

# Simple Tables Demo Doc

## Contents

1	Basic table	3
2	Bold cols	4
3	File names	5
4	Notes tpt	6
5	Notes minipage	7
6	Panel basic	8
7	Panel prefix	9
8	Clear reps	10
9	Clear grouped reps	11
10	hline at	12
11	hline from	13
12	hline from with clear	14
13	Align	15
14	rename	16
15	blank	17
16	multi-line	18
17	multi-line units	19
18	span	20
19	span levels	21
20	Row spacing	22
21	Col spacing	23
22	Header spacing	24
23	Continuous long panel	25
24	Continuous wide by	26
25	Categorical long by	27

<b>26 Categorical wide by panel</b>	<b>28</b>
<b>27 Inventory by</b>	<b>29</b>
<b>28 Inventory panel by</b>	<b>30</b>
<b>29 Inventory stacked</b>	<b>31</b>

```
library(dplyr)
library(purrr)
library(yspec)
library(pmtables)

spec <- ys_help$spec()

units <- ys_get_unit(spec, parens = TRUE)
```

## 1 Basic table

```
out <- stable(pmt_summarized)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "basic-table.tex", dir = params$dir)
}
```

## 2 Bold cols

```
out <- stable(pmt_summarized, cols_bold = TRUE)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "basic-table-bold.tex", dir = params$dir)
}
```

### 3 File names

```
out <- stable(pmt_summarized, r_file = "validate.Rmd", output_file = "file-names.tex")
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

Source code: validate.Rmd

Source file: file-names.tex

```
if(params$save) {
  stable_save(out, dir = params$dir)
}
file.exists("file-names.tex")
```

```
## [1] TRUE
```

## 4 Notes tpt

```
out <- stable(pmt_summarized, notes = c("WT: weight", "ALB: albumin"))  
  
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

WT: weight  
ALB: albumin

```
if(params$save) {  
  stable_save(out, file = "notes-tpt.tex", dir = params$dir)  
}
```

## 5 Notes minipage

```
conf <- noteconf(type = 'minipage')

out <- stable(pmt_summarized, notes = c("WT: weight", "ALB: albumin"), note_config = conf)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

---

WT: weight  
ALB: albumin

```
if(params$save) {
  stable_save(out, file = "notes-mini.tex", dir = params$dir)
}
```

## 6 Panel basic

```
out <- stable(pmt_summarized, panel = "STUDY")
```

```
pt_wrap(out, con = stdout())
```

DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
<b>12-DEMO-001</b>							
100 mg	tablet	80	71.4	104	33.7	4.20	1.06
150 mg	capsule	16	89.4	122	24.4	4.63	1.12
150 mg	tablet	48	81.7	104	34.4	3.83	0.910
150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
200 mg	tablet	64	67.9	100	27.5	4.25	1.10
200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
<b>12-DEMO-002</b>							
100 mg	capsule	36	61.3	113	38.3	4.04	1.28
100 mg	tablet	324	77.6	106	29.9	4.31	0.981
50 mg	capsule	36	74.1	112	37.1	4.44	0.900
50 mg	tablet	324	71.2	106	34.1	4.63	0.868
75 mg	capsule	36	72.4	105	38.2	3.89	0.900
75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "panel-basic.tex", dir = params$dir)  
}
```



## 7 Panel prefix

```
out <- stable(pmt_summarized, panel = as.panel("STUDY", prefix = "Study: "))
pt_wrap(out, con = stdout())
```

DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
<b>Study: 12-DEMO-001</b>							
100 mg	tablet	80	71.4	104	33.7	4.20	1.06
150 mg	capsule	16	89.4	122	24.4	4.63	1.12
150 mg	tablet	48	81.7	104	34.4	3.83	0.910
150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
200 mg	tablet	64	67.9	100	27.5	4.25	1.10
200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
<b>Study: 12-DEMO-002</b>							
100 mg	capsule	36	61.3	113	38.3	4.04	1.28
100 mg	tablet	324	77.6	106	29.9	4.31	0.981
50 mg	capsule	36	74.1	112	37.1	4.44	0.900
50 mg	tablet	324	71.2	106	34.1	4.63	0.868
75 mg	capsule	36	72.4	105	38.2	3.89	0.900
75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "panel-prefix.tex", dir = params$dir)
}
```

## 8 Clear reps

```
out <- stable(pmt_summarized, clear_reps = "STUDY")  
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "clear-reps.tex", dir = params$dir)  
}
```

## 9 Clear grouped reps

```
out <- stable(pmt_summarized, clear_grouped_reps = "STUDY,DOSE")
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
		capsule	16	89.4	122	24.4	4.63	1.12
		tablet	48	81.7	104	34.4	3.83	0.910
		troche	16	94.0	93.2	27.4	4.94	1.25
	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
		troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
		tablet	324	77.6	106	29.9	4.31	0.981
	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
		tablet	324	71.2	106	34.1	4.63	0.868
	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
		tablet	288	71.6	98.9	34.2	4.49	0.991
		troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "clear-grouped-reps.tex", dir = params$dir)
}
```

## 10 hline at

```
out <- stable(pmt_summarized, hline_at = c(2,4,6))
```

```
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "hline-at.tex", dir = params$dir)  
}
```

## 11 hline from

```
out <- stable(pmt_summarized, hline_from = "STUDY")  
  
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "hline-from.tex", dir = params$dir)  
}
```

## 12 hline from with clear

```
out <- stable(pmt_summarized, hline_from = "STUDY", clear_reps = "STUDY")  
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "hline-from-clear.tex", dir = params$dir)  
}
```

## 13 Align

```
align <- cols_center(.outer = 'lr', DOSE = 'r')

out <- stable(pmt_summarized, align = align)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "align.tex", dir = params$dir)
}
```

## 14 rename

```
out <- stable(pmt_summarized, cols_rename = c(Weight = "WT", Dose = "DOSE"))  
pt_wrap(out, con = stdout())
```

STUDY	Dose	FORM	N	Weight	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "col-rename.tex", dir = params$dir)  
}
```



## 15 blank

```
out <- stable(pmt_summarized, cols_blank = "WT,ALB")  
  
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N		CRCL	AGE		SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "col-blank.tex", dir = params$dir)  
}
```

## 16 multi-line

```
out <- stable(pmt_summarized, cols_rename = c("Protocol...Number" = "STUDY", Weight = "WT"))
pt_wrap(out, con = stdout())
```

Protocol Number	DOSE	FORM	N	Weight	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "col-multi-line.tex", dir = params$dir)
}
```

## 17 multi-line units

```
out <- stable(  
  pmt_summarized,  
  cols_rename = c("Protocol...Number" = "STUDY", Weight = "WT"),  
  units = units  
)  
  
pt_wrap(out, con = stdout())
```

Protocol Number	DOSE	FORM	N	Weight (kg)	CRCL (ml/min)	AGE (years)	ALB (g/dL)	SCR (mg/dL)
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "col-multi-line-units.tex", dir = params$dir)  
}
```

## 18 span

```
out <- stable(
  pmt_summarized,
  span = colgroup("Final model", AGE:CRCL)
)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	Final model			
					CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "span.tex", dir = params$dir)
}
```

## 19 span levels

```
out <- stable(
  pmt_summarized,
  span = list(
    colgroup("All covariates", WT:SCR, level = 2),
    colgroup("Final model", AGE:CRCL)
  )
)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	All covariates				
				Final model				
				WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "span-levels.tex", dir = params$dir)
}
```

## 20 Row spacing

```
out <- stable(  
  pmt_summarized,  
  sizes = tab_size(row = 0.8)  
)  
  
pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "row-space.tex", dir = params$dir)  
}
```

## 21 Col spacing

```
out <- stable(
  pmt_summarized,
  sizes = tab_size(col = 15)
)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "col-space.tex", dir = params$dir)
}
```

## 22 Header spacing

- Extra space between table rows
- Tight space between header rows

```
out <- stable(  
  pmt_summarized,  
  cols_rename = c("Clinical ... Study ... Number" = "STUDY"),  
  sizes = tab_size(row = 2.4, header_row = -1.4)  
)  
  
pt_wrap(out, con = stdout())
```

Clinical Study Number								
DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR	
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {  
  stable_save(out, file = "header-space.tex", dir = params$dir)  
}
```



## 23 Continuous long panel

```
out <- pt_cont_long(
  pmt_first, cols = "WT,CRCL,ALB", panel = "STUDYf",
  units = units
) %>% as_stable()

pt_wrap(out, con = stdout())
```

Variable	n	Mean	Median	SD	Min / Max
<b>12-DEMO-001</b>					
WT (kg)	29	72.2	70.0	14.3	50.9 / 97.2
CRCL (ml/min)	29	106	104	9.46	93.2 / 126
ALB (g/dL)	29	4.28	4.08	0.474	3.56 / 5.15
<b>12-DEMO-002</b>					
WT (kg)	49	72.4	72.1	11.5	51.5 / 96.6
CRCL (ml/min)	49	103	103	8.35	90.6 / 121
ALB (g/dL)	50	4.47	4.43	0.468	3.65 / 5.39
<b>11-DEMO-005</b>					
WT (kg)	39	68.9	65.4	14.5	43.6 / 92.8
CRCL (ml/min)	39	58.8	56.2	29.7	15.4 / 103
ALB (g/dL)	39	4.41	4.44	0.537	3.51 / 5.39
<b>13-DEMO-001</b>					
WT (kg)	40	69.4	68.1	11.6	50.7 / 96.6
CRCL (ml/min)	37	102	102	8.19	90.7 / 119
ALB (g/dL)	38	3.58	3.65	1.15	1.28 / 5.38
<b>All data</b>					
WT (kg)	157	70.7	70.0	12.8	43.6 / 97.2
CRCL (ml/min)	154	92.1	98.8	25.5	15.4 / 126
ALB (g/dL)	156	4.20	4.32	0.793	1.28 / 5.39

n: number of records summarized

SD: standard deviation

Min: minimum; Max: maximum

```
if(params$save) {
  stable_save(out, file = "continuous-long-panel.tex", dir = params$dir)
}
```

## 24 Continuous wide by

```
out <- pt_cont_wide(  
  pmt_first,  
  cols = "WT,CRCL,ALB", by = "STUDYf",  
  units = units  
) %>% as_stable()
```

```
pt_wrap(out, con = stdout())
```

STUDYf	WT (kg)	CRCL (ml/min)	ALB (g/dL)
12-DEMO-001	72.2 (14.3) [29]	106 (9.46) [29]	4.28 (0.474) [29]
12-DEMO-002	72.4 (11.5) [49]	103 (8.35) [49]	4.47 (0.468) [50]
11-DEMO-005	68.9 (14.5) [39]	58.8 (29.7) [39]	4.41 (0.537) [39]
13-DEMO-001	69.4 (11.6) [40]	102 (8.19) [37]	3.58 (1.15) [38]
<b>All data</b>	70.7 (12.8) [157]	92.1 (25.5) [154]	4.20 (0.793) [156]

Summary is mean (sd) [count]

```
if(params$save) {  
  stable_save(out, file = "continuous-wide-by.tex", dir = params$dir)  
}
```

## 25 Categorical long by

```
out <- pt_cat_long(
  pmt_first,
  cols = "SEXf,RFf,FORMf",
  span = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

	STUDYf				
	12-DEMO-001 n = 30	12-DEMO-002 n = 50	11-DEMO-005 n = 40	13-DEMO-001 n = 40	Summary n = 160
<b>SEXf</b>					
male	10 (33.3)	18 (36.0)	29 (72.5)	23 (57.5)	80 (50.0)
female	20 (66.7)	32 (64.0)	11 (27.5)	17 (42.5)	80 (50.0)
<b>RFf</b>					
normal	30 (100.0)	50 (100.0)	10 (25.0)	40 (100.0)	130 (81.2)
mild	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)	10 (6.2)
moderate	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)	10 (6.2)
severe	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)	10 (6.2)
<b>FORMf</b>					
tablet	25 (83.3)	42 (84.0)	30 (75.0)	33 (82.5)	130 (81.2)
capsule	3 (10.0)	6 (12.0)	3 (7.5)	3 (7.5)	15 (9.4)
troche	2 (6.7)	2 (4.0)	7 (17.5)	4 (10.0)	15 (9.4)

Summary is count (percent)

n: number of records summarized

```
if(params$save) {
  stable_save(out, file = "cat-long-span.tex", dir = params$dir)
}
```

## 26 Categorical wide by panel

```
out <- pt_cat_wide(
  pmt_first,
  cols = "SEXf,RFf",
  by = "FORMf",
  panel = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

FORMf	n	SEXf		RFf			
		male	female	normal	mild	moderate	severe
12-DEMO-001							
tablet	25	7 (28.0)	18 (72.0)	25 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
capsule	3	1 (33.3)	2 (66.7)	3 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
troche	2	2 (100.0)	0 (0.0)	2 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
12-DEMO-002							
tablet	42	16 (38.1)	26 (61.9)	42 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
capsule	6	2 (33.3)	4 (66.7)	6 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
troche	2	0 (0.0)	2 (100.0)	2 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
11-DEMO-005							
tablet	30	20 (66.7)	10 (33.3)	9 (30.0)	7 (23.3)	6 (20.0)	8 (26.7)
capsule	3	3 (100.0)	0 (0.0)	0 (0.0)	2 (66.7)	0 (0.0)	1 (33.3)
troche	7	6 (85.7)	1 (14.3)	1 (14.3)	1 (14.3)	4 (57.1)	1 (14.3)
13-DEMO-001							
tablet	33	19 (57.6)	14 (42.4)	33 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
capsule	3	1 (33.3)	2 (66.7)	3 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
troche	4	3 (75.0)	1 (25.0)	4 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
All data	160	80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)  
n: number of records summarized

```
if(params$save) {
  stable_save(out, file = "cat-wide-by-panel.tex", dir = params$dir)
}
```

## 27 Inventory by

```
out <- pt_data_inventory(  
  pmt_pk,  
  by = "STUDYf"  
) %>% as_stable()  
  
pt_wrap(out, con = stdout())
```

STUDYf	Number				Percent	
	SUBJ	MISS	OBS	BQL	OBS	BQL
12-DEMO-001	30	8	427	15	13.9	0.5
12-DEMO-002	50	10	1152	38	37.4	1.2
11-DEMO-005	40	10	920	30	29.9	1.0
13-DEMO-001	40	7	582	11	18.9	0.4
<b>All data</b>	160	35	3081	94	100.0	3.1

SUBJ: subjects  
BQL: below quantitation limit  
MISS: missing observations (not BQL)  
OBS: observations

```
if(params$save) {  
  stable_save(out, file = "inventory-by.tex", dir = params$dir)  
}
```

## 28 Inventory panel by

```
out <- pt_data_inventory(
  pmt_pk,
  panel = "FORMf",
  by = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

STUDYf	Number				Group percent		Overall percent	
	SUBJ	MISS	OBS	BQL	OBS	BQL	OBS	BQL
<b>tablet</b>								
12-DEMO-001	25	8	356	11	14.3	0.4	11.6	0.4
12-DEMO-002	42	7	969	32	38.9	1.3	31.5	1.0
11-DEMO-005	30	9	687	24	27.6	1.0	22.3	0.8
13-DEMO-001	33	6	479	10	19.2	0.4	15.5	0.3
<b>capsule</b>								
12-DEMO-001	3	0	41	4	14.0	1.4	1.3	0.1
12-DEMO-002	6	2	137	5	46.8	1.7	4.4	0.2
11-DEMO-005	3	1	70	1	23.9	0.3	2.3	0.0
13-DEMO-001	3	0	45	0	15.4	0.0	1.5	0.0
<b>troche</b>								
12-DEMO-001	2	0	30	0	10.1	0.0	1.0	0.0
12-DEMO-002	2	1	46	1	15.5	0.3	1.5	0.0
11-DEMO-005	7	0	163	5	54.9	1.7	5.3	0.2
13-DEMO-001	4	1	58	1	19.5	0.3	1.9	0.0
<b>All data</b>	160	35	3081	94	—	—	100.0	3.1

SUBJ: subjects

BQL: below quantitation limit

MISS: missing observations (not BQL)

OBS: observations

```
if(params$save) {
  stable_save(out, file = "inventory-panel-by.tex", dir = params$dir)
}
```

## 29 Inventory stacked

```
out <- pt_data_inventory(
  pmt_obs,
  by = "STUDYf",
  panel = "SEQf",
  stacked = TRUE
) %>% as_stable()

pt_wrap(out, con = stdout())
```

STUDYf	Number				Percent	
	SUBJ	MISS	OBS	BQL	OBS	BQL
<b>DEMO PK</b>						
12-DEMO-001	30	8	427	15	13.9	0.5
12-DEMO-002	50	10	1152	38	37.4	1.2
11-DEMO-005	40	10	920	30	29.9	1.0
13-DEMO-001	40	7	582	11	18.9	0.4
<i>Group Total</i>	160	35	3081	94	100.0	3.1
<b>ESTRDIOL</b>						
11-DEMO-005	40	0	40	0	50.6	0.0
13-DEMO-001	40	1	39	0	49.4	0.0
<i>Group Total</i>	80	1	79	0	100.0	0.0
<b>BMD</b>						
11-DEMO-005	40	9	111	0	49.1	0.0
13-DEMO-001	40	5	115	0	50.9	0.0
<i>Group Total</i>	80	14	226	0	100.0	0.0

SUBJ: subjects  
 BQL: below quantitation limit  
 MISS: missing observations (not BQL)  
 OBS: observations

```
if(params$save) {
  stable_save(out, file = "inventory-stacked.tex", dir = params$dir)
}
```