```
      name:  <unnamed>
       log:  /Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/JHM R1/Early Look JHM R1 full s
> tata code v01 LOG.smcl
  log type:  smcl
 opened on:   8 May 2021, 12:21:44

 1 . do "/Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/JHM R1/Early Look JHM R1 full stata co
   > de v01.do"

 2 . /* run redcap import statement */
 3 . /* save as dta */
 4 .
 5 . /* separate waves */
 6 .
 7 . version 16.1

 8 . clear

 9 . set more off

10 . set scheme dubois

11 .
12 . use "/Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/BLUE CORAL DATA Deidentified v02/BLUE
   > CORALLTODatabase-M1PatientProxyReport_DATA_2021-02-26_de-identified.dta"

13 .
14 . preserve

15 . keep if redcap_event_name=="baseline_arm_1"
   (263 observations deleted)

16 . keep record_id age sex race ethnicity los_day dispo

17 . sort record_id

18 . duplicates report record_id

   Duplicates in terms of record_id

   ------------------------------------
      copies | observations       surplus
   ----------+-------------------------
           1 |          256             0
   ------------------------------------

19 .  /* make sure no duplicates */
20 . save "/Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/BLUE CORAL DATA Deidentified v02/BLU
   > ECORALLTODatabase_EngPt_STATA data_2021-02-26.baseline", replace
   file /Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/BLUE CORAL DATA Deidentified v02/BLUECO
   > RALLTODatabase_EngPt_STATA data_2021-02-26.baseline saved

21 . restore

22 .
23 . keep if redcap_event_name=="month_1_arm_1"
   (256 observations deleted)

24 . drop age sex race ethnicity los_day dispo

25 . sort record_id

26 . duplicates report record_id

   Duplicates in terms of record_id

   ------------------------------------
      copies | observations       surplus
   ----------+-------------------------
           1 |          249             0
           2 |           14             7
   ------------------------------------

27 . merge record_id using "/Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/BLUE CORAL DATA Dei
   > dentified v02/BLUECORALLTODatabase_EngPt_STATA data_2021-02-26.baseline"
```

```
(note: you are using old merge syntax; see [D] merge for new syntax)
variable record_id does not uniquely identify observations in the master data

. tab _merge

      _merge |      Freq.     Percent        Cum.
-------------+-----------------------------------
           3 |        263      100.00      100.00
-------------+-----------------------------------
       Total |        263      100.00

.
.
.
. /* Final complete data inclusion */
.
. keep if patient_posthospital_survey_comp==2 | ///
>    spanish_patient_posthospital_sur==2 | ///
>    proxy_posthospital_survey_comple==2 | ///
>    spanish_proxy_posthospital_surve==2
(5 observations deleted)

. keep if !missing(age)
(3 observations deleted)

. keep if !missing(sex)
(2 observations deleted)

.
. /* get rid of some extra data to make the dataset more manageable */
.
. drop d_* a_* hs* *_sp *_px *_sp_px

.
. /* Table 1 */
.
. gen site = substr(upper(record_id), 1, 3)

. encode site, gen(site_num)

. xtset site_num
       panel variable:  site_num (unbalanced)

.
. gen raceeth = 4 /* unknown or other */

. replace raceeth=2 if race==3 & ethnicity==0 /* non-hispanic Black */
(23 real changes made)

. replace raceeth=1 if race==5 & ethnicity==0 /* non-hispanic White */
(136 real changes made)

. replace raceeth=3 if ethnicity==1 /* hispanic */
(83 real changes made)

.
. gen female=1 if sex==1
(142 missing values generated)

. replace female=0 if sex==0
(142 real changes made)

.
. gen age_10 = age/10

. gen age_10_2 = age_10*age_10

.
. gen los_week=los_day/7
(1 missing value generated)

.
. gen dispo_home=(dispo==1) if !missing(dispo)

.
. label define dispo_2catlab 1 "Home without Services" 0 "Other Discharge"
```

```
64 . label val dispo_home dispo_2catlab

65 .
66 . gen dispo_3cat=.
   (253 missing values generated)

67 . replace dispo_3cat=1 if dispo_home
   (197 real changes made)

68 . replace dispo_3cat=2 if dispo==2
   (39 real changes made)

69 . replace dispo_3cat=3 if dispo>=3
   (17 real changes made)

70 .
71 . label define dispo_3catlab 1 "Home" 2 "Home with Services" 3 "Inpatient"

72 . label val dispo_3cat dispo_3catlab

73 .
74 . sum age, detail
```

age

Percentiles		Smallest		
1%	19.3	.5		
5%	26	.9		
10%	31.6	19.3	Obs	253
25%	44.8	20.6	Sum of Wgt.	253
50%	59.6		Mean	56.64585
		Largest	Std. Dev.	17.33975
75%	67.9	89		
90%	77.7	90.5	Variance	300.667
95%	82.5	91.1	Skewness	-.4442246
99%	90.5	91.7	Kurtosis	2.914864

```
75 . tab raceeth, m
```

raceeth	Freq.	Percent	Cum.
1	136	53.75	53.75
2	23	9.09	62.85
3	83	32.81	95.65
4	11	4.35	100.00
Total	253	100.00	

```
76 . tab female, m
```

female	Freq.	Percent	Cum.
0	142	56.13	56.13
1	111	43.87	100.00
Total	253	100.00	

```
77 . sum los_day, detail
```

los_day

Percentiles		Smallest		
1%	1	0		
5%	1	1		
10%	2	1	Obs	252
25%	3	1	Sum of Wgt.	252
50%	5		Mean	6.253968
		Largest	Std. Dev.	4.577681
75%	8	22		
90%	12	22	Variance	20.95516
95%	16	26	Skewness	1.670207
99%	22	26	Kurtosis	6.404287

```
78 . tab dispo, m
```

dispo	Freq.	Percent	Cum.
1	197	77.87	77.87
2	39	15.42	93.28
3	2	0.79	94.07
4	1	0.40	94.47
5	11	4.35	98.81
9	3	1.19	100.00
Total	253	100.00	

```
79 . tab dispo_home, m
```

dispo_home	Freq.	Percent	Cum.
Other Discharge	56	22.13	22.13
Home without Services	197	77.87	100.00
Total	253	100.00	

```
80 .
81 . tab proxy_posthospital_survey_comple spanish_proxy_posthospital_surve, missing
```

proxy_posthospital_survey_complete	spanish_proxy_posthospital_survey_complete		Total
	2	.	
2	0	5	5
.	2	246	248
Total	2	251	253

```
82 .
83 . /* Self-reported new cardiovascular symptoms, Old Table 2, now R1.Table1 */
84 . rename *_new *

85 .
86 . foreach var of varlist csrs_cough csrs_chest csrs_breathless csrs_emotion csrs_house csrs_home csrs_laugh {
  2.         gen new_`var' = (`var'==1) & (`var'_comp==2) if !missing(`var')
  3.         replace new_`var'=0 if `var'==3
  4. }
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)

87 .
88 . foreach var of varlist csrs_oxygen {
  2.         gen new_`var' = (`var'==1) & (`var'_comp==1 | `var'_comp==2) if !missing(`var')
  3.         replace new_`var'=0 if `var'==3
  4. }
(7 missing values generated)
(0 real changes made)

89 .
90 .
91 . foreach var of varlist csrs_swelling csrs_breath csrs_heartbeat csrs_chestpain {
  2.         gen new_`var' = (`var'!=1) & (`var'_comp==2) if !missing(`var')
  3.         replace new_`var'=0 if `var'==1
  4. }
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
```

```
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)

92 .
93 . foreach var of varlist new_csrs_cough new_csrs_chest new_csrs_breathless new_csrs_emotion ///
   >    new_csrs_house new_csrs_home new_csrs_laugh ///
   >    new_csrs_oxygen ///
   >    new_csrs_swelling new_csrs_breath new_csrs_heartbeat new_csrs_chestpain {
     2.    tab `var'
     3.    ci proportions `var'
     4.    }

new_csrs_co |
        ugh |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |        189       76.83       76.83
          1 |         57       23.17      100.00
------------+-----------------------------------
      Total |        246      100.00

                                                    -- Binomial Exact --
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+------------------------------------------------------------
new_csrs_c~h |        246    .2317073    .0269008        .1804715    .2895325

new_csrs_ch |
        est |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |        218       88.62       88.62
          1 |         28       11.38      100.00
------------+-----------------------------------
      Total |        246      100.00

                                                    -- Binomial Exact --
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+------------------------------------------------------------
new_csrs_c~t |        246    .1138211     .020249          .07698    .1602888

new_csrs_br |
   eathless |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |        213       86.59       86.59
          1 |         33       13.41      100.00
------------+-----------------------------------
      Total |        246      100.00

                                                    -- Binomial Exact --
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+------------------------------------------------------------
new_csrs_b~s |        246    .1341463    .0217292        .0941716    .1832042

new_csrs_em |
      otion |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |        206       83.74       83.74
          1 |         40       16.26      100.00
------------+-----------------------------------
      Total |        246      100.00

                                                    -- Binomial Exact --
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+------------------------------------------------------------
new_csrs_e~n |        246    .1626016    .0235267        .1187775    .2147668

new_csrs_ho |
        use |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |        208       84.55       84.55
          1 |         38       15.45      100.00
------------+-----------------------------------
      Total |        246      100.00

                                                    -- Binomial Exact --
```

Variable	Obs	Proportion	Std. Err.	[95% Conf.	Interval]
new_csrs_~se	246	.1544715	.023042	.1116907	.2058037

new_csrs_home	Freq.	Percent	Cum.
0	210	85.37	85.37
1	36	14.63	100.00
Total	246	100.00	

				Binomial Exact	
Variable	Obs	Proportion	Std. Err.	[95% Conf.	Interval]
new_csrs_~me	246	.1463415	.022535	.1046476	.1967982

new_csrs_laugh	Freq.	Percent	Cum.
0	208	84.55	84.55
1	38	15.45	100.00
Total	246	100.00	

				Binomial Exact	
Variable	Obs	Proportion	Std. Err.	[95% Conf.	Interval]
new_csrs_l~h	246	.1544715	.023042	.1116907	.2058037

new_csrs_oxygen	Freq.	Percent	Cum.
0	207	84.15	84.15
1	39	15.85	100.00
Total	246	100.00	

				Binomial Exact	
Variable	Obs	Proportion	Std. Err.	[95% Conf.	Interval]
new_csrs_o~n	246	.1585366	.0232871	.1152288	.2102904

new_csrs_swelling	Freq.	Percent	Cum.
0	225	91.46	91.46
1	21	8.54	100.00
Total	246	100.00	

				Binomial Exact	
Variable	Obs	Proportion	Std. Err.	[95% Conf.	Interval]
new_csrs_s~g	246	.0853659	.0178155	.0536197	.1275304

new_csrs_breath	Freq.	Percent	Cum.
0	222	90.24	90.24
1	24	9.76	100.00
Total	246	100.00	

				Binomial Exact	
Variable	Obs	Proportion	Std. Err.	[95% Conf.	Interval]
new_csrs_b~h	246	.097561	.0189182	.0635141	.1416811

new_csrs_heartbeat	Freq.	Percent	Cum.
0	199	80.89	80.89
1	47	19.11	100.00
Total	246	100.00	

```
                                                              ── Binomial Exact ──
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+--------------------------------------------------------------------
new_csrs_h~t |        246    .1910569    .0250653        .1438895    .2458376

    new_csrs_ch |
        estpain |      Freq.     Percent        Cum.
----------------+-----------------------------------
              0 |        218       88.62       88.62
              1 |         28       11.38      100.00
----------------+-----------------------------------
          Total |        246      100.00

                                                              ── Binomial Exact ──
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+--------------------------------------------------------------------
new_csrs_c~n |        246    .1138211     .020249          .07698    .1602888

 94 .
 95 . gen new_complaints= new_csrs_cough + new_csrs_chest + new_csrs_breathless + ///
    >    new_csrs_emotion + new_csrs_house + new_csrs_home + new_csrs_laugh + ///
    >    new_csrs_oxygen + ///
    >    new_csrs_swelling + new_csrs_breath + new_csrs_heartbeat + new_csrs_chestpain
    (7 missing values generated)

 96 .
 97 . tab new_complaints, m

    new_complai |
            nts |      Freq.     Percent        Cum.
----------------+-----------------------------------
              0 |        107       42.29       42.29
              1 |         48       18.97       61.26
              2 |         32       12.65       73.91
              3 |         11        4.35       78.26
              4 |          9        3.56       81.82
              5 |         17        6.72       88.54
              6 |          7        2.77       91.30
              7 |          6        2.37       93.68
              8 |          4        1.58       95.26
              9 |          3        1.19       96.44
             10 |          2        0.79       97.23
              . |          7        2.77      100.00
----------------+-----------------------------------
          Total |        253      100.00

 98 .
 99 . gen new_any = (new_complaints!=0) if !missing(new_complaints)
    (7 missing values generated)

100 .
101 . tab new_any, m

    new_any |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |        107       42.29       42.29
          1 |        139       54.94       97.23
          . |          7        2.77      100.00
------------+-----------------------------------
      Total |        253      100.00

102 . ci proportions new_any

                                                              ── Binomial Exact ──
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+--------------------------------------------------------------------
     new_any |        246    .5650407     .031608        .5005893    .6279056

103 .
104 . xtlogit new_any female age_10  i.raceeth, re or

    Fitting comparison model:

    Iteration 0:   log likelihood =   -168.427
    Iteration 1:   log likelihood = -159.02174
```

```
Iteration 2:   log likelihood = -158.98826
Iteration 3:   log likelihood = -158.98826

Fitting full model:

tau =  0.0     log likelihood = -158.98826
tau =  0.1     log likelihood = -160.09597

Iteration 0:   log likelihood = -160.09597
Iteration 1:   log likelihood = -159.05849
Iteration 2:   log likelihood = -159.00202
Iteration 3:   log likelihood = -158.99076
Iteration 4:   log likelihood = -158.98883
Iteration 5:   log likelihood = -158.98839
Iteration 6:   log likelihood = -158.98828
Iteration 7:   log likelihood = -158.98827

Random-effects logistic regression              Number of obs     =        246
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.5
                                                              max =         39

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(5)      =      17.33
Log likelihood  = -158.98827                    Prob > chi2       =     0.0039
```

new_any	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	2.073285	.568429	2.66	0.008	1.211398	3.548391
age_10	.9128249	.0752155	-1.11	0.268	.7766934	1.072816
raceeth						
2	.3116879	.1491558	-2.44	0.015	.1220068	.7962614
3	.3934325	.1198523	-3.06	0.002	.2165542	.7147822
4	.6953646	.478896	-0.53	0.598	.1802985	2.681842
_cons	2.458766	1.328041	1.67	0.096	.853026	7.08716
/lnsig2u	-13.50139	36.32099			-84.68922	57.68645
sigma_u	.0011701	.021249			4.07e-19	3.36e+12
rho	4.16e-07	.0000151			5.04e-38	1

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 3.4e-05                 Prob >= chibar2 = 0.498

105 . xtlogit new_any female age_10  age_10_2 i.raceeth, re or

Fitting comparison model:

Iteration 0:   log likelihood =   -168.427
Iteration 1:   log likelihood =  -158.5847
Iteration 2:   log likelihood =  -158.5442
Iteration 3:   log likelihood = -158.54419

Fitting full model:

tau =  0.0     log likelihood = -158.54419
tau =  0.1     log likelihood = -159.68174

Iteration 0:   log likelihood = -159.68174
Iteration 1:   log likelihood = -158.60822
Iteration 2:   log likelihood = -158.55795
Iteration 3:   log likelihood = -158.54659
Iteration 4:   log likelihood = -158.54475
Iteration 5:   log likelihood = -158.54431
Iteration 6:   log likelihood = -158.54421
Iteration 7:   log likelihood =  -158.5442

Random-effects logistic regression              Number of obs     =        246
```

```
Group variable: site_num                        Number of groups   =        26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =         1
                                                              avg =       9.5
                                                              max =        39

Integration method: mvaghermite                 Integration pts.   =        12

                                                Wald chi2(6)       =     18.03
Log likelihood  =  -158.5442                    Prob > chi2        =    0.0062
```

new_any	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	2.149096	.5966164	2.76	0.006	1.247244	3.703056
age_10	1.28466	.473295	0.68	0.497	.6240048	2.644772
age_10_2	.967793	.0334334	-0.95	0.343	.9044339	1.035591
raceeth						
2	.3024591	.1453945	-2.49	0.013	.1178928	.7759721
3	.3770145	.1164523	-3.16	0.002	.2057969	.6906808
4	.6903666	.4761818	-0.54	0.591	.178633	2.668074
_cons	1.120492	1.095936	0.12	0.907	.1647639	7.620013
/lnsig2u	-13.77375	36.45365			-85.22159	57.6741
sigma_u	.0010211	.0186115			3.12e-19	3.34e+12
rho	3.17e-07	.0000116			2.96e-38	1

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 3.0e-05                 Prob >= chibar2 = 0.498

106 . xtlogit new_any female age_10  age_10_2 i.raceeth los_week dispo_home, re or

Fitting comparison model:

Iteration 0:   log likelihood = -167.59184
Iteration 1:   log likelihood = -154.43309
Iteration 2:   log likelihood = -154.35624
Iteration 3:   log likelihood = -154.35621
Iteration 4:   log likelihood = -154.35621

Fitting full model:

tau =  0.0     log likelihood = -154.35621
tau =  0.1     log likelihood = -155.42683

Iteration 0:   log likelihood = -155.42683
Iteration 1:   log likelihood = -154.43518
Iteration 2:   log likelihood = -154.36992
Iteration 3:   log likelihood = -154.35887
Iteration 4:   log likelihood =  -154.3568
Iteration 5:   log likelihood = -154.35635
Iteration 6:   log likelihood = -154.35624
Iteration 7:   log likelihood = -154.35623

Random-effects logistic regression              Number of obs      =       245
Group variable: site_num                        Number of groups   =        26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =         1
                                                              avg =       9.4
                                                              max =        39

Integration method: mvaghermite                 Integration pts.   =        12

                                                Wald chi2(8)       =     22.59
Log likelihood  = -154.35623                    Prob > chi2        =    0.0039
```

new_any	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	2.241244	.6325762	2.86	0.004	1.288971	3.897042

age_10	1.204772	.4630125	0.48	0.628	.5672505	2.558791
age_10_2	.9710505	.0356734	-0.80	0.424	.9035896	1.043548
raceeth						
2	.3116767	.1549563	-2.34	0.019	.1176285	.8258407
3	.3831473	.1200031	-3.06	0.002	.2073798	.7078889
4	.6970569	.4893756	-0.51	0.607	.1760654	2.759704
los_week	1.819594	.4590136	2.37	0.018	1.109811	2.98332
dispo_home	.8187239	.3083923	-0.53	0.595	.3913016	1.713023
_cons	.9826364	.994022	-0.02	0.986	.1353096	7.136037
/lnsig2u	-13.72657	36.57034			-85.40311	57.94998
sigma_u	.0010455	.0191167			2.85e-19	3.83e+12
rho	3.32e-07	.0000122			2.47e-38	1

Note: Estimates are transformed only in the first equation.
Note: **_cons** estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = **3.2e-05** Prob >= chibar2 = **0.498**

```
107 .
108 . reg pt_adl_diff_score  new_complaints
```

Source	SS	df	MS		
Model	172.567908	1	172.567908	Number of obs	= 241
Residual	1368.87608	239	5.72751496	F(1, 239)	= 30.13
				Prob > F	= 0.0000
Total	1541.44398	240	6.42268326	R-squared	= 0.1120
				Adj R-squared	= 0.1082
				Root MSE	= 2.3932

pt_adl_diff~e	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
new_complai~s	-.3645077	.0664064	-5.49	0.000	-.4953242	-.2336911
_cons	-1.041883	.1917782	-5.43	0.000	-1.419675	-.6640917

```
109 . spearman pt_adl_diff_score  new_complaints

 Number of obs =     241
Spearman's rho =     -0.2992

Test of Ho: pt_adl_diff_score and new_complaints are independent
    Prob > |t| =      0.0000

110 .
111 .
112 .
113 . /* change in disability, Figure 2 */
114 .
115 . foreach var of varlist adl_dressing adl_walking adl_bathing adl_eating adl_bed ///
>     adl_toilet adl_map adl_hotmeal adl_groceries adl_calls adl_meds adl_money ///
>         adl_stooping adl_lift {
  2.         gen limit_`var' = (`var'==1) if !missing(`var') & `var'!=8
  3.         replace limit_`var'=0 if `var'==3 | `var'==5
  4. }
(1 missing value generated)
(0 real changes made)
(2 missing values generated)
(0 real changes made)
(2 missing values generated)
(0 real changes made)
(2 missing values generated)
(0 real changes made)
(2 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(8 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(4 missing values generated)
(0 real changes made)
(3 missing values generated)
```

```
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(4 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
```

```
116 .
117 . sum limit_adl_dressing limit_adl_walking limit_adl_bathing ///
>    limit_adl_eating limit_adl_bed limit_adl_toilet limit_adl_map ///
>    limit_adl_hotmeal limit_adl_groceries limit_adl_calls ///
>    limit_adl_meds limit_adl_money limit_adl_stooping limit_adl_lift
```

Variable	Obs	Mean	Std. Dev.	Min	Max
limit_a~sing	252	.1904762	.3934582	0	1
limit_a~king	251	.1553785	.3629889	0	1
limit_a~hing	251	.1752988	.3809822	0	1
limit_a~ting	251	.0517928	.2220513	0	1
limit_adl_~d	251	.1713147	.3775366	0	1
limit_adl~et	250	.1	.3006018	0	1
limit_adl_~p	245	.1102041	.313785	0	1
limit_adl_~l	250	.152	.3597411	0	1
limit_adl~es	249	.2690763	.4443729	0	1
limit_adl~ls	250	.064	.2452439	0	1
limit_adl~ds	250	.076	.2655297	0	1
limit_adl_~y	249	.0883534	.2843798	0	1
limit_a~ping	250	.44	.4973827	0	1
limit_adl~ft	250	.464	.4997027	0	1

```
118 .
119 . tab pt_adl_diff_score, missing
```

pt_adl_diff_score	Freq.	Percent	Cum.
-12	1	0.40	0.40
-10	4	1.58	1.98
-9	2	0.79	2.77
-8	4	1.58	4.35
-7	3	1.19	5.53
-6	5	1.98	7.51
-5	18	7.11	14.62
-4	8	3.16	17.79
-3	17	6.72	24.51
-2	28	11.07	35.57
-1	40	15.81	51.38
0	100	39.53	90.91
1	7	2.77	93.68
2	7	2.77	96.44
3	2	0.79	97.23
.	7	2.77	100.00
Total	253	100.00	

```
120 . tab pt_adl_diff_score
```

pt_adl_diff_score	Freq.	Percent	Cum.
-12	1	0.41	0.41
-10	4	1.63	2.03
-9	2	0.81	2.85
-8	4	1.63	4.47
-7	3	1.22	5.69
-6	5	2.03	7.72
-5	18	7.32	15.04
-4	8	3.25	18.29
-3	17	6.91	25.20
-2	28	11.38	36.59
-1	40	16.26	52.85

```
          0 |        100       40.65       93.50
          1 |          7        2.85       96.34
          2 |          7        2.85       99.19
          3 |          2        0.81      100.00
------------+-----------------------------------
      Total |        246      100.00
```

```
121 . gen pt_adl_diff_score_neg=-1*pt_adl_diff_score
(7 missing values generated)

122 . gen adl_any_new = (pt_adl_diff_score_neg>0)

123 . replace adl_any_new = . if missing(pt_adl_diff_score_neg)
(7 real changes made, 7 to missing)

124 .
125 . ci proportions adl_any_new

                                                    -- Binomial Exact --
    Variable |        Obs  Proportion    Std. Err.       [95% Conf. Interval]
-------------+------------------------------------------------------------
 adl_any_new |        246    .5284553    .0318272        .4640249    .5921918

126 .
127 . xtreg pt_adl_diff_score female age_10 i.raceeth, re

Random-effects GLS regression                   Number of obs     =       246
Group variable: site_num                        Number of groups  =        26

R-sq:                                           Obs per group:
     within  = 0.0721                                         min =         1
     between = 0.0620                                         avg =       9.5
     overall = 0.0760                                         max =        39

                                                Wald chi2(5)      =     19.73
corr(u_i, X)   = 0 (assumed)                    Prob > chi2       =    0.0014

------------------------------------------------------------------------------
pt_adl_dif~e |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      female |   -.550077   .3197761    -1.72   0.085    -1.176827    .0766727
      age_10 |  -.2517935    .096125    -2.62   0.009    -.4401951   -.0633919

     raceeth |
          2 |   .2304807   .5641729     0.41   0.683    -.8752779    1.336239
          3 |   .9026588    .356997     2.53   0.011     .2029575     1.60236
          4 |  -.8358015   .8367675    -1.00   0.318    -2.475836    .8042327

       _cons |  -.2287407    .625445    -0.37   0.715     -1.45459    .9971089
-------------+----------------------------------------------------------------
     sigma_u |          0
     sigma_e |  2.4634609
         rho |          0   (fraction of variance due to u_i)
------------------------------------------------------------------------------

128 . xtreg pt_adl_diff_score female age_10 age_10_2 i.raceeth, re

Random-effects GLS regression                   Number of obs     =       246
Group variable: site_num                        Number of groups  =        26

R-sq:                                           Obs per group:
     within  = 0.0724                                         min =         1
     between = 0.0627                                         avg =       9.5
     overall = 0.0766                                         max =        39

                                                Wald chi2(6)      =     19.82
corr(u_i, X)   = 0 (assumed)                    Prob > chi2       =    0.0030

------------------------------------------------------------------------------
pt_adl_dif~e |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      female |  -.5314297   .3237978    -1.64   0.101    -1.166062    .1032024
      age_10 |  -.0808234    .443304    -0.18   0.855    -.9496832    .7880365
    age_10_2 |  -.0164144   .0415442    -0.40   0.693    -.0978396    .0650108

     raceeth |
```

```
           2 |    .218827   .5659366     0.39   0.699    -.8903883    1.328042
           3 |    .8842628  .3606444     2.45   0.014     .1774129    1.591113
           4 |   -.8415623  .8383693    -1.00   0.315    -2.484736    .8016114

       _cons |   -.6239452  1.180279    -0.53   0.597    -2.937249    1.689358
-------------+----------------------------------------------------------------
     sigma_u |           0
     sigma_e |   2.4685931
         rho |           0   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
129 . xtreg pt_adl_diff_score female age_10 age_10_2 i.raceeth los_week dispo_home, re

Random-effects GLS regression                   Number of obs     =        245
Group variable: site_num                        Number of groups  =         26

R-sq:                                           Obs per group:
     within  = 0.0844                                         min =          1
     between = 0.0995                                         avg =        9.4
     overall = 0.0937                                         max =         39

                                                Wald chi2(8)      =      24.41
corr(u_i, X)   = 0 (assumed)                    Prob > chi2       =     0.0020

------------------------------------------------------------------------------
pt_adl_dif~e |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      female |   -.5594808   .3239853    -1.73   0.084     -1.19448    .0755187
      age_10 |    .0022904   .4542346     0.01   0.996     -.887993    .8925738
    age_10_2 |   -.0228477   .0431359    -0.53   0.596    -.1073926    .0616972

     raceeth |
           2 |    .1075091   .5763068     0.19   0.852    -1.022031     1.23705
           3 |    .8408154    .359976     2.34   0.020     .1352754    1.546355
           4 |    -.861596   .8366314    -1.03   0.303    -2.501363    .7781713

    los_week |   -.4946551   .2548951    -1.94   0.052    -.9942403    .0049302
  dispo_home |    .0682811   .4287177     0.16   0.873    -.7719902    .9085524
       _cons |   -.4559897   1.207442    -0.38   0.706    -2.822532    1.910552
-------------+----------------------------------------------------------------
     sigma_u |           0
     sigma_e |   2.4707193
         rho |           0   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
130 . xtreg pt_adl_diff_score female age_10 age_10_2 i.raceeth los_week dispo_home new_any, re

Random-effects GLS regression                   Number of obs     =        240
Group variable: site_num                        Number of groups  =         26

R-sq:                                           Obs per group:
     within  = 0.1007                                         min =          1
     between = 0.1665                                         avg =        9.2
     overall = 0.1131                                         max =         38

                                                Wald chi2(9)      =      29.34
corr(u_i, X)   = 0 (assumed)                    Prob > chi2       =     0.0006

------------------------------------------------------------------------------
pt_adl_dif~e |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      female |   -.3787038   .3274258    -1.16   0.247    -1.020447     .263039
      age_10 |    .0260282   .4509636     0.06   0.954    -.8578441    .9099006
    age_10_2 |   -.0291775   .0430009    -0.68   0.497    -.1134578    .0551028

     raceeth |
           2 |    -.075248   .5766548    -0.13   0.896    -1.205471    1.054975
           3 |    .5551259    .371394     1.49   0.135    -.1727929    1.283045
           4 |   -.9008162   .8265261    -1.09   0.276    -2.520778    .7191452

    los_week |    -.418049   .2605613    -1.60   0.109    -.9287398    .0926417
  dispo_home |    .0887778   .4342532     0.20   0.838    -.7623428    .9398984
    new_any |    -.742362   .3362146    -2.21   0.027     -1.40133   -.0833936
       _cons |   -.0661917   1.205648    -0.05   0.956    -2.429217    2.296834
-------------+----------------------------------------------------------------
     sigma_u |           0
```

```
     sigma_e |  2.4444003
         rho |           0   (fraction of variance due to u_i)
------------------------------------------------------------------------------

131 .
132 . xtlogit adl_any_new female age_10 i.raceeth, re or

    Fitting comparison model:

    Iteration 0:   log likelihood = -170.11562
    Iteration 1:   log likelihood = -149.85243
    Iteration 2:   log likelihood = -149.83677
    Iteration 3:   log likelihood = -149.83677

    Fitting full model:

    tau =  0.0     log likelihood = -149.83677
    tau =  0.1     log likelihood = -148.39428
    tau =  0.2     log likelihood = -147.67464
    tau =  0.3     log likelihood = -147.42473
    tau =  0.4     log likelihood = -147.55316

    Iteration 0:   log likelihood = -147.43282
    Iteration 1:   log likelihood = -146.93569
    Iteration 2:   log likelihood = -146.93397
    Iteration 3:   log likelihood = -146.93397

    Random-effects logistic regression              Number of obs     =        246
    Group variable: site_num                        Number of groups  =         26

    Random effects u_i ~ Gaussian                   Obs per group:
                                                                  min =          1
                                                                  avg =        9.5
                                                                  max =         39

    Integration method: mvaghermite                 Integration pts.  =         12

                                                    Wald chi2(5)      =      30.53
    Log likelihood  = -146.93397                    Prob > chi2       =     0.0000

------------------------------------------------------------------------------
 adl_any_new | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      female |   2.346615   .7332308     2.73   0.006     1.271958    4.329234
      age_10 |   1.342569   .1297371     3.05   0.002     1.110918    1.622524
             |
     raceeth |
          2  |   1.145111   .6502717     0.24   0.811     .3762511    3.485118
          3  |    .195822   .0747889    -4.27   0.000     .0926335    .4139565
          4  |   1.208471   .9078234     0.25   0.801     .2772041    5.268329
             |
       _cons |   .2515106      .1609    -2.16   0.031     .0717816    .8812503
-------------+----------------------------------------------------------------
    /lnsig2u |  -.4822482   .7505382                     -1.953276    .9887796
-------------+----------------------------------------------------------------
     sigma_u |   .7857441   .2948655                      .376575    1.639498
         rho |   .1580119   .0998547                     .0413235    .4496542
------------------------------------------------------------------------------
    Note: Estimates are transformed only in the first equation.
    Note: _cons estimates baseline odds (conditional on zero random effects).
    LR test of rho=0: chibar2(01) =  5.81                  Prob >= chibar2 = 0.008

133 . xtlogit adl_any_new female age_10 age_10_2 i.raceeth, re or

    Fitting comparison model:

    Iteration 0:   log likelihood = -170.11562
    Iteration 1:   log likelihood = -149.85148
    Iteration 2:   log likelihood = -149.83135
    Iteration 3:   log likelihood = -149.83134

    Fitting full model:

    tau =  0.0     log likelihood = -149.83134
    tau =  0.1     log likelihood = -148.39311
    tau =  0.2     log likelihood = -147.67465
```

```
tau =  0.3     log likelihood = -147.42514
tau =  0.4     log likelihood = -147.55438

Iteration 0:   log likelihood = -147.43298
Iteration 1:   log likelihood = -146.93538
Iteration 2:   log likelihood = -146.93368
Iteration 3:   log likelihood = -146.93368

Random-effects logistic regression              Number of obs     =        246
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.5
                                                              max =         39

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(6)      =      30.54
Log likelihood  = -146.93368                    Prob > chi2       =     0.0000
```

adl_any_new	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	2.348723	.7390357	2.71	0.007	1.267645	4.351771
age_10	1.357105	.6155419	0.67	0.501	.5578715	3.30136
age_10_2	.9989577	.0428501	-0.02	0.981	.9184066	1.086574
raceeth						
2	1.144372	.6506226	0.24	0.813	.3755125	3.487469
3	.1956714	.07499	-4.26	0.000	.0923228	.4147112
4	1.208782	.9083267	0.25	0.801	.2771539	5.27199
_cons	.2453032	.2972738	-1.16	0.246	.022812	2.637803
/lnsig2u	-.482324	.7506545			-1.95358	.9889319
sigma_u	.7857143	.2949			.3765178	1.639622
rho	.1580018	.099865			.0413114	.4496919

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 5.80                  Prob >= chibar2 = 0.008

134 . xtlogit adl_any_new female age_10 age_10_2 i.raceeth los_week dispo_home, re or

Fitting comparison model:

Iteration 0:   log likelihood = -169.36159
Iteration 1:   log likelihood = -144.73011
Iteration 2:   log likelihood = -144.60766
Iteration 3:   log likelihood = -144.60745
Iteration 4:   log likelihood = -144.60745

Fitting full model:

tau =  0.0     log likelihood = -144.60745
tau =  0.1     log likelihood = -143.22776
tau =  0.2     log likelihood = -142.60512
tau =  0.3     log likelihood = -142.46305
tau =  0.4     log likelihood = -142.69592

Iteration 0:   log likelihood = -142.47014
Iteration 1:   log likelihood = -142.09756
Iteration 2:   log likelihood = -142.09643
Iteration 3:   log likelihood = -142.09643

Random-effects logistic regression              Number of obs     =        245
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.4
                                                              max =         39

Integration method: mvaghermite                 Integration pts.  =         12
```

```
                                                Wald chi2(8)      =      34.92
Log likelihood  = -142.09643                    Prob > chi2       =     0.0000
```

adl_any_new	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	2.431317	.776957	2.78	0.005	1.29966	4.548345
age_10	1.106888	.5158641	0.22	0.828	.4440192	2.759341
age_10_2	1.018862	.0455347	0.42	0.676	.9334122	1.112133
raceeth						
2	1.237668	.7148363	0.37	0.712	.3990051	3.839106
3	.1994074	.0767852	-4.19	0.000	.09375	.4241417
4	1.309874	.9976463	0.35	0.723	.2943907	5.828204
los_week	2.066501	.5650479	2.65	0.008	1.209177	3.531682
dispo_home	1.28353	.5411233	0.59	0.554	.5617567	2.932675
_cons	.1728577	.2151921	-1.41	0.159	.0150668	1.983156
/lnsig2u	-.6866384	.7723767			-2.200469	.8271922
sigma_u	.7094117	.2739666			.332793	1.512246
rho	.1326779	.0888809			.032568	.410075

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 5.02                  Prob >= chibar2 = 0.013
```

```
135 . xtlogit adl_any_new female age_10 age_10_2 i.raceeth los_week dispo_home new_any, re or

Fitting comparison model:

Iteration 0:   log likelihood = -165.52102
Iteration 1:   log likelihood = -139.18761
Iteration 2:   log likelihood = -138.97394
Iteration 3:   log likelihood = -138.97328
Iteration 4:   log likelihood = -138.97328

Fitting full model:

tau =  0.0     log likelihood = -138.97328
tau =  0.1     log likelihood = -137.86945
tau =  0.2     log likelihood =    -137.38
tau =  0.3     log likelihood = -137.31676
tau =  0.4     log likelihood = -137.60797

Iteration 0:   log likelihood = -137.32252
Iteration 1:   log likelihood = -136.99338
Iteration 2:   log likelihood = -136.99187
Iteration 3:   log likelihood = -136.99187

Random-effects logistic regression              Number of obs     =        240
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.2
                                                              max =         38

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(9)      =      35.53
Log likelihood  = -136.99187                    Prob > chi2       =     0.0000
```

adl_any_new	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	2.026831	.6604861	2.17	0.030	1.070127	3.838837
age_10	1.138491	.5424245	0.27	0.785	.4474887	2.896526
age_10_2	1.020306	.0465436	0.44	0.659	.9330418	1.115733
raceeth						
2	1.462759	.8635064	0.64	0.519	.459923	4.652219
3	.2418227	.0953477	-3.60	0.000	.1116552	.5237394
4	1.341385	1.03758	0.38	0.704	.2945352	6.108995

los_week	1.955404	.5631962	2.33	0.020	1.111919	3.438745
dispo_home	1.307419	.5784574	0.61	0.545	.549297	3.111876
new_any	2.082535	.6739176	2.27	0.023	1.104434	3.926856
_cons	.0987055	.1293338	-1.77	0.077	.0075686	1.287272
/lnsig2u	-.7631929	.8222274			-2.374729	.8483432
sigma_u	.6827705	.2806963			.3050241	1.528324
rho	.1241135	.0893838			.0275029	.4152013

Note: Estimates are transformed only in the first equation.
Note: **_cons** estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = **3.96** Prob >= chibar2 = **0.023**

```
. 
. 
. tab dispo_home adl_any_new
```

dispo_home	adl_any_new 0	1	Total
Other Discharge	21	30	51
Home without Services	95	100	195
Total	116	130	246

```
. 
. gen adl_cat_trunc = pt_adl_diff_score_neg
(7 missing values generated)

. replace adl_cat_trunc = -1 if pt_adl_diff_score_neg<0 & !missing(pt_adl_diff_score_neg)
(9 real changes made)

. replace adl_cat_trunc = 7 if pt_adl_diff_score_neg>6 & !missing(pt_adl_diff_score_neg)
(11 real changes made)

. 
. label define adl_label -1 "Improve"  ///
>     7 "7+"

. 
.  label values adl_cat_trunc adl_label

. 
. catplot dispo_home adl_cat_trunc, ////
>    asyvars recast(bar) ///
>    legend(order(2 1) position(0) bplacement(neast)) ///
>    ytitle("Number of Patients") ///
>    aspect(1.6) ///
>    bar(1, bcolor(black))  bar(2, bcolor(maroon))  ///
>    title ("(a) All Respondents")

. 
. catplot dispo_home adl_cat_trunc if age<60, ////
>    asyvars recast(bar) ///
>    legend(order(2 1) position(0) bplacement(neast)) ///
>    ytitle("Number of Patients") ///
>    aspect(1.6) ///
>    bar(1, bcolor(black))  bar(2, bcolor(maroon))  ///
>    title ("(b) Age < 60")

. 
. catplot dispo_home adl_cat_trunc if age>=60, ////
>    asyvars recast(bar) ///
>    legend(order(2 1) position(0) bplacement(neast)) ///
>    ytitle("Number of Patients") ///
>    aspect(1.6) ///
>    bar(1, bcolor(black))  bar(2, bcolor(maroon))   ///
>    title ("(c) Age 60+")

. 
. gen stupid=1

. 
. catplot stupid adl_cat_trunc, ////
```

```
    >    asyvars recast(bar) ///
    >    legend(order(2 1) position(0) bplacement(neast)) ///
    >    ytitle("Number of Patients") ///
    >    aspect(1.6) ///
    >    bar(1, bcolor(black))  bar(2, bcolor(maroon))   ///
    >    title ("All Patients")

157 .
158 . /* self-reported degree of recovery recovery */
159 . /* FIGURE 3 */
160 .
161 . histogram pt_covidrec, bin(10) freq xtitle("Self-Reported Degree of Return to Pre-COVID Function")
    (bin=10, start=5, width=9.5)

162 . sum pt_covidrec, detail

                        pt_covidrec
-------------------------------------------------------------
      Percentiles      Smallest
 1%           25              5
 5%           40             10
10%           50             25       Obs                 250
25%           64             25       Sum of Wgt.         250

50%           80                      Mean              76.946
                        Largest       Std. Dev.       19.99634
75%           95            100
90%          100            100       Variance        399.8535
95%          100            100       Skewness       -.8699757
99%          100            100       Kurtosis        3.261885

163 . tab pt_covidrec

pt_covidrec |      Freq.     Percent        Cum.
------------+-----------------------------------
          5 |          1        0.40        0.40
         10 |          1        0.40        0.80
         25 |          2        0.80        1.60
         30 |          2        0.80        2.40
         33 |          1        0.40        2.80
         35 |          2        0.80        3.60
         40 |          9        3.60        7.20
         45 |          2        0.80        8.00
         48 |          2        0.80        8.80
         50 |         20        8.00       16.80
         55 |          1        0.40       17.20
         60 |         19        7.60       24.80
         64 |          1        0.40       25.20
         65 |          3        1.20       26.40
         70 |         17        6.80       33.20
         75 |         21        8.40       41.60
         78 |          1        0.40       42.00
         80 |         38       15.20       57.20
         85 |         11        4.40       61.60
         88 |          1        0.40       62.00
         89 |          2        0.80       62.80
         90 |         25       10.00       72.80
         93 |          1        0.40       73.20
         95 |         21        8.40       81.60
         98 |          5        2.00       83.60
         99 |          3        1.20       84.80
       99.5 |          1        0.40       85.20
        100 |         37       14.80      100.00
------------+-----------------------------------
      Total |        250      100.00

164 .
165 . gen notback=(pt_covidrec<100) if !missing(pt_covidrec)
    (3 missing values generated)

166 . gen notback50=(pt_covidrec<=50) if !missing(pt_covidrec)
    (3 missing values generated)

167 . tab notback

    notback |      Freq.     Percent        Cum.
```

0	37	14.80	14.80
1	213	85.20	100.00
Total	250	100.00	

```
168 .
169 . ci proportions notback
```

Variable	Obs	Proportion	Std. Err.	Binomial Exact [95% Conf.	Interval]
notback	250	.852	.0224585	.801818	.8936048

```
170 . ci proportions notback50
```

Variable	Obs	Proportion	Std. Err.	Binomial Exact [95% Conf.	Interval]
notback50	250	.168	.0236454	.1238429	.2202254

```
171 .
172 . xtreg pt_covidrec female age_10 i.raceeth, re
```

Random-effects GLS regression — Number of obs = 250
Group variable: site_num — Number of groups = 26

R-sq:
within = 0.0967
between = 0.0886
overall = 0.0856

Obs per group:
min = 1
avg = 9.6
max = 39

Wald chi2(5) = 22.85
corr(u_i, X) = 0 (assumed) — Prob > chi2 = 0.0004

pt_covidrec	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	-6.517474	2.474967	-2.63	0.008	-11.36832	-1.666628
age_10	-2.370933	.7402825	-3.20	0.001	-3.82186	-.9200061
raceeth						
2	2.24689	4.404943	0.51	0.610	-6.386639	10.88042
3	5.142235	2.762442	1.86	0.063	-.2720519	10.55652
4	-2.462458	6.27514	-0.39	0.695	-14.76151	9.836591
_cons	91.44806	4.858855	18.82	0.000	81.92488	100.9712
sigma_u	0					
sigma_e	19.539517					
rho	0	(fraction of variance due to u_i)				

```
173 . xtreg pt_covidrec female age_10 age_10_2 i.raceeth, re
```

Random-effects GLS regression — Number of obs = 250
Group variable: site_num — Number of groups = 26

R-sq:
within = 0.1064
between = 0.0565
overall = 0.0944

Obs per group:
min = 1
avg = 9.6
max = 39

Wald chi2(6) = 25.32
corr(u_i, X) = 0 (assumed) — Prob > chi2 = 0.0003

pt_covidrec	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	-7.032541	2.490924	-2.82	0.005	-11.91466	-2.15042
age_10	-7.454508	3.397846	-2.19	0.028	-14.11416	-.7948531
age_10_2	.4848944	.3163597	1.53	0.125	-.1351593	1.104948
raceeth						
2	2.613137	4.399308	0.59	0.553	-6.009349	11.23562
3	5.670064	2.776276	2.04	0.041	.2286624	11.11147

4	-2.418522	6.257927	-0.39	0.699	-14.68383	9.84679
_cons	103.2581	9.10214	11.34	0.000	85.41821	121.0979
sigma_u	0					
sigma_e	19.482388					
rho	0	(fraction of variance due to u_i)				

174 . xtreg pt_covidrec female age_10 age_10_2 i.raceeth los_week dispo_home, re

Random-effects GLS regression — Number of obs = 249
Group variable: site_num — Number of groups = 26

R-sq: — Obs per group:
within = 0.1676 — min = 1
between = 0.3208 — avg = 9.6
overall = 0.1622 — max = 39

Wald chi2(8) = 46.47
corr(u_i, X) = 0 (assumed) — Prob > chi2 = 0.0000

pt_covidrec	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	-7.695383	2.418766	-3.18	0.001	-12.43608	-2.954688
age_10	-6.716492	3.380529	-1.99	0.047	-13.34221	-.0907779
age_10_2	.4615098	.3193654	1.45	0.148	-.1644349	1.087454
raceeth						
2	2.692829	4.351708	0.62	0.536	-5.836361	11.22202
3	5.156269	2.693191	1.91	0.056	-.1222884	10.43483
4	-2.505817	6.064709	-0.41	0.679	-14.39243	9.380793
los_week	-7.521821	1.894298	-3.97	0.000	-11.23458	-3.809066
dispo_home	2.465804	3.172823	0.78	0.437	-3.752815	8.684423
_cons	105.1676	9.04844	11.62	0.000	87.43297	122.9022
sigma_u	0					
sigma_e	18.813623					
rho	0	(fraction of variance due to u_i)				

175 . xtreg pt_covidrec female age_10 age_10_2 i.raceeth los_week dispo_home new_any, re

Random-effects GLS regression — Number of obs = 242
Group variable: site_num — Number of groups = 26

R-sq: — Obs per group:
within = 0.2421 — min = 1
between = 0.3441 — avg = 9.3
overall = 0.2330 — max = 38

Wald chi2(9) = 70.47
corr(u_i, X) = 0 (assumed) — Prob > chi2 = 0.0000

pt_covidrec	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	-5.551462	2.398984	-2.31	0.021	-10.25338	-.8495399
age_10	-6.447261	3.321327	-1.94	0.052	-12.95694	.0624202
age_10_2	.4034064	.31629	1.28	0.202	-.2165106	1.023323
raceeth						
2	-.3025334	4.251605	-0.07	0.943	-8.635526	8.030459
3	2.441093	2.704499	0.90	0.367	-2.859627	7.741814
4	-3.385967	5.857975	-0.58	0.563	-14.86739	8.095453
los_week	-5.902168	1.905303	-3.10	0.002	-9.636494	-2.167843
dispo_home	2.448625	3.149379	0.78	0.437	-3.724045	8.621294
new_any	-11.63372	2.456677	-4.74	0.000	-16.44872	-6.818724
_cons	110.9518	8.874904	12.50	0.000	93.5573	128.3463
sigma_u	0					
sigma_e	18.149516					
rho	0	(fraction of variance due to u_i)				

```
-------------+------------------------------------------------------------

176 . reg pt_covidrec new_complaints

      Source |       SS           df       MS      Number of obs   =       243
-------------+----------------------------------   F(1, 241)       =     58.95
       Model |  19192.0366         1  19192.0366   Prob > F        =    0.0000
    Residual |  78458.9161       241  325.555668   R-squared       =    0.1965
-------------+----------------------------------   Adj R-squared   =    0.1932
       Total |  97650.9527       242  403.516333   Root MSE        =    18.043

------------------------------------------------------------------------------
  pt_covidrec |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
new_complai~s |  -3.784938   .4929591    -7.68   0.000    -4.755997    -2.81388
        _cons |   83.58477   1.443286    57.91   0.000     80.7417    86.42783
------------------------------------------------------------------------------

177 . spearman pt_covidrec new_complaints pt_adl_diff_score
(obs=238)

             | pt_cov~c new_co~s pt_adl..
-------------+---------------------------
 pt_covidrec |   1.0000
new_compla~s |  -0.4615   1.0000
pt_adl_dif~e |   0.3917  -0.2992   1.0000

178 .
179 .  /* interactions of disability, cardiopulmonary symptoms, recovery */
180 .  gen new_card_dis=.
(253 missing values generated)

181 .  replace new_card_dis=1 if adl_any_new==0 & new_any==0
(62 real changes made)

182 .  replace new_card_dis=2 if adl_any_new==1 & new_any==0
(44 real changes made)

183 .  replace new_card_dis=3 if adl_any_new==0 & new_any==1
(49 real changes made)

184 .  replace new_card_dis=4 if adl_any_new==1 & new_any==1
(86 real changes made)

185 .
186 .  tab new_card_dis, m

new_card_di |
          s |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |         62       24.51       24.51
          2 |         44       17.39       41.90
          3 |         49       19.37       61.26
          4 |         86       33.99       95.26
          . |         12        4.74      100.00
------------+-----------------------------------
      Total |        253      100.00

187 .
188 .  label define card_adl_lab 1 "No New Symptoms, No New Disability (n=62)"  ///
>     2 "New Symptoms, No New Disability (n=44)" ///
>         3 "No New Symptoms, New Disability (n=49)" ///
>         4 "New Symptoms, New Disability (n=86)"

189 .
190 . label values new_card_dis card_adl_lab

191 .
192 .  gen recovery_cat = floor(pt_covidrec/10)*10
(3 missing values generated)

193 .
194 . label define recovery_cat_lab 0 "1-9" 10 "10-19" 20 "20-29" 30 "30-39" 40 "40-49" ///
>     50 "50-59" 60 "60-69" 70 "70-79" 80 "80-89" 90 "90-99" 100 "100"

195 .
```

```
196 .  label values recovery_cat recovery_cat_lab

197 .
198 .  catplot new_card_dis recovery_cat, ////
    >    asyvars stack recast(bar) ///
    >    legend(order(4 3 2 1) position(0) bplacement(nwest)) ///
    >    ytitle("Number of Patients") ///
    >    bar(1, bcolor(dkgreen))  bar(2, bcolor(red)) bar(3, bcolor(blue)) ///
    >    bar(4, bcolor(purple))

199 .
200 .    /* have to manually expand legend */
201 .
202 .
203 . /* Financial toxicity Paragraph */
204 .
205 . foreach var of varlist ft_savings ft_necessities ft_collection ft_bankruptcy ///
    >     ft_medcare ft_meds ft_job ft_work ft_timeoff ft_rehab ft_equipment {
  2.         gen fin_`var' = (`var'==1) if !missing(`var') & `var'!=8
  3.         replace fin_`var'=0 if `var'==3
  4. }
(3 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(3 missing values generated)
(0 real changes made)
(4 missing values generated)
(0 real changes made)
(5 missing values generated)
(0 real changes made)
(5 missing values generated)
(0 real changes made)
(6 missing values generated)
(0 real changes made)
(7 missing values generated)
(0 real changes made)
(6 missing values generated)
(0 real changes made)
(6 missing values generated)
(0 real changes made)

206 .
207 . tab ft_resources, m

ft_resource |
          s |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |         94       37.15       37.15
          2 |         62       24.51       61.66
          3 |         38       15.02       76.68
          4 |          7        2.77       79.45
          5 |          8        3.16       82.61
          . |         44       17.39      100.00
------------+-----------------------------------
      Total |        253      100.00

208 . tab ft_resources

ft_resource |
          s |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |         94       44.98       44.98
          2 |         62       29.67       74.64
          3 |         38       18.18       92.82
          4 |          7        3.35       96.17
          5 |          8        3.83      100.00
------------+-----------------------------------
      Total |        209      100.00

209 . gen ft_drain = ft_resources>1 if !missing(ft_resources)
(44 missing values generated)

210 . gen ft_drain_mod_plus = ft_resources>2 if !missing(ft_resources)
```

```
(44 missing values generated)

. 
. ci proportions ft_drain ft_drain_mod_plus
```

Variable	Obs	Proportion	Std. Err.	Binomial Exact [95% Conf.	Interval]
ft_drain	209	.5502392	.0344107	.4801003	.6189327
ft_drain_m~s	209	.2535885	.0300941	.1960945	.3182155

```
. 
. sum fin_ft_savings fin_ft_necessities fin_ft_collection fin_ft_bankruptcy ///
>     fin_ft_job fin_ft_work fin_ft_timeoff ///
>     fin_ft_medcare fin_ft_meds fin_ft_rehab fin_ft_equipment
```

Variable	Obs	Mean	Std. Dev.	Min	Max
fin_ft_sav~s	250	.232	.4229557	0	1
fin_ft_nec~s	250	.18	.3849581	0	1
fin_ft_col~n	250	.084	.2779443	0	1
fin_ft_ban~y	250	.008	.0892629	0	1
fin_ft_job	248	.0685484	.2531956	0	1
fin_ft_work	247	.1619433	.3691468	0	1
fin_ft_tim~f	246	.3780488	.4858885	0	1
fin_ft_med~e	249	.0682731	.2527219	0	1
fin_ft_meds	248	.0766129	.2665141	0	1
fin_ft_rehab	247	.0283401	.1662795	0	1
fin_ft_equ~t	247	.0526316	.2237503	0	1

```
. 
. gen fin_job_change = (ft_job==1) | (ft_work==1) if !missing(ft_job) & !missing(ft_work)
(6 missing values generated)

. tab fin_job_change, m
```

fin_job_change	Freq.	Percent	Cum.
0	198	78.26	78.26
1	49	19.37	97.63
.	6	2.37	100.00
Total	253	100.00	

```
. tab fin_job_change
```

fin_job_change	Freq.	Percent	Cum.
0	198	80.16	80.16
1	49	19.84	100.00
Total	247	100.00	

```
. 
. tab fin_ft_timeoff
```

fin_ft_timeoff	Freq.	Percent	Cum.
0	153	62.20	62.20
1	93	37.80	100.00
Total	246	100.00	

```
. 
. ci proportions fin_job_change fin_ft_timeoff fin_ft_savings
```

Variable	Obs	Proportion	Std. Err.	Binomial Exact [95% Conf.	Interval]
fin_job_ch~e	247	.1983806	.0253738	.1505156	.2536425
fin_ft_tim~f	246	.3780488	.0309161	.3172214	.4418534

```
    fin_ft_sav~s |        250        .232    .0266965        .1811346    .2893403

223 .
224 . xtlogit fin_job_change female age_10 i.raceeth, re or

    Fitting comparison model:

    Iteration 0:   log likelihood = -123.04285
    Iteration 1:   log likelihood =  -121.2389
    Iteration 2:   log likelihood = -121.17745
    Iteration 3:   log likelihood = -121.17742
    Iteration 4:   log likelihood = -121.17742

    Fitting full model:

    tau =  0.0     log likelihood = -121.17742
    tau =  0.1     log likelihood = -121.64474

    Iteration 0:   log likelihood = -121.64474
    Iteration 1:   log likelihood = -121.20959
    Iteration 2:   log likelihood = -121.17912
    Iteration 3:   log likelihood = -121.17756
    Iteration 4:   log likelihood = -121.17745
    Iteration 5:   log likelihood = -121.17744
    Iteration 6:   log likelihood = -121.17744

    Random-effects logistic regression              Number of obs     =        247
    Group variable: site_num                        Number of groups  =         26

    Random effects u_i ~ Gaussian                   Obs per group:
                                                                  min =          1
                                                                  avg =        9.5
                                                                  max =         39

    Integration method: mvaghermite                 Integration pts.  =         12

                                                    Wald chi2(5)      =       3.79
    Log likelihood  = -121.17744                    Prob > chi2       =     0.5803

------------------------------------------------------------------------------
fin_job_cha~e | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
       female |    .647655   .2155264    -1.31   0.192     .3373504    1.243387
       age_10 |    .982503   .0963311    -0.18   0.857     .8107304     1.19067
              |
      raceeth |
           2  |     1.23285   .6928043     0.37   0.710     .4098025    3.708907
           3  |    1.165932   .4281548     0.42   0.676     .5676676    2.394707
           4  |    2.669545   1.877595     1.40   0.163     .6725953    10.59548
              |
        _cons |    .2887671   .1841335    -1.95   0.051     .0827514    1.007674
--------------+---------------------------------------------------------------
     /lnsig2u |   -12.44779   47.10456                     -104.771    79.87546
--------------+---------------------------------------------------------------
      sigma_u |    .0019815   .0466692                     1.78e-23    2.21e+17
          rho |    1.19e-06   .0000562                     9.58e-47           1
------------------------------------------------------------------------------
    Note: Estimates are transformed only in the first equation.
    Note: _cons estimates baseline odds (conditional on zero random effects).
    LR test of rho=0: chibar2(01) =  3.2e-05                Prob >= chibar2 = 0.498

225 . xtlogit fin_job_change female age_10 age_10_2 i.raceeth, re or

    Fitting comparison model:

    Iteration 0:   log likelihood = -123.04285
    Iteration 1:   log likelihood = -119.35536
    Iteration 2:   log likelihood = -119.10649
    Iteration 3:   log likelihood =   -119.106
    Iteration 4:   log likelihood =   -119.106

    Fitting full model:

    tau =  0.0     log likelihood =   -119.106
    tau =  0.1     log likelihood = -119.53529
```

```
Iteration 0:   log likelihood = -119.53529
Iteration 1:   log likelihood = -119.14938
Iteration 2:   log likelihood = -119.11556
Iteration 3:   log likelihood = -119.10776
Iteration 4:   log likelihood = -119.10641
Iteration 5:   log likelihood = -119.10609
Iteration 6:   log likelihood = -119.10602
Iteration 7:   log likelihood = -119.10601

Random-effects logistic regression              Number of obs     =        247
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.5
                                                              max =         39

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(6)      =       6.76
Log likelihood  = -119.10601                    Prob > chi2       =     0.3435
```

fin_job_cha~e	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	.7195692	.2443317	-0.97	0.332	.3698663	1.399911
age_10	3.00236	1.907172	1.73	0.084	.8644879	10.42718
age_10_2	.8991464	.0529391	-1.81	0.071	.8011506	1.009129
raceeth						
2	1.176992	.6665337	0.29	0.774	.3879141	3.571176
3	1.072992	.3972654	0.19	0.849	.5193339	2.216899
4	2.793304	1.998417	1.44	0.151	.6872933	11.35257
_cons	.0201649	.0343211	-2.29	0.022	.0007175	.5667081
/lnsig2u	-12.64706	36.49758			-84.18101	58.88688
sigma_u	.0017936	.032731			5.25e-19	6.13e+12
rho	9.78e-07	.0000357			8.38e-38	1

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 2.5e-05                 Prob >= chibar2 = 0.498

226 . xtlogit fin_job_change female age_10 age_10_2 i.raceeth los_week dispo_home, re or

Fitting comparison model:

Iteration 0:   log likelihood = -122.82123
Iteration 1:   log likelihood = -116.53558
Iteration 2:   log likelihood = -116.16649
Iteration 3:   log likelihood = -116.16519
Iteration 4:   log likelihood = -116.16519

Fitting full model:

tau =  0.0     log likelihood = -116.16519
tau =  0.1     log likelihood = -116.54513

Iteration 0:   log likelihood = -116.54513
Iteration 1:   log likelihood = -116.20608
Iteration 2:   log likelihood = -116.17406
Iteration 3:   log likelihood = -116.16678
Iteration 4:   log likelihood = -116.16556
Iteration 5:   log likelihood = -116.16527
Iteration 6:   log likelihood =  -116.1652
Iteration 7:   log likelihood =  -116.1652

Random-effects logistic regression              Number of obs     =        246
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.5
                                                              max =         39
```

```
Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(8)      =      11.93
Log likelihood  =  -116.1652                    Prob > chi2       =     0.1541

------------------------------------------------------------------------------
fin_job_cha~e | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
       female |   .7195188   .2478072    -0.96   0.339     .3663385    1.413194
       age_10 |   3.018514   1.936614     1.72   0.085     .8583817    10.61466
     age_10_2 |   .8950945   .0535948    -1.85   0.064     .7959802     1.00655
              |
      raceeth |
           2  |    1.30751   .7550558     0.46   0.642     .4215961    4.055025
           3  |   1.150753   .4342136     0.37   0.710     .5492856    2.410827
           4  |   2.927353    2.11342     1.49   0.137     .7111236     12.0505
              |
     los_week |   1.506324   .3624688     1.70   0.089     .9399241    2.414039
   dispo_home |   .6275808   .2667613    -1.10   0.273      .272807    1.443723
        _cons |   .0214402   .0365671    -2.25   0.024     .0007576    .6067199
--------------+---------------------------------------------------------------
     /lnsig2u |  -12.58794   36.51861                     -84.16311    58.98722
--------------+---------------------------------------------------------------
      sigma_u |   .0018474   .0337324                     5.30e-19    6.44e+12
          rho |   1.04e-06   .0000379                     8.54e-38           1
------------------------------------------------------------------------------
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 2.3e-05                 Prob >= chibar2 = 0.498

227 . xtlogit fin_job_change female age_10 age_10_2 i.raceeth los_week dispo_home new_any, re or

Fitting comparison model:

Iteration 0:   log likelihood = -122.59859
Iteration 1:   log likelihood =  -115.7998
Iteration 2:   log likelihood = -115.42882
Iteration 3:   log likelihood =  -115.4272
Iteration 4:   log likelihood =  -115.4272

Fitting full model:

tau =  0.0     log likelihood =  -115.4272
tau =  0.1     log likelihood = -115.82622

Iteration 0:   log likelihood = -115.82622
Iteration 1:   log likelihood = -115.46634
Iteration 2:   log likelihood = -115.43606
Iteration 3:   log likelihood = -115.42923
Iteration 4:   log likelihood = -115.42768
Iteration 5:   log likelihood =  -115.4273
Iteration 6:   log likelihood = -115.42723
Iteration 7:   log likelihood = -115.42722

Random-effects logistic regression              Number of obs     =        245
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.4
                                                              max =         39

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(9)      =      12.99
Log likelihood  = -115.42722                    Prob > chi2       =     0.1631

------------------------------------------------------------------------------
fin_job_cha~e | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
       female |   .7749973   .2717874    -0.73   0.467      .389752    1.541033
       age_10 |   2.915345   1.881787     1.66   0.097     .8227338    10.33048
     age_10_2 |   .8977431   .0540796    -1.79   0.073     .7977671    1.010248
              |
      raceeth |
```

2	1.179924	.6929913	0.28	0.778	.3731882	3.730615
3	1.059129	.4080796	0.15	0.881	.4977174	2.253795
4	2.858839	2.070641	1.45	0.147	.6913041	11.82252
los_week	1.590968	.3920006	1.88	0.059	.981596	2.578636
dispo_home	.6233752	.2652792	-1.11	0.267	.2707186	1.435426
new_any	.6706106	.2351278	-1.14	0.254	.3373061	1.333265
_cons	.0283049	.0486644	-2.07	0.038	.0009736	.8228556
/lnsig2u	-12.65176	36.70733			-84.5968	59.29328
sigma_u	.0017894	.0328418			4.27e-19	7.51e+12
rho	9.73e-07	.0000357			5.53e-38	1

Note: Estimates are transformed only in the first equation.
Note: **_cons** estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = **2.6e-05** Prob >= chibar2 = **0.498**

```
228 .
229 . xtlogit fin_ft_timeoff female age_10 i.raceeth, re or
```

Fitting comparison model:

Iteration 0: log likelihood = **-163.1228**
Iteration 1: log likelihood = **-158.80301**
Iteration 2: log likelihood = **-158.79371**
Iteration 3: log likelihood = **-158.79371**

Fitting full model:

tau = **0.0** log likelihood = **-158.79371**
tau = **0.1** log likelihood = **-158.70553**
tau = **0.2** log likelihood = **-159.31606**

Iteration 0: log likelihood = **-158.70553**
Iteration 1: log likelihood = **-158.58781**
Iteration 2: log likelihood = **-158.58274**
Iteration 3: log likelihood = **-158.58271**
Iteration 4: log likelihood = **-158.58271**

Random-effects logistic regression — Number of obs = **246**
Group variable: **site_num** — Number of groups = **26**

Random effects u_i ~ **Gaussian** — Obs per group:
min = **1**
avg = **9.5**
max = **38**

Integration method: **mvaghermite** — Integration pts. = **12**

Wald chi2(**5**) = **7.31**
Log likelihood = **-158.58271** — Prob > chi2 = **0.1983**

fin_ft_time~f	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	1.087344	.2973777	0.31	0.759	.6361681	1.858498
age_10	.8599377	.0703684	-1.84	0.065	.7325099	1.009533
raceeth						
2	1.480046	.7063598	0.82	0.411	.5808111	3.771513
3	1.459061	.4538567	1.21	0.225	.793045	2.68441
4	1.788366	1.197445	0.87	0.385	.4814075	6.643544
_cons	1.091144	.5819656	0.16	0.870	.3836104	3.103655
/lnsig2u	-2.789247	1.876493			-6.467106	.888612
sigma_u	.2479264	.2326161			.0394172	1.559408
rho	.0183412	.0337859			.0004721	.4250111

Note: Estimates are transformed only in the first equation.
Note: **_cons** estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = **0.42** Prob >= chibar2 = **0.258**

```
230 . xtlogit fin_ft_timeoff female age_10 age_10_2 i.raceeth, re or
```

```
Fitting comparison model:

Iteration 0:   log likelihood =  -163.1228
Iteration 1:   log likelihood = -158.35449
Iteration 2:   log likelihood = -158.32058
Iteration 3:   log likelihood = -158.32057

Fitting full model:

tau =  0.0     log likelihood = -158.32057
tau =  0.1     log likelihood = -158.23089
tau =  0.2     log likelihood = -158.84275

Iteration 0:   log likelihood = -158.23089
Iteration 1:   log likelihood = -158.11147
Iteration 2:   log likelihood =  -158.1064
Iteration 3:   log likelihood = -158.10638
Iteration 4:   log likelihood = -158.10638

Random-effects logistic regression              Number of obs     =        246
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.5
                                                              max =         38

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(6)      =       7.98
Log likelihood  = -158.10638                    Prob > chi2       =     0.2398

------------------------------------------------------------------------------
fin_ft_time~f | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
       female |   1.124221   .3106531     0.42   0.672     .6540962    1.932245
       age_10 |   1.241324   .4875069     0.55   0.582     .5748992    2.680271
     age_10_2 |   .9647817   .0361895    -0.96   0.339     .8963962    1.038384
              |
      raceeth |
           2  |   1.435654   .6877554     0.75   0.450     .5614079     3.67131
           3  |   1.401495   .4398552     1.08   0.282      .757608    2.592619
           4  |   1.765832   1.180694     0.85   0.395     .4762202    6.547731
              |
        _cons |   .4766573   .4884754    -0.72   0.470     .0639588    3.552321
--------------+---------------------------------------------------------------
     /lnsig2u |  -2.781211   1.863956                     -6.434497    .8720754
--------------+---------------------------------------------------------------
      sigma_u |   .2489246   .2319922                      .0400652    1.546567
          rho |   .0184864   .0338209                      .0004877     .420975
------------------------------------------------------------------------------
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) =  0.43                  Prob >= chibar2 = 0.256

231 . xtlogit fin_ft_timeoff female age_10 age_10_2 i.raceeth los_week dispo_home, re or

Fitting comparison model:

Iteration 0:   log likelihood = -162.14671
Iteration 1:   log likelihood = -156.65196
Iteration 2:   log likelihood = -156.60585
Iteration 3:   log likelihood = -156.60582
Iteration 4:   log likelihood = -156.60582

Fitting full model:

tau =  0.0     log likelihood = -156.60582
tau =  0.1     log likelihood = -156.51388
tau =  0.2     log likelihood = -157.08903

Iteration 0:   log likelihood = -156.51388
Iteration 1:   log likelihood = -156.39862
Iteration 2:   log likelihood = -156.39425
Iteration 3:   log likelihood = -156.39423
```

```
Random-effects logistic regression              Number of obs     =        245
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.4
                                                              max =         38

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(8)      =       9.11
Log likelihood  = -156.39423                    Prob > chi2       =     0.3334
```

fin_ft_time~f	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	1.165707	.3247103	0.55	0.582	.6752818	2.012303
age_10	1.243481	.5079427	0.53	0.594	.558389	2.76912
age_10_2	.9622462	.038119	-0.97	0.331	.8903612	1.039935
raceeth						
2	1.256606	.6200485	0.46	0.643	.4777383	3.305282
3	1.406714	.4465418	1.08	0.282	.7550983	2.620643
4	1.729516	1.162668	0.81	0.415	.4631312	6.458702
los_week	1.201091	.2657419	0.83	0.408	.7784794	1.853124
dispo_home	.9177789	.3525993	-0.22	0.823	.432232	1.948763
_cons	.4602332	.4839792	-0.74	0.461	.0585947	3.614912
/lnsig2u	-2.739216	1.883742			-6.431283	.9528514
sigma_u	.2542066	.2394299			.0401296	1.610308
rho	.019264	.0355894			.0004893	.4407802

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 0.42                  Prob >= chibar2 = 0.258

232 . xtlogit fin_ft_timeoff female age_10 age_10_2 i.raceeth los_week dispo_home new_any, re or

Fitting comparison model:

Iteration 0:   log likelihood = -161.67466
Iteration 1:   log likelihood = -155.90856
Iteration 2:   log likelihood = -155.85869
Iteration 3:   log likelihood = -155.85866
Iteration 4:   log likelihood = -155.85866

Fitting full model:

tau =  0.0     log likelihood = -155.85866
tau =  0.1     log likelihood = -155.77551
tau =  0.2     log likelihood = -156.37256

Iteration 0:   log likelihood = -155.77551
Iteration 1:   log likelihood = -155.65208
Iteration 2:   log likelihood = -155.64729
Iteration 3:   log likelihood = -155.64728
Iteration 4:   log likelihood = -155.64728

Random-effects logistic regression              Number of obs     =        244
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.4
                                                              max =         38

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(9)      =       9.68
Log likelihood  = -155.64728                    Prob > chi2       =     0.3772
```

fin_ft_time~f	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]

female	1.112978	.3154682	0.38	0.706	.638583	1.939793
age_10	1.199959	.4958857	0.44	0.659	.5338327	2.697288
age_10_2	.9665743	.0388799	-0.85	0.398	.8932974	1.045862
raceeth						
2	1.362032	.6812694	0.62	0.537	.5110088	3.630333
3	1.502054	.4868316	1.26	0.209	.7957962	2.835104
4	1.774466	1.196325	0.85	0.395	.4733666	6.651781
los_week	1.171497	.2627777	0.71	0.480	.7547601	1.818334
dispo_home	.9230532	.3541611	-0.21	0.835	.435145	1.95803
new_any	1.355776	.3968163	1.04	0.298	.7639298	2.406149
_cons	.409162	.4380996	-0.83	0.404	.0501757	3.336547
/lnsig2u	-2.75171	1.879235			-6.434942	.9315222
sigma_u	.2526235	.2373694			.0400562	1.593226
rho	.0190294	.0350802			.0004875	.4355296

Note: Estimates are transformed only in the first equation.
Note: **_cons** estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = **0.42** Prob >= chibar2 = **0.258**

```
233 .
234 . xtlogit fin_ft_savings female age_10 i.raceeth, re or

Fitting comparison model:

Iteration 0:   log likelihood = -135.42042
Iteration 1:   log likelihood = -127.77851
Iteration 2:   log likelihood = -127.55105
Iteration 3:   log likelihood = -127.55087
Iteration 4:   log likelihood = -127.55087

Fitting full model:

tau =  0.0     log likelihood = -127.55087
tau =  0.1     log likelihood = -128.52164

Iteration 0:   log likelihood = -128.52164
Iteration 1:   log likelihood = -127.56854
Iteration 2:   log likelihood = -127.55233
Iteration 3:   log likelihood = -127.55088
Iteration 4:   log likelihood = -127.55087
Iteration 5:   log likelihood = -127.55087

Random-effects logistic regression              Number of obs     =        250
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.6
                                                              max =         40

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(5)      =      14.71
Log likelihood  = -127.55087                    Prob > chi2       =     0.0117
```

fin_ft_savi~s	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	.8518166	.2681227	-0.51	0.610	.4596392	1.578611
age_10	.8973953	.0832161	-1.17	0.243	.7482578	1.076258
raceeth						
2	2.963161	1.509374	2.13	0.033	1.091869	8.041555
3	2.684386	.9367165	2.83	0.005	1.354622	5.319511
4	4.147498	2.828851	2.09	0.037	1.089467	15.78914
_cons	.3340959	.2020581	-1.81	0.070	.102111	1.093125
/lnsig2u	-15.52604	36.58839			-87.23796	56.18589
sigma_u	.0004252	.0077782			1.14e-19	1.59e+12

```
         rho |   5.49e-08   2.01e-06                      3.94e-39           1
------------------------------------------------------------------------------

Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) =  0.00                  Prob >= chibar2 = 1.000

235 . xtlogit fin_ft_savings female age_10 age_10_2 i.raceeth, re or

Fitting comparison model:

Iteration 0:   log likelihood = -135.42042
Iteration 1:   log likelihood =  -123.9398
Iteration 2:   log likelihood = -122.60551
Iteration 3:   log likelihood = -122.58758
Iteration 4:   log likelihood = -122.58757

Fitting full model:

tau =  0.0     log likelihood = -122.58757
tau =  0.1     log likelihood = -123.50309

Iteration 0:   log likelihood = -123.50309
Iteration 1:   log likelihood = -122.59915
Iteration 2:   log likelihood = -122.58899
Iteration 3:   log likelihood = -122.58786
Iteration 4:   log likelihood = -122.58764
Iteration 5:   log likelihood = -122.58759
Iteration 6:   log likelihood = -122.58758

Random-effects logistic regression              Number of obs     =        250
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.6
                                                              max =         40

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(6)      =      19.07
Log likelihood  = -122.58758                    Prob > chi2       =     0.0040

------------------------------------------------------------------------------
fin_ft_savi~s | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
       female |   1.026522   .3351174     0.08   0.936     .5413596    1.946483
       age_10 |   5.890773   4.157589     2.51   0.012     1.477105    23.49272
     age_10_2 |   .8320766   .0566225    -2.70   0.007     .7281811    .9507957
              |
      raceeth |
            2 |   2.839546   1.480422     2.00   0.045     1.022039    7.889153
            3 |   2.489493   .8828508     2.57   0.010     1.242364    4.988536
            4 |   4.465792   3.133219     2.13   0.033     1.128994    17.66466
              |
        _cons |   .0041107   .0074623    -3.03   0.002     .0001171    .1442591
--------------+---------------------------------------------------------------
     /lnsig2u |  -13.94985   36.42375                     -85.33909     57.4394
--------------+---------------------------------------------------------------
      sigma_u |    .000935   .0170288                     2.94e-19    2.97e+12
          rho |   2.66e-07   9.68e-06                     2.63e-38           1
------------------------------------------------------------------------------

Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) =  1.9e-05               Prob >= chibar2 = 0.498

236 . xtlogit fin_ft_savings female age_10 age_10_2 i.raceeth los_week dispo_home, re or

Fitting comparison model:

Iteration 0:   log likelihood = -135.15585
Iteration 1:   log likelihood = -123.56853
Iteration 2:   log likelihood =  -122.2139
Iteration 3:   log likelihood = -122.19502
Iteration 4:   log likelihood =   -122.195
Iteration 5:   log likelihood =   -122.195
```

```
Fitting full model:

tau =  0.0     log likelihood =   -122.195
tau =  0.1     log likelihood = -123.16505

Iteration 0:   log likelihood = -123.16505
Iteration 1:   log likelihood = -122.20655
Iteration 2:   log likelihood = -122.19638
Iteration 3:   log likelihood = -122.19529
Iteration 4:   log likelihood = -122.19507
Iteration 5:   log likelihood = -122.19502
Iteration 6:   log likelihood = -122.19501

Random-effects logistic regression              Number of obs     =        249
Group variable: site_num                        Number of groups  =         26

Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.6
                                                              max =         40

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(8)      =      19.30
Log likelihood  = -122.19501                    Prob > chi2       =     0.0133
```

fin_ft_savi~s	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	1.015566	.332276	0.05	0.962	.5348219	1.928443
age_10	6.024601	4.354653	2.48	0.013	1.461065	24.84202
age_10_2	.8313491	.0582085	-2.64	0.008	.7247445	.9536345
raceeth						
2	2.949426	1.557593	2.05	0.041	1.047654	8.303425
3	2.477644	.8790754	2.56	0.011	1.236033	4.966469
4	4.497127	3.163445	2.14	0.033	1.13284	17.85261
los_week	.858479	.2350395	-0.56	0.577	.5019756	1.468171
dispo_home	1.002191	.455938	0.00	0.996	.4108691	2.44454
_cons	.0042989	.0078982	-2.97	0.003	.0001174	.1574796
/lnsig2u	-14.05899	36.42825			-85.45706	57.33907
sigma_u	.0008854	.0161264			2.77e-19	2.83e+12
rho	2.38e-07	8.68e-06			2.34e-38	1

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) =  0.00                  Prob >= chibar2 = 1.000

237 . xtlogit fin_ft_savings female age_10 age_10_2 i.raceeth los_week dispo_home new_any, re or

Fitting comparison model:

Iteration 0:   log likelihood = -132.90325
Iteration 1:   log likelihood = -119.16652
Iteration 2:   log likelihood = -117.68472
Iteration 3:   log likelihood = -117.66543
Iteration 4:   log likelihood = -117.66542

Fitting full model:

tau =  0.0     log likelihood = -117.66542
tau =  0.1     log likelihood = -118.72503

Iteration 0:   log likelihood = -118.72503
Iteration 1:   log likelihood = -117.67283
Iteration 2:   log likelihood = -117.66677
Iteration 3:   log likelihood = -117.66565
Iteration 4:   log likelihood = -117.66547
Iteration 5:   log likelihood = -117.66543
Iteration 6:   log likelihood = -117.66542

Random-effects logistic regression              Number of obs     =        245
Group variable: site_num                        Number of groups  =         26
```

```
Random effects u_i ~ Gaussian                   Obs per group:
                                                              min =          1
                                                              avg =        9.4
                                                              max =         39

Integration method: mvaghermite                 Integration pts.  =         12

                                                Wald chi2(9)      =      23.10
Log likelihood  = -117.66542                    Prob > chi2       =     0.0060
```

fin_ft_savi~s	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
female	.8939624	.3032708	-0.33	0.741	.459785	1.738136
age_10	5.545778	4.025164	2.36	0.018	1.337071	23.00226
age_10_2	.8399634	.0593571	-2.47	0.014	.7313228	.9647429
raceeth						
2	3.973028	2.168799	2.53	0.011	1.36291	11.5818
3	3.205091	1.200875	3.11	0.002	1.537851	6.679845
4	5.219719	3.756313	2.30	0.022	1.273765	21.38971
los_week	.8129645	.2303967	-0.73	0.465	.4664858	1.416788
dispo_home	.9998379	.4626437	-0.00	1.000	.4037037	2.476261
new_any	2.210225	.7805785	2.25	0.025	1.106166	4.416241
_cons	.0028992	.0053697	-3.15	0.002	.0000769	.1093557
/lnsig2u	-14.61772	36.51287			-86.18163	56.94618
sigma_u	.0006696	.0122241			1.93e-19	2.32e+12
rho	1.36e-07	4.98e-06			1.13e-38	1

```
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline odds (conditional on zero random effects).
LR test of rho=0: chibar2(01) = 0.00                  Prob >= chibar2 = 1.000

238 .
239 . gen ft_total = fin_job_change + fin_ft_timeoff + fin_ft_savings + ft_drain
    (44 missing values generated)

240 .
241 . /* can't just run 'em all at once, because of slightly different non-responses
    > and if you run them all at once, spearman does casewise deletion for any missing.
    > Pattern is same, but it risks confusing readers*/
242 .
243 . spearman new_complaints pt_adl_diff_score

     Number of obs =     241
    Spearman's rho =      -0.2992

    Test of Ho: new_complaints and pt_adl_diff_score are independent
        Prob > |t| =       0.0000

244 . spearman new_complaints pt_covidrec

     Number of obs =     243
    Spearman's rho =      -0.4749

    Test of Ho: new_complaints and pt_covidrec are independent
        Prob > |t| =       0.0000

245 . spearman new_complaints ft_total

     Number of obs =     209
    Spearman's rho =       0.0912

    Test of Ho: new_complaints and ft_total are independent
        Prob > |t| =       0.1892

246 . spearman pt_adl_diff_score pt_covidrec

     Number of obs =     243
    Spearman's rho =       0.3862

    Test of Ho: pt_adl_diff_score and pt_covidrec are independent
```

```
        Prob > |t| =       0.0000

247 . spearman pt_adl_diff_score  ft_total

     Number of obs =     209
    Spearman's rho =      -0.1608

    Test of Ho: pt_adl_diff_score and ft_total are independent
        Prob > |t| =       0.0200

248 . spearman  pt_covidrec ft_total

     Number of obs =     207
    Spearman's rho =      -0.1664

    Test of Ho: pt_covidrec and ft_total are independent
        Prob > |t| =       0.0166

249 .
    end of do-file

250 . log close
          name:  <unnamed>
           log:  /Users/tiwashyn/Documents/Documents - MacBook Air 2019 the replacement/PETAL/BLUE CORAL/JHM R1/Early Look JHM R1 full s
    > tata code v01 LOG.smcl
      log type:  smcl
     closed on:   8 May 2021, 12:22:14
    ------------------------------------------------------------------------------------------------------------------------------------------------------
```