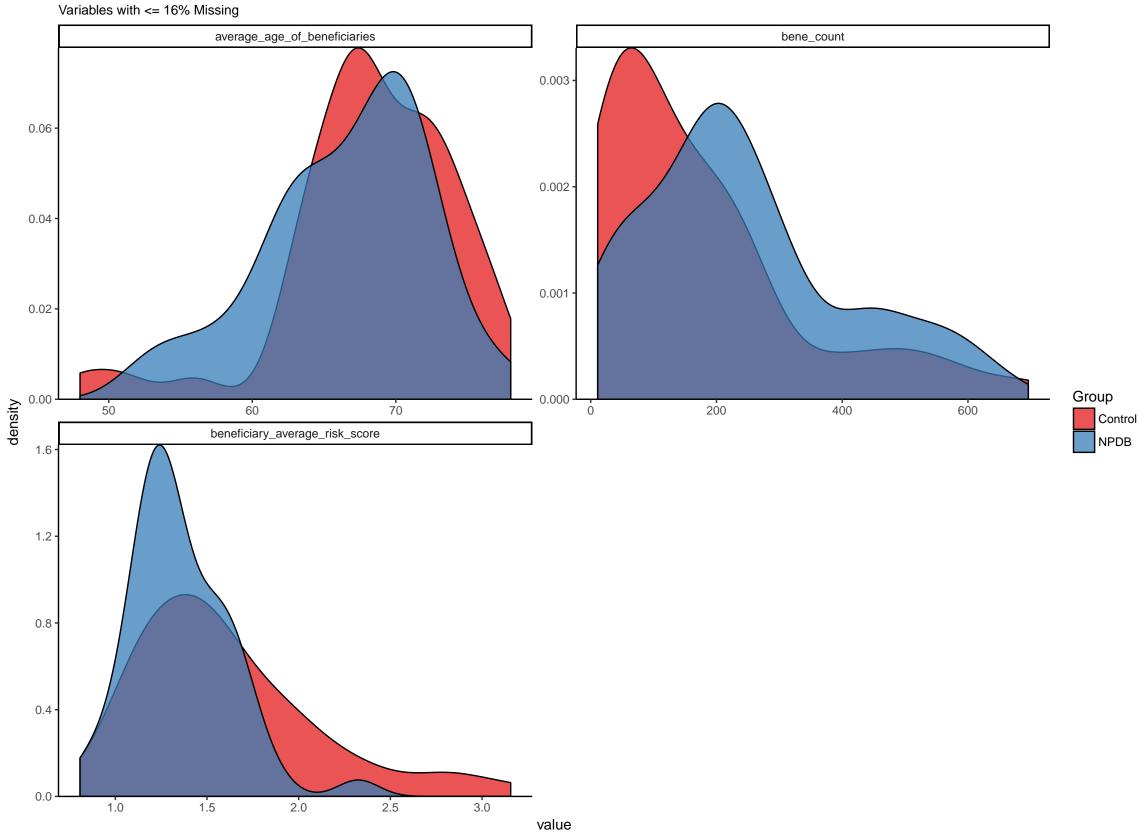
## Beneficiary Data by Group



## Claim Count Data by Group Variables with <= 16% Missing generic\_claim\_count lis\_claim\_count mapd\_claim\_count 0.0016 0.0003 -0.0006 -0.0012 0.0002 0.0004 -0.0008 0.0001 0.0002 -0.0004 0.0000 0.0000 0.0000 5000 15000 10000 10000 5000 4000 6000 8000 2000 nonlis\_claim\_count opioid\_claim\_count pdp\_claim\_count 0.006 -0.0005 -0.0004 0.0004 0.0003 0.004 -Group 0.0003 Control 0.0002 NPDB 0.0002 0.002 -0.0001 0.0001 0.000 0.0000 0.0000 6000 10000 2000 4000 5000 10000 15000 20000 5000 total\_claim\_count\_ge65 total\_claim\_count 0.0003 -0.0004 -0.0003 -0.0002 0.0002 -0.0001 0.0001

20000

15000

0.0000 -

5000

10000

value

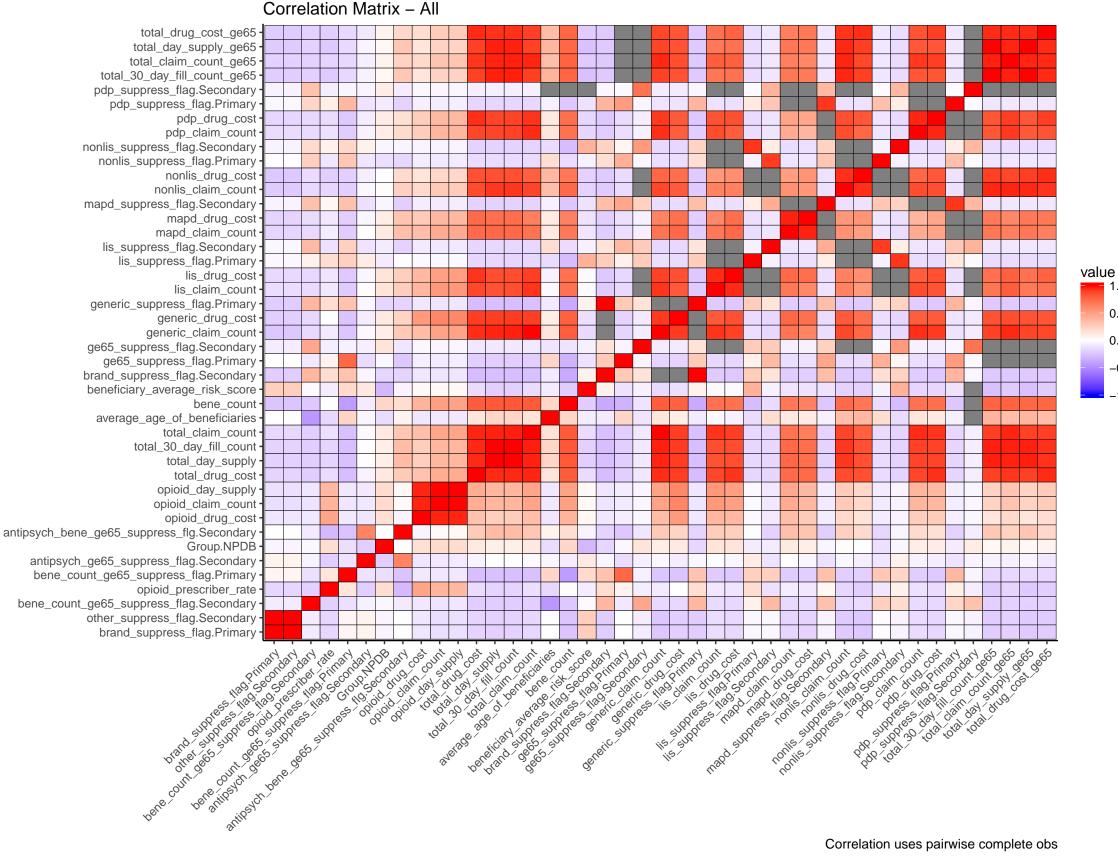
20000

15000

0.0000

5000

10000



1.0

0.5

0.0

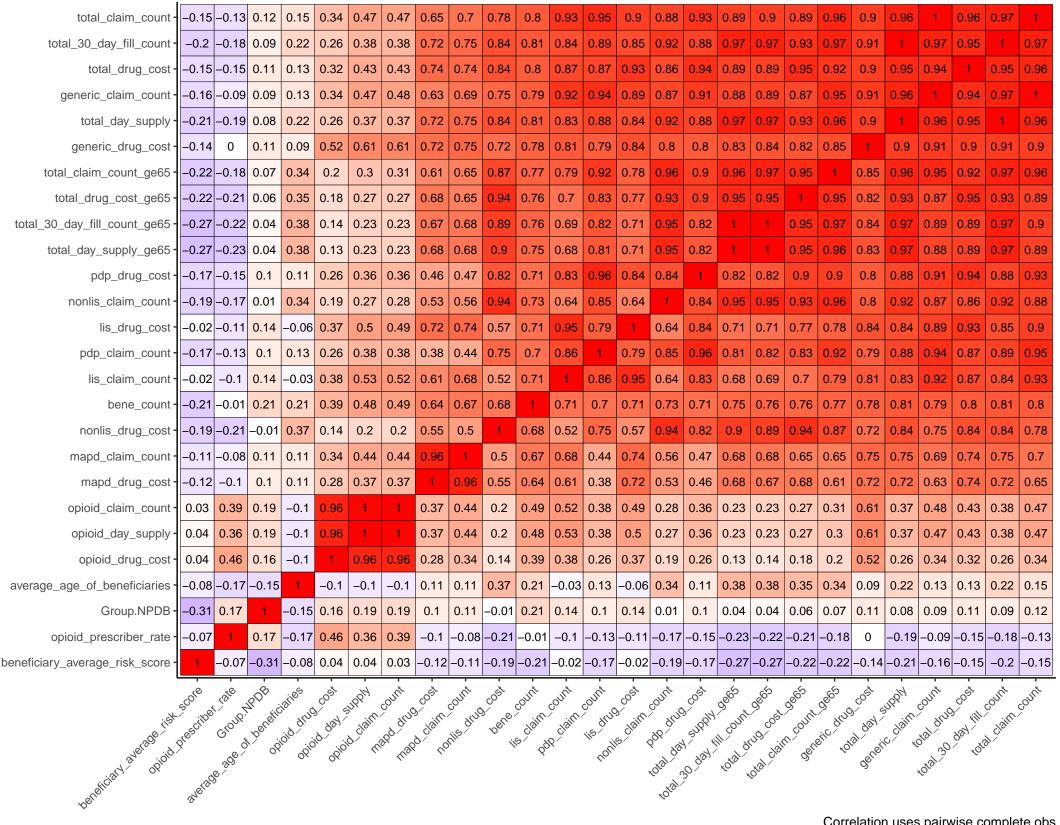
-0.5

## Correlation Matrix - Factors

Correlation Matrix – Factors																		
mapd_suppress_flag.Secondary -	-0.21	-0.04	-0.13	-0.05	-0.05	0.37	0.1	0.3	0.32	0.24	0.32	0.46	0.34	0.34	0.23	0.92	0.43	1
lis_suppress_flag.Secondary -	-0.19	-0.08	-0.12	-0.03	-0.03	0.4	-0.06	0.91	0.36	0.26	0.25	0.36	0.14	0.14	0.1	0.29	1	0.43
pdp_suppress_flag.Primary -	-0.19	-0.08	-0.12	-0.03	-0.03	-0.03	0.11	0.33	0.21	-0.04	0.37	0.51	0.38	0.38	0.1	1	0.29	0.92
nonlis_suppress_flag.Secondary -	-0.04	-0.04	0.08	-0.05	-0.05	0.37	0.92	-0.06	0.19	0.52	0.21	0.05	0.23	0.23	1	0.1	0.1	0.23
generic_suppress_flag.Primary -	-0.18	-0.17	-0.04	-0.21	-0.21	-0.04	0.26	0.17	0.38	0.15	0.31	0.28	1	1	0.23	0.38	0.14	0.34
brand_suppress_flag.Secondary -	-0.18	-0.17	-0.04	-0.21	-0.21	-0.04	0.26	0.17	0.38	0.15	0.31	0.28	1	1	0.23	0.38	0.14	0.34
ge65_suppress_flag.Primary -	-0.24	-0.03	-0.15	0	0	-0.03	0.07	0.41	-0.1	-0.04	0.75	1	0.28	0.28	0.05	0.51	0.36	0.46
bene_count_ge65_suppress_flag.Primary -	-0.26	-0.14	-0.12	0.05	0.05	-0.04	0.25	0.29	-0.13	-0.06	1	0.75	0.31	0.31	0.21	0.37	0.25	0.32
ge65_suppress_flag.Secondary -	-0.11	0.14	-0.07	-0.08	-0.08	0.7	0.26	-0.03	0.45	1	-0.06	-0.04	0.15	0.15	0.52	-0.04	0.26	0.24
bene_count_ge65_suppress_flag.Secondary -	-0.09	-0.03	-0.06	-0.08	-0.08	0.32	0.07	0.25	1	0.45	-0.13	-0.1	0.38	0.38	0.19	0.21	0.36	0.32
nonlis_suppress_flag.Primary -	-0.17	-0.14	-0.11	-0.01	-0.01	-0.02	-0.06	1	0.25	-0.03	0.29	0.41	0.17	0.17	-0.06	0.33	0.91	0.3
lis_suppress_flag.Primary -	-0.01	-0.08	0.1	-0.03	-0.03	-0.03	1	-0.06	0.07	0.26	0.25	0.07	0.26	0.26	0.92	0.11	-0.06	0.1
pdp_suppress_flag.Secondary -	-0.08	0.1	-0.05	-0.05	-0.05	1	-0.03	-0.02	0.32	0.7	-0.04	-0.03	-0.04	-0.04	0.37	-0.03	0.4	0.37
other_suppress_flag.Secondary -	0	-0.05	0.07	1	1	-0.05	-0.03	-0.01	-0.08	-0.08	0.05	0	-0.21	-0.21	-0.05	-0.03	-0.03	-0.05
brand_suppress_flag.Primary -	0	-0.05	0.07	1	1	-0.05	-0.03	-0.01	-0.08	-0.08	0.05	0	-0.21	-0.21	-0.05	-0.03	-0.03	-0.05
antipsych_ge65_suppress_flag.Secondary -	0.62	-0.21	1	0.07	0.07	-0.05	0.1	-0.11	-0.06	-0.07	-0.12	-0.15	-0.04	-0.04	0.08	-0.12	-0.12	-0.13
Group.NPDB -	0	1	-0.21	-0.05	-0.05	0.1	-0.08	-0.14	-0.03	0.14	-0.14	-0.03	-0.17	-0.17	-0.04	-0.08	-0.08	-0.04
antipsych_bene_ge65_suppress_flg.Secondary -	1	0	0.62	0	0	-0.08	-0.01	-0.17	-0.09	-0.11	-0.26	-0.24	-0.18	-0.18	-0.04	-0.19	-0.19	-0.21
The state of the s																		

value
1.0
0.5
0.0
-0.5
-1.0

## Correlation Matrix – Numeric



value 1.0

0.5

0.0

-0.5

-1.0

Cost Data by Group Variables with <= 16% Missing generic\_drug\_cost lis\_drug\_cost mapd\_drug\_cost 0.000020 0.000006 0.000010 -0.000015 0.000004 0.000010 0.000005 0.000002 0.000005 0.000000 0.000000 0.000000 100000 400000 400000 200000 300000 200000 600000 200000 600000 nonlis\_drug\_cost opioid\_drug\_cost pdp\_drug\_cost 0.000005 0.00020 0.0000075 0.000004 Group 0.00015 density 0.0000050 0.000003 Control NPDB 0.00010 0.000002 0.0000025 0.00005 0.000001 0.00000 0.0000000 0.000000 200000 600000 400000 100000 200000 300000 500000 1000000 total\_drug\_cost total\_drug\_cost\_ge65 0.000006 0.000004 0.000003 -0.000004 0.000002 -0.000002

0.000000

250000

0

500000 750000 1000000 1250000

value

0.000001

0.000000

500000

1000000

Flag Variables by Group antipsych\_bene\_ge65\_suppress\_flg antipsych\_ge65\_suppress\_flag bene\_count\_ge65\_suppress\_flag 40 -30 40 30 30 20 20 . 20 10 10 -10 Complete Primary Complete Secondary Secondary Complete Secondary brand\_suppress\_flag ge65\_suppress\_flag generic\_suppress\_flag 40 40 -30 . 30 30 · 20 20 20 -10 10 10 -Group Complete Primary Complete Complete Secondary Primary Secondary Primary Control  $\subseteq$ lis\_suppress\_flag mapd\_suppress\_flag nonlis\_suppress\_flag NPDB 40 -40 40 30 30 30 20 20 -20 10 -10 10 -Complete Primary Secondary Complete Secondary Complete Primary Secondary other\_suppress\_flag pdp\_suppress\_flag 40 30 30 20 20 10 -10

Complete

Secondary

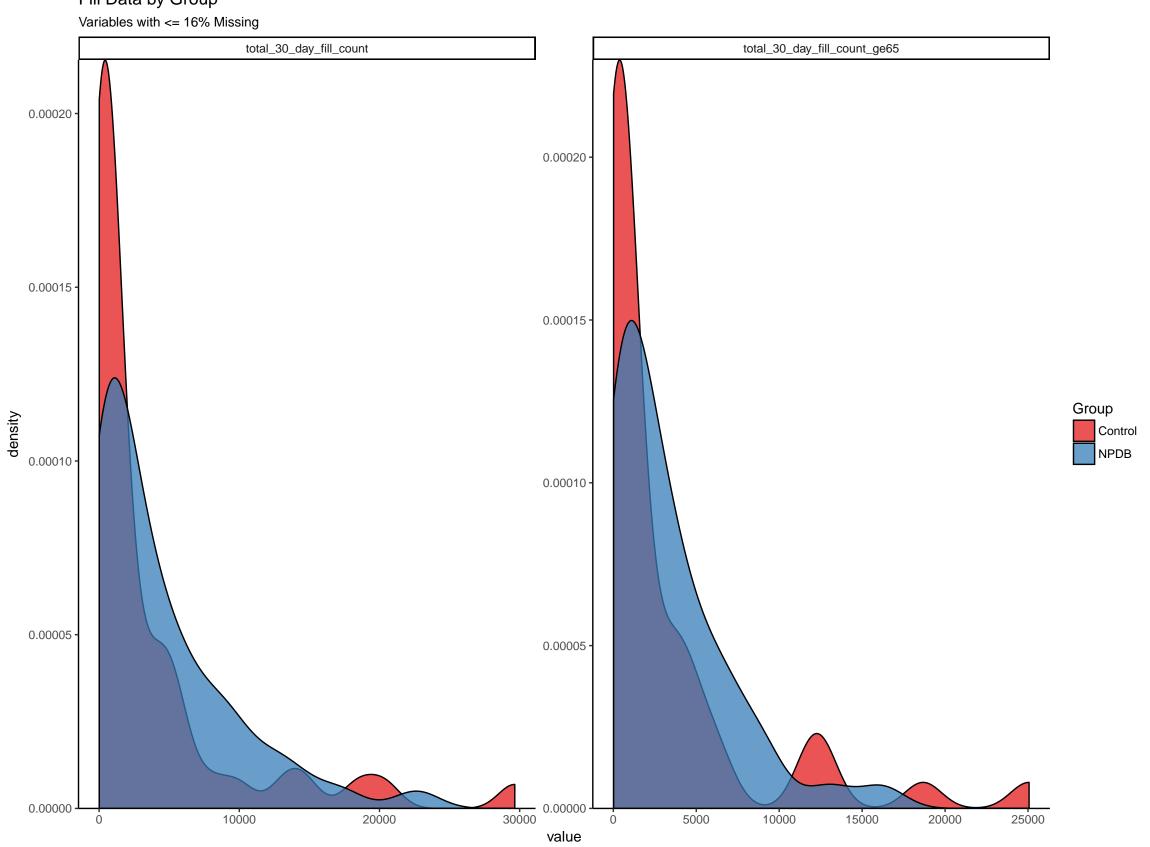
Complete

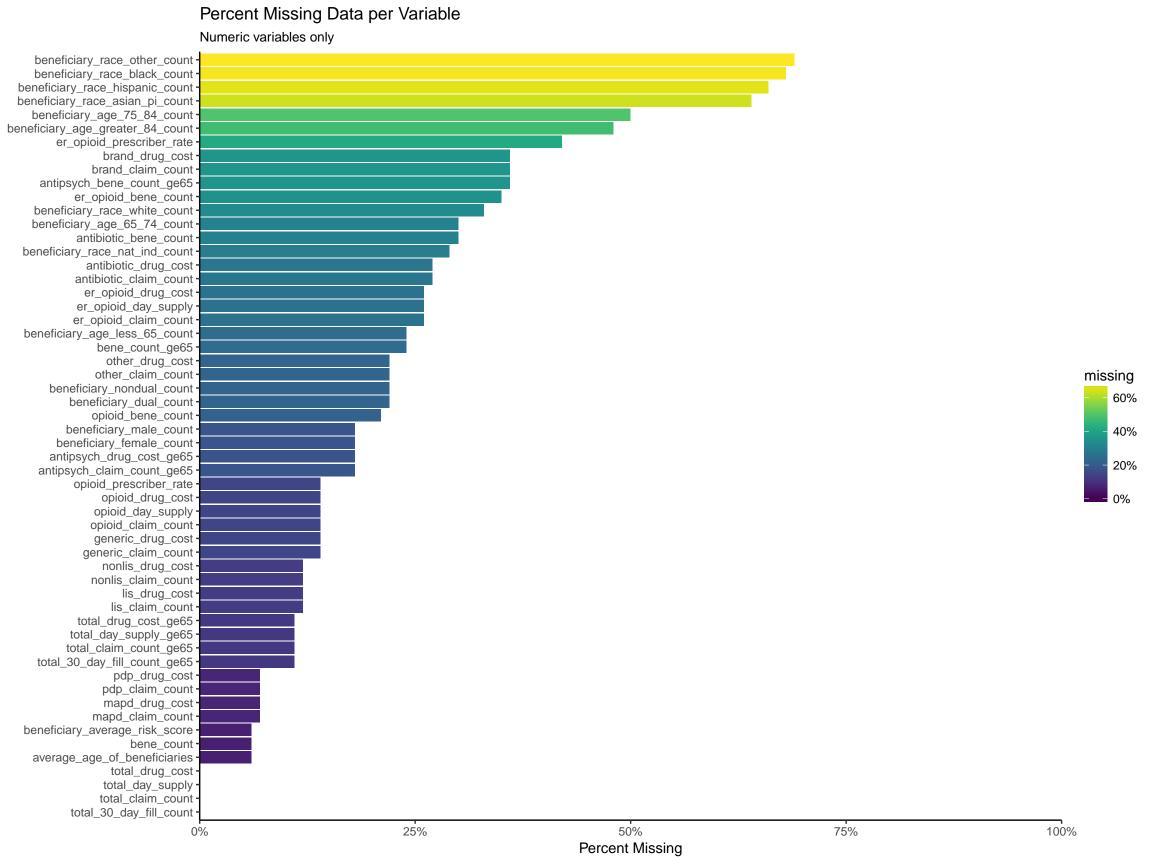
Primary

value

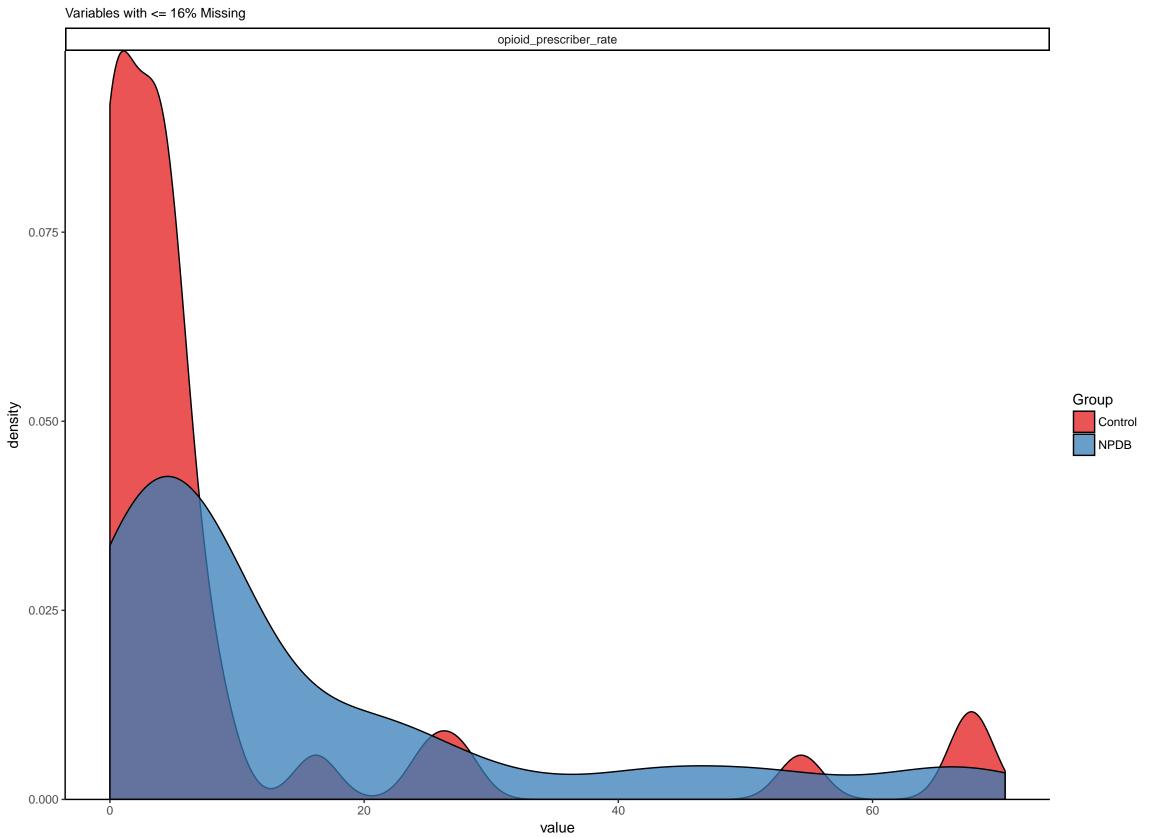
Secondary

Fill Data by Group





Other Variables by Group



Day's Supply Data by Group

