

Age Cohort Comparisons

Deric Liang

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```
# read in main data
cididata_raw <-
  fread("ukrmain_RU_061419.csv")
```

```
# subsetting data
cididata <-
  cididata_raw %>%
  mutate(anx = ifelse(DSM_AGO == 1|DSM_SO == 1|DSM_GAD == 1|DSM_PDS == 1, 1, 0),
    ied = ifelse(DSM_IEDH == 1, 1, 0),
    aff = ifelse(DSM_MDE == 1|DSM_DYS == 1, 1, 0),
    alc = ifelse(DSM_ALA == 1|DSM_ALD == 1, 1, 0),
    any = ifelse(anx == 1|ied == 1|aff == 1|alc == 1, 1, 0)) %>%
  select(sampleid, AGE, SEX, io16, de20, fnu1, fnu4,
    de32_1, de32_2, de32_3, de32_4, de32_5, de32_6, de32_7, de32_8, de32_9,
    de32_98, de32_99, de34, de40, sc3, sc3a, mr16, mr18, mr22,
    sn1, sn2, sn6, sn7, cc1tz, cc2, cn6, cn6a, cn6b,
    sd2, sd4, sd6, sd15, sd17, sd19, ch67, ch97, sc7, su8, ch52, ch82, pt1,
    anx, ied, aff, alc, any, secu, strata, weight2)
```

Data Cleaning

```
# subset to part 2 data
cididata_pt2raw <-
  cididata %>%
  filter(!is.na(de20))

# create age cohorts
cididata_pt2raw <-
  cididata_pt2raw %>%
  # bromet cohorts
  mutate(brom4_agecohort = cut(cididata_pt2raw$AGE, breaks = c(16, 24, 34, 49, Inf),
    labels = c("Youngest", "Middle Young", "Middle Age", "Eldest")),
    brom3_agecohort = cut(cididata_pt2raw$AGE, breaks = c(16, 37, 57, Inf),
    labels = c("Youngest", "Middle", "Eldest"))) %>%
  # alfonso cohorts
  mutate(alfonso_cohort = cut(cididata_pt2raw$AGE, breaks = c(16, 37, 49, 64, Inf),
    labels = c("Youngest", "Middle Young", "Middle Age", "Eldest")))

# create broader "other religion" variable, clean up suicidality
cididata_pt2 <-
  cididata_pt2raw %>%
  # religion
  mutate(de32_1 = ifelse(is.na(de32_1), 0, 1),
    de32_2 = ifelse(is.na(de32_2), 0, 1),
```

```

de32_9 = ifelse(is.na(de32_9), 0, 1),
de32_98 = ifelse(is.na(de32_98), 0, 1),
de32_99 = ifelse(is.na(de32_99), 0, 1),
de32_other = ifelse(de32_3|de32_4|de32_5|de32_6|de32_7|de32_8 == 1, 1, 0),
de32_other = ifelse(is.na(de32_other), 0, 1),
de34 = ifelse(de34 == 8 | de34 == 9, 0, de34)) %>%
# suicidality
mutate(ideate = ifelse(!is.na(sd2), sd2, sd15),
      plan = ifelse(!is.na(sd4), sd4, sd17),
      attempt = ifelse(!is.na(sd6), sd6, sd19),
      plan = ifelse(is.na(plan), 5, plan),
      attempt = ifelse(is.na(attempt), 5, attempt)) %>%
select(sampleid, brom4_agecohort, brom3_agecohort, alfonso_cohort, SEX, io16,
      de20, fnu1, fnu4, de32_1, de32_2, de32_other,
      de32_98, de32_99, de34, de40, sc3, sc3a, mr16, mr18, mr22,
      sn1, sn2, sn6, sn7, cc1tz, cc2, cn6, cn6a, cn6b,
      ideate, plan, attempt, ch67, ch97, sc7, su8, ch52, ch82, pt1,
      anx, alc, aff, ied, any, secu, strata, weight2)

```

```

# Dataset with Part 2 weights on
SuicidePart2 <-
  svydesign(ids = ~secu, strata = ~strata, weights = ~weight2, nest = T,
    data = subset(cididata_pt2, cididata_pt2$weight2>0))
options(survey.lonely.psu = "adjust")

```

Frequency Tables

Sex

```

### 0 = female
### 1 = male
svytable(~alfonso_cohort + SEX, design = SuicidePart2) %>%
  addmargins() %>%
  round()

```

```

##           SEX
## alfonso_cohort  0    1  Sum
##   Youngest    313  302  615
##   Middle Young  206  198  404
##   Middle Age   203  152  354
##   Eldest      225  121  346
##   Sum         946  774 1720

```

```

svytable(~brom3_agecohort + SEX, design = SuicidePart2) %>%
  addmargins() %>%
  round()

```

```

##           SEX
## brom3_agecohort  0    1  Sum

```

```
##           Youngest  313  302  615
##           Middle    317  288  605
##           Eldest    316  184  500
##           Sum       946  774 1720
```

Marriage

```
# are you currently married?
### 7 = living with someone
svytable(~alfonso_cohort + sc3, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           sc3
## alfonso_cohort  1    5    7  Sum
##   Youngest     338  266  11  615
##   Middle Young  292  103    9  404
##   Middle Age   236  115    3  354
##   Eldest       163  183    0  346
##   Sum          1029  668  23 1720
```

```
svytable(~brom3_agecohort + sc3, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           sc3
## brom3_agecohort  1    5    7  Sum
##   Youngest     338  266  11  615
##   Middle       433  162  10  605
##   Eldest       257  240    2  500
##   Sum          1029  668  23 1720
```

Cancer

```
# presence of cancer
svytable(~alfonso_cohort + cc1tz, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           cc1tz
## alfonso_cohort  1    5    8    9  Sum
##   Youngest      0  612    2    1  615
##   Middle Young   3  399    2    0  404
##   Middle Age    10  343    1    0  354
##   Eldest        7  339    0    0  346
##   Sum           21 1693    5    1 1720
```

```
svytable(~brom3_agecohort + cc1tz, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                cc1tz
## brom3_agecohort  1    5    8    9 Sum
##      Youngest    0  612    2    1 615
##      Middle     10  594    2    0 605
##      Eldest     11  487    1    0 500
##      Sum        21 1693    5    1 1720
```

```
# treatment for cancer
```

```
### 1 = treatment
```

```
### 2 = remission
```

```
### 3 = cured
```

```
svytable(~alfonso_cohort + cc2, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                cc2
## alfonso_cohort  1  2  3  8 Sum
##   Youngest      0  0  0  0  0
##   Middle Young  0  0  2  0  3
##   Middle Age    5  4  1  0 10
##   Eldest        1  1  3  2  7
##   Sum           6  6  7  2 21
```

```
svytable(~brom3_agecohort + cc2, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                cc2
## brom3_agecohort  1  2  3  8 Sum
##   Youngest      0  0  0  0  0
##   Middle        5  1  3  0 10
##   Eldest        1  4  3  2 11
##   Sum           6  6  7  2 21
```

Socio-economic status

No tables for DE20 (years of schooling) or FNU1 (total monthly income); both are not continuous variables and frequency tables inherently don't make sense for them.

```
# financial level
```

```
### 1 = not enough for food
```

```
### 2 = difficult to buy clothes/shoes
```

```
### 3 = not enough for durables
```

```
### 4 = can afford some expensive things
```

```
### 5 = can afford anything
```

```
svytable(~alfonso_cohort + fnu4, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           fnu4
## alfonso_cohort  1    2    3    4    5    8    9  Sum
##   Youngest     132  311  116  47    1    1    8  615
##   Middle Young  124  193   69  16    0    0    2  404
##   Middle Age   146  167   35   4    2    0    0  354
##   Eldest       163  164   16   0    0    1    1  346
##   Sum          565  835  236  67    4    2   11 1720
```

```
svytable(~brom3_agecohort + fnu4, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           fnu4
## brom3_agecohort  1    2    3    4    5    8    9  Sum
##   Youngest     132  311  116  47    1    1    8  615
##   Middle       190  298   95  18    3    0    2  605
##   Eldest       243  226   26   3    0    1    1  500
##   Sum          565  835  236  67    4    2   11 1720
```

Urbanicity

```
### 1 = rural
### 2 = township
### 3 = city up to 200,000 inhabitants
### 4 = city between 200,000 and 500,000 inhabitants
### 5 = city with more than 500,000 inhabitants
```

```
svytable(~alfonso_cohort + io16, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           io16
## alfonso_cohort  1    2    3    4    5  Sum
##   Youngest     176   89  125   78  147  615
##   Middle Young  124   52  103   33   91  404
##   Middle Age   120   34   72   54   74  354
##   Eldest       134   25   77   42   69  346
##   Sum          553  200  377  208  381 1720
```

```
svytable(~brom3_agecohort +io16, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           io16
## brom3_agecohort  1    2    3    4    5  Sum
```

```
##      Youngest 176   89 125   78 147  615
##      Middle   182   74 146   65 138  605
##      Eldest   195   38 106   65  96  500
##      Sum      553  200 377  208 381 1720
```

Proximity to Chernobyl

```
svytable(~alfonso_cohort + de40, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##      de40
## alfonso_cohort 1    5    8 Sum
##   Youngest    60 555    0 615
##   Middle Young  33 369    2 404
##   Middle Age   33 321    0 354
##   Eldest      26 319    1 346
##   Sum         152 1564    3 1720
```

```
svytable(~brom3_agecohort + de40, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##      de40
## brom3_agecohort 1    5    8 Sum
##   Youngest     60 555    0 615
##   Middle       55 549    2 605
##   Eldest       38 461    1 500
##   Sum          152 1564    3 1720
```

Parental Alcoho/Drug Use

```
# mother alc/drug problem
svytable(~alfonso_cohort + ch52, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##      ch52
## alfonso_cohort 1    5    8 Sum
##   Youngest     12 596    1 610
##   Middle Young  5  395    4 404
##   Middle Age    1  346    1 348
##   Eldest        2  335    1 338
##   Sum           20 1672    7 1699
```

```
svytable(~brom3_agecohort + ch52, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch52
## brom3_agecohort    1    5    8 Sum
##      Youngest    12  596    1 610
##      Middle      6  592    5 602
##      Eldest      2  484    1 487
##      Sum        20 1672    7 1699
```

```
# father alc/drug problem
svytable(~alfonso_cohort + ch82, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch82
## alfonso_cohort    1    5    8    9 Sum
##   Youngest      119  425   14    1 559
##   Middle Young   82  270   13    1 366
##   Middle Age    31  238    4    0 272
##   Eldest       21  237    2    0 260
##   Sum          252 1169   33    2 1457
```

```
svytable(~brom3_agecohort + ch82, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch82
## brom3_agecohort    1    5    8    9 Sum
##   Youngest      119  425   14    1 559
##   Middle       101  418   14    1 534
##   Eldest       32  326    6    0 364
##   Sum          252 1169   33    2 1457
```

Parental Suicidality

```
# mother suicidality
svytable(~alfonso_cohort + ch67, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch67
## alfonso_cohort    1    5    8 Sum
##   Youngest       3  600    7 610
##   Middle Young   3  397    4 404
##   Middle Age     7  336    5 348
##   Eldest         1  330    6 338
##   Sum           13 1664   23 1699
```

```
svytable(~brom3_agecohort + ch67, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch67
## brom3_agecohort    1    5    8 Sum
##      Youngest      3 600    7 610
##      Middle        6 588    8 602
##      Eldest        5 475    7 487
##      Sum           13 1664   23 1699
```

```
# father suicidality
svytable(~alfonso_cohort + ch97, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch97
## alfonso_cohort    1    5    8    9 Sum
##   Youngest        2 553    4    0 559
##   Middle Young    7 357    2    0 366
##   Middle Age      1 266    4    2 272
##   Eldest          0 249   11    0 260
##   Sum             9 1425   21    2 1457
```

```
svytable(~brom3_agecohort + ch97, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                ch97
## brom3_agecohort    1    5    8    9 Sum
##   Youngest        2 553    4    0 559
##   Middle          7 520    5    2 534
##   Eldest          0 351   13    0 364
##   Sum             9 1425   21    2 1457
```

Abortions

```
# had an abortion
svytable(~alfonso_cohort + cn6, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##                cn6
## alfonso_cohort    1    5    9 Sum
##   Youngest       119 121    0 240
##   Middle Young   128  73    0 201
##   Middle Age    132  58    1 191
##   Eldest        99 113    1 213
##   Sum           477 365    2 844
```

```
svytable(~brom3_agecohort + cn6, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```



```
##          cn6
## brom3_agecohort  1   5   9 Sum
##      Youngest 119 121   0 240
##      Middle   202 105   1 308
##      Eldest   156 139   1 296
##      Sum      477 365   2 844
```

```
# number of abortions
### continuous variable so frequency table less intuitive; just wanted to know
svytable(~alfonso_cohort + cn6a, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          cn6a
## alfonso_cohort  1   2   3   4   5   6   7   8   9  10  11  12  13  14  15
##   Youngest      57  38   7   8   2   1   3   0   0   0   0   0   0   0
##   Middle Young   34  48  18   6   8   2   4   4   0   1   0   0   0   0
##   Middle Age     31  36  11  17  13   6   5   1   2   4   0   0   1   0
##   Eldest         24  28  21   5   6   2   5   2   2   2   0   0   0   0
##   Sum           146 150  57  37  30  10  16   7   5   7   0   0   1   0
##          cn6a
## alfonso_cohort  16  17  18  23  25  29  30  98  99 Sum
##   Youngest       0   0   0   0   0   0   0   1   0 119
##   Middle Young    0   0   1   0   0   0   0   0   1 128
##   Middle Age      0   1   0   0   0   0   0   3   1 132
##   Eldest          0   1   0   0   0   0   0   0   1 100
##   Sum             0   2   1   0   0   0   0   4   4 479
```

```
svytable(~brom3_agecohort + cn6a, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          cn6a
## brom3_agecohort  1   2   3   4   5   6   7   8   9  10  11  12  13  14
##   Youngest      57  38   7   8   2   1   3   0   0   0   0   0   0
##   Middle        56  71  24  13  15   4   5   5   2   1   0   0   1
##   Eldest        33  41  26  16  13   5   7   2   2   5   0   0   1
##   Sum           146 150  57  37  30  10  16   7   5   7   0   0   1
##          cn6a
## brom3_agecohort  15  16  17  18  23  25  29  30  98  99 Sum
##   Youngest       0   0   0   0   0   0   0   0   1   0 119
##   Middle         0   0   0   1   0   0   0   0   3   2 203
##   Eldest         0   0   2   0   0   0   0   0   0   2 157
##   Sum            0   0   2   1   0   0   0   0   4   4 479
```

Social Network

```
# ability to rely on friends/family
svytable(~alfonso_cohort + sn6, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn6
## alfonso_cohort  1    2    3    4    8    9 Sum
##   Youngest     356  139   77   32   10   0 615
##   Middle Young  238  103   35   22    5   0 404
##   Middle Age   165   81   67   37    5   0 354
##   Eldest       175   64   53   42    9   2 344
##   Sum          935  388  232  132   29   2 1717
```

```
svytable(~brom3_agecohort + sn6, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn6
## brom3_agecohort  1    2    3    4    8    9 Sum
##   Youngest     356  139   77   32   10   0 615
##   Middle       332  153   76   36    8   0 605
##   Eldest       247   95   79   64   11   2 497
##   Sum          935  388  232  132   29   2 1717
```

```
# ability to open up
svytable(~alfonso_cohort + sn6, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn6
## alfonso_cohort  1    2    3    4    8    9 Sum
##   Youngest     356  139   77   32   10   0 615
##   Middle Young  238  103   35   22    5   0 404
##   Middle Age   165   81   67   37    5   0 354
##   Eldest       175   64   53   42    9   2 344
##   Sum          935  388  232  132   29   2 1717
```

```
svytable(~brom3_agecohort + sn6, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn6
## brom3_agecohort  1    2    3    4    8    9 Sum
##   Youngest     356  139   77   32   10   0 615
##   Middle       332  153   76   36    8   0 605
##   Eldest       247   95   79   64   11   2 497
##   Sum          935  388  232  132   29   2 1717
```

```
# contact with family
svytable(~alfonso_cohort + sn1, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn1
## alfonso_cohort  1    2    3    4    5    6    7    8    9 Sum
##   Youngest     211   58  122   99   88   10   27    1    0 615
```

```
## Middle Young 142 46 68 71 59 2 15 0 0 404
## Middle Age 114 42 75 56 49 10 7 1 0 354
## Eldest 116 23 52 75 59 16 2 3 1 346
## Sum 583 170 317 301 255 38 50 5 1 1720
```

```
svytable(~brom3_agecohort + sn1, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn1
## brom3_agecohort 1 2 3 4 5 6 7 8 9 Sum
## Youngest 211 58 122 99 88 10 27 1 0 615
## Middle 202 71 104 107 91 9 21 1 0 605
## Eldest 169 41 91 95 76 20 3 3 1 500
## Sum 583 170 317 301 255 38 50 5 1 1720
```

```
# contact with friends
svytable(~alfonso_cohort + sn2, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn2
## alfonso_cohort 1 2 3 4 5 6 7 8 Sum
## Youngest 304 99 100 70 31 0 11 0 615
## Middle Young 176 55 76 53 29 1 14 0 404
## Middle Age 129 44 63 53 45 2 17 1 354
## Eldest 117 44 48 44 55 3 32 4 346
## Sum 726 242 287 221 160 5 74 6 1720
```

```
svytable(~brom3_agecohort + sn2, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          sn2
## brom3_agecohort 1 2 3 4 5 6 7 8 Sum
## Youngest 304 99 100 70 31 0 11 0 615
## Middle 246 82 113 91 50 3 20 0 605
## Eldest 176 61 74 59 79 3 42 5 500
## Sum 726 242 287 221 160 5 74 6 1720
```

Mental Disorders

```
# affective
svytable(~alfonso_cohort + aff, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          aff
## alfonso_cohort 0 1 Sum
## Youngest 548 68 615
```

```
## Middle Young 346 58 404
## Middle Age 273 82 354
## Eldest 254 92 346
## Sum 1421 299 1720
```

```
svytable(~brom3_agecohort + aff, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          aff
## brom3_agecohort 0 1 Sum
## Youngest 548 68 615
## Middle 502 103 605
## Eldest 371 129 500
## Sum 1421 299 1720
```

```
# alcohol
svytable(~alfonso_cohort + alc, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          alc
## alfonso_cohort 0 1 Sum
## Youngest 499 116 615
## Middle Young 329 75 404
## Middle Age 311 44 354
## Eldest 330 16 346
## Sum 1469 251 1720
```

```
svytable(~brom3_agecohort + alc, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          alc
## brom3_agecohort 0 1 Sum
## Youngest 499 116 615
## Middle 501 104 605
## Eldest 469 31 500
## Sum 1469 251 1720
```

```
# ied
svytable(~alfonso_cohort + ied, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          ied
## alfonso_cohort 0 1 Sum
## Youngest 579 36 615
## Middle Young 382 22 404
## Middle Age 343 11 354
## Eldest 340 6 346
## Sum 1644 76 1720
```

```
svytable(~brom3_agecohort + ied, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           ied
## brom3_agecohort  0    1 Sum
##   Youngest    579   36 615
##   Middle      577   28 605
##   Eldest      488   11 500
##   Sum        1644   76 1720
```

```
# anxiety
svytable(~alfonso_cohort + aff, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           aff
## alfonso_cohort  0    1 Sum
##   Youngest     548   68 615
##   Middle Young  346   58 404
##   Middle Age    273   82 354
##   Eldest       254   92 346
##   Sum          1421  299 1720
```

```
svytable(~brom3_agecohort + aff, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           aff
## brom3_agecohort  0    1 Sum
##   Youngest     548   68 615
##   Middle       502  103 605
##   Eldest       371  129 500
##   Sum          1421  299 1720
```

```
# any
svytable(~alfonso_cohort + any, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           any
## alfonso_cohort  0    1 Sum
##   Youngest     409  206 615
##   Middle Young  266  138 404
##   Middle Age    223  131 354
##   Eldest       229  117 346
##   Sum          1128  592 1720
```

```
svytable(~brom3_agecohort + any, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               any
## brom3_agecohort  0    1 Sum
##      Youngest  409  206 615
##      Middle    391  215 605
##      Eldest    328  172 500
##      Sum       1128  592 1720
```

Military

Sample sizes too small; cannot use.

```
svytable(~alfonso_cohort + pt1, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               pt1
## alfonso_cohort  1    5 Sum
##   Youngest      14  601 615
##   Middle Young   8  396 404
##   Middle Age     8  346 354
##   Eldest        46  300 346
##   Sum           77 1643 1720
```

```
svytable(~brom3_agecohort + pt1, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               pt1
## brom3_agecohort  1    5 Sum
##   Youngest      14  601 615
##   Middle        16  589 605
##   Eldest        47  453 500
##   Sum           77 1643 1720
```

Suicidality

```
# ideate
svytable(~alfonso_cohort + ideate, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               ideate
## alfonso_cohort  1    5    8    9 Sum
##   Youngest      64  551    0    0 615
##   Middle Young   38  364    2    0 404
##   Middle Age     27  327    0    0 354
##   Eldest        28  317    0    1 346
##   Sum           157 1559    3    1 1720
```

```
svytable(~brom3_agecohort + ideate, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               ideate
## brom3_agecohort    1    5    8    9 Sum
##      Youngest    64  551    0    0 615
##      Middle     53  550    2    0 605
##      Eldest     41  458    0    1 500
##      Sum        157 1559    3    1 1720
```

```
# plan
svytable(~alfonso_cohort + plan, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               plan
## alfonso_cohort    1    5    8 Sum
##   Youngest       22  593    0 615
##   Middle Young    8  396    0 404
##   Middle Age     11  344    0 354
##   Eldest         11  335    0 346
##   Sum            52 1667    0 1720
```

```
svytable(~brom3_agecohort + plan, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##               plan
## brom3_agecohort    1    5    8 Sum
##   Youngest       22  593    0 615
##   Middle         14  592    0 605
##   Eldest         16  483    0 500
##   Sum            52 1667    0 1720
```

```
# attempt
svytable(~alfonso_cohort + attempt, design = SuicidePart2) %>%
  addmargins()
```

```
##               attempt
## alfonso_cohort          1          5          8          Sum
##   Youngest      18.96430  596.26998   0.00000  615.23428
##   Middle Young    5.43582  398.20694   0.38192  404.02468
##   Middle Age     4.76282  349.68182   0.00000  354.44464
##   Eldest         3.58745  342.70957   0.00000  346.29702
##   Sum            32.75039 1686.86831   0.38192 1720.00062
```

```
svytable(~brom3_agecohort + attempt, design = SuicidePart2) %>%
  addmargins()
```

```
##          attempt
## brom3_agecohort      1      5      8      Sum
##   Youngest    18.96430  596.26998  0.00000  615.23428
##   Middle      8.36653  596.50178  0.38192  605.25023
##   Eldest      5.41956  494.09655  0.00000  499.51611
##   Sum         32.75039 1686.86831  0.38192 1720.00062
```

```
# attempt without planning
attemptnoplan <-
  cididata_pt2 %>%
  filter(attempt == 1 & plan == 5)
svyattemptnoplan <-
  svydesign(ids = ~secu, strata = ~strata, weights = ~weight2, nest = T,
    data = subset(attemptnoplan, attemptnoplan$weight2>0))
options(survey.lonely.psu = "adjust")
svytable(~alfonso_cohort, design = svyattemptnoplan) %>% round()
```

```
## alfonso_cohort
##   Youngest Middle Young   Middle Age      Eldest
##           9       2       1       1
```

```
svytable(~brom3_agecohort, design = svyattemptnoplan) %>% round()
```

```
## brom3_agecohort
## Youngest   Middle   Eldest
##          9       3       1
```

Religion

```
# orthodox counts by cohort
svytable(~alfonso_cohort + de32_1, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          de32_1
## alfonso_cohort    0    1  Sum
##   Youngest      240  375  615
##   Middle Young   152  252  404
##   Middle Age    147  207  354
##   Eldest        133  213  346
##   Sum           672 1048 1720
```

```
svytable(~brom3_agecohort + de32_1, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##          de32_1
## brom3_agecohort    0    1  Sum
##   Youngest      240  375  615
##   Middle        254  352  605
##   Eldest        179  320  500
##   Sum           672 1048 1720
```



```
# uniate counts by cohort
svytable(~alfonso_cohort + de32_2, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           de32_2
## alfonso_cohort    0    1 Sum
##   Youngest      576   39 615
##   Middle Young  385   19 404
##   Middle Age    340   15 354
##   Eldest       307   39 346
##   Sum          1608  112 1720
```

```
svytable(~brom3_agecohort + de32_2, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           de32_2
## brom3_agecohort    0    1 Sum
##   Youngest      576   39 615
##   Middle       578   27 605
##   Eldest       454   46 500
##   Sum          1608  112 1720
```

```
# other religion counts by cohort
svytable(~alfonso_cohort + de32_other, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           de32_other
## alfonso_cohort    0    1 Sum
##   Youngest      517   98 615
##   Middle Young  336   68 404
##   Middle Age    278   76 354
##   Eldest       307   40 346
##   Sum          1438  282 1720
```

```
svytable(~brom3_agecohort + de32_other, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           de32_other
## brom3_agecohort    0    1 Sum
##   Youngest      517   98 615
##   Middle       484  121 605
##   Eldest       437   63 500
##   Sum          1438  282 1720
```

```
# religiosity counts
svytable(~alfonso_cohort + de34, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           de34
## alfonso_cohort  0    1    2    3    4 Sum
##   Youngest      23  115  226  120  132 615
##   Middle Young   13   92  131   58  110 404
##   Middle Age     15   63  135   66   76 354
##   Eldest         3  121  114   45   63 346
##   Sum            54  390  607  288  381 1720
```

```
svytable(~brom3_agecohort + de34, design = SuicidePart2) %>%
  addmargins() %>%
  round()
```

```
##           de34
## brom3_agecohort  0    1    2    3    4 Sum
##   Youngest      23  115  226  120  132 615
##   Middle        22  122  207   95  160 605
##   Eldest         9  153  174   73   90 500
##   Sum            54  390  607  288  381 1720
```

```
# ideate, plan, and attempt by cohort
cididata_pt2 %>%
  filter(ideate & plan & attempt == 1) %>%
  group_by(brom3_agecohort) %>%
  summarize(N = n())
```

```
## # A tibble: 3 x 2
##   brom3_agecohort      N
##   <fct>           <int>
## 1 Youngest         44
## 2 Middle           21
## 3 Eldest           15
```

```
cididata_pt2 %>%
  filter(ideate & plan & attempt == 1) %>%
  group_by(alfonso_cohort) %>%
  summarize(N = n())
```

```
## # A tibble: 4 x 2
##   alfonso_cohort      N
##   <fct>           <int>
## 1 Youngest         44
## 2 Middle Young     13
## 3 Middle Age       13
## 4 Eldest           10
```