7	17	2.6	12	2.7	7
	Not sampled	985	52.4	343	53.4	239	53.6	85
	Valid response	845	44.9	282	43.9	195	43.7	81
Indoor PM	Missing	53	2.8	11	1.7	14	3.1	4
	Not sampled	1512	80.4	518	80.7	362	81.2	137
	Valid response	315	16.8	113	17.6	70	15.7	32
Indoor temperature	Missing	33	1.8	10	1.6	16	3.6	1
	Valid response	1847	98.2	632	98.4	430	96.4	172

```r
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 = "lccccccccc") %>%
  style_tt(i = c(1, 14, 23, 30),
           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
	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4

		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	Missing	23	1.2	4	0.6	5	1.1	1	0.6
	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
Phlegm	Missing	23	1.2	4	0.6	5	1.1	1	0.6
	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
Wheezing	Missing	23	1.2	4	0.6	5	1.1	1	0.6
	Valid response	1857	98.8	638	99.4	441	98.9	172	99.4
Shortness of breath	Missing	24	1.3	4	0.6	5	1.1	2	1.2
	Valid response	1856	98.7	638	99.4	441	98.9	171	98.8
Chest trouble	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	29	1.5	11	1.7	17	3.8	1	0.6
	Valid response	1851	98.5	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	29	1.5	11	1.7	17	3.8	1	0.6
	Valid response	1851	98.5	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:									
IL6	Missing	8	0.6	4	0.9	1	0.3	0	0

		Never enrolled (N=1880)		Enrolled 2019 (N=642)		Enrolled 2020 (N=446)		Enrolled 2021 (N=173
		N	Pct.	N	Pct.	N	Pct.	N	Pct.
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	1356	72.1	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	50	2.7	17	2.6	12	2.7	7	4.0
	Not sampled	985	52.4	343	53.4	239	53.6	85	49.1
	Valid response	845	44.9	282	43.9	195	43.7	81	46.8
Indoor PM	Missing	53	2.8	11	1.7	14	3.1	4	2.3
	Not sampled	1512	80.4	518	80.7	362	81.2	137	79.2
	Valid response	315	16.8	113	17.6	70	15.7	32	18.5
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("trt-outcome-missingness.pdf", overwrite = TRUE)
```

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