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1 *****
2 *Research Question Using basic 4 visit model*
3 *****
4
5 *What is the effect of intimate partner violence on utilization of
  antenatal care services in Benin?*
6
7 *****
8 *Determining sample*
9 *****
10 *tab the number of women who completed the question on antenatal
   care utilization with women who completed the domestic violence
   module*
11 codebook m14_1
12 tab m14_1, m
13
14 drop if m14_1==.
15 tab m14_1, m
16
17 *women who answered ANC questions and completed domestic violence
   module = 3397*
18
19 *****
20 *   RECODING VARIABLES   *
21 *****
22
23 *****
   *****
24 *DEPENDENT VARIABLES: ANTENATAL CARE UTILIZATION
25 *****
   *****
26 *Number of antenatal visits during the pregnancy. Women who did
   not see anyone for antenatal care during the pregnancy are coded 0
27 *The focused ANC (FANC) model, also known as the basic ANC model,
   includes four ANC visits occurring between 8 and 12 weeks of
   gestation, between 24 and 26 weeks, at 32 weeks, and between 36
   and 38 weeks. 2002 recommendation by WHO. Guidance on each visit
   includes specific evidence-based interventions for healthy
   pregnant women (called "goal-oriented"), with appropriate referral
   of high-risk women and those who develop pregnancy complications.
   The number of visits in this model is considerably fewer than in
   ANC models used in HICs.
   https://extranet.who.int/rhl/topics/improving-health-system-performa
   nce/who-recommendation-antenatal-care-contact-schedules
28
29
30 *Antenatal Care Service (ANC) Utilization Focused ANC & Basic
   Model with at least 8 ANC visits – Dependent #1*

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49  *****
50
51  *experienced any emotional violence*
52  codebook d104
53  tab d104, m
54  recode d104 (1=1 "YES")(2 = 0 "No") (99=.) (.=.), gen(dumEV_IVMISS)
55  tab d104 dumEV_IVMISS, m
56
57  *Physical Violence*
58  *****
59  *ever been pushed, shook or had something thrown by husband/partner*
60  codebook d105a
61  tab d105a, m
62  recode d105a (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISS_a)
63  tab d105a dumPV_IVMISS_a, m
64
65  *ever been slapped by husband/partner*
66  codebook d105b
67  tab d105b, m
68  recode d105b (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISS_b)
69  tab d105b dumPV_IVMISS_b, m
70
71  *ever been punched with fist or hit by something harmful by
husband/partner*
72  codebook d105c
73  tab d105c, m
74  recode d105c (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISS_c)
75  tab d105c dumPV_IVMISS_c, m
76
77  *ever been kicked or dragged by husband/partner*
78  codebook d105d
79  tab d105d, m
80  recode d105d (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISS_d)
81  tab d105d dumPV_IVMISS_d, m
82
83  *ever been strangled or burnt by husband/partner*
84  codebook d105e
85  tab d105e, m
86  recode d105e (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISSV_e)
87  tab d105e dumPV_IVMISSV_e, m
88
89  *ever been threatened with knife/gun or other weapon by
husband/partner*

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111  *ever been forced into other unwanted sexual acts by
      husband/partner*
112  codebook d105i
113  tab d105i, m
114  recode d105i (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
      dumSV_IVMISS_i)
115  tab d105i dumSV_IVMISS_i, m
116
117  *ever been physically forced to perform sexual acts respondent
      didn't want to*
118  codebook d105k
119  tab d105k, m
120  recode d105k (0=0 "NO")(1/3 = 1 "YES") (99=.) (.=.), gen(
      dumSV_IVMISS_k)
121  tab d105k dumSV_IVMISS_k, m
122
123  *INDEPENDENT VARIABLE DUMMY FOR IPV*
124  gen sumdumIV = dumEV_IVMISS+dumPV_IVMISS_a+dumPV_IVMISS_b+
      dumPV_IVMISS_c+dumPV_IVMISS_d+dumPV_IVMISSV_e+dumPV_IVMISS_f+
      dumPV_IVMISS_j+dumSV_IVMISS_h+dumSV_IVMISS_i+dumSV_IVMISS_k
125  tab sumdumIV, m
126
127  recode sumdumIV (0=0 "Never IPV") (1/11=1 "Ever IPV") (.=.), gen (
      dumeverIPV)
128  tab dumeverIPV, m
129
130  recode sumdumIV (0=1 "Never IPV") (1/11=0 "Ever IPV") (.=.), gen (
      dumNeverIPV)
131  tab dumNeverIPV, m
132
133  tab dumeverIPV dumuseBasicANC_4, m
134
135
136  *****
137  *EXPLORATORY INDEPENDENT VARIABLES*
138  *****
139
140  *Generate Dummy for Decision Making/Empowerment/Autonomy**
141
142  *Decision-making questions*
143  *****
144
145  *person who usually decides on respondent's health care*
146  codebook v743a
147  tab v743a, m
148  recode v743a (1 2 =1 "some decisions") (4 5 6=0 "no decisions") (99
      =.) (.=.), gen (dumauthealth)
149  tab v743a dumauthealth, m

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167  tab v743f dumauthusearn, m
168
169  *Decision making DUMMY*
170  *Rationale for using the four variables for autonomy based on *
171  *Osamor, P. E., & Grady, C. (2016). Women's autonomy in health
172  care decision-making in developing countries:
173  *A synthesis of the literature. International Journal of Women's
174  Health, 8, 191–202. https://doi.org/10.2147/IJWH.S105483*
175  gen IFScale = dumauthealth + dumautlgpuch + dumautvisitfam +
176  dumauthusearn
177  tab IFScale, m
178
179  recode IFScale (0=1 "no decisions") (1/11=0 "some decisions")
180  (.=.), gen (dumNODecisions)
181  tab IFScale dumNODecisions, m
182
183  recode IFScale (0=0 "no decisions") (1/11=1 "some decisions")
184  (.=.), gen (dumDecisions)
185  tab IFScale dumDecisions, m
186
187  tab dumDecisions
188
189  *OTHER EXPLORATORY VARIABLES
190
191  *Age of Respondent in categories*
192  recode v012 (15/24= 1 "15–24") (25/49=0 "0ther")(99=.) (.=.), gen (
193  dumAge_15_24)
194  tab v012 dumAge_15_24, m
195
196  recode v012 (15/24 35/49= 0 "0thr") (25/34=1 "25/34")(99=.) (.=.),
197  gen (dumAge_25_34)
198  tab v012 dumAge_25_34, m
199
200  recode v012 (35/49= 1 "35–49") (15/34=0 "0ther")(99=.) (.=.), gen (
201  dumAge_35_49)
202  tab v012 dumAge_35_49, m
203
204  *Residence*
205  codebook v102
206  tab v102, m
207
208  recode v102 (2=1 "Rural") (1=0 "Urban") (99=.) (.=.), gen (dumrural)
209  tab v102 dumrural, m
210
211  recode v102 (2=0 "Rural") (1=1 "Urban") (99=.) (.=.), gen (dumurban)
212  tab v102 dumurban, m
213
214  tab dumrural

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221 *Wealth Index*
222 codebook v190
223 tab v190, m
224
225 recode v190 (1=1 "poorest") (2/5=0 "other")(99=.) (.=.), gen (
dumpoorest)
226 tab v190 dumpoorest, m
227
228 recode v190 (2=1 "poorer") (1 3 4 5 =0 "other")(99=.) (.=.), gen (
dumpoorer)
229 tab v190 dumpoorer, m
230
231 recode v190 (3=1 "middle") (1 2 4 5 =0 "other")(99=.) (.=.), gen (
dummiddle)
232 tab v190 dummiddle, m
233
234 recode v190 (4=1 "rich") (1 2 3 5 =0 "other")(99=.) (.=.), gen (
dumrich)
235 tab v190 dumrich, m
236
237 recode v190 (5=1 "richest") (1 2 3 4 =0 "other")(99=.) (.=.), gen (
dumrichest)
238 tab v190 dumrichest, m
239
240 *Working Woman*
241 codebook v714
242 tab v714, m
243 recode v714 (0=0 "Not Working") (1=1 "Working") (99=.) (.=.), gen (
dumworkingwoman)
244 tab v714 dumworkingwoman, m
245
246 recode v714 (0=1 "Not Working") (1=0 "Working") (99=.) (.=.), gen (
dumNOTworkingwoman)
247 tab v714 dumNOTworkingwoman, m
248
249 *Type of earnings
250 codebook v741
251 tab v741
252
253 recode v741 (0 3 .=1 "Not Paid Cash") (1/2 =0 "Paid") (99=.), gen (
dumNOTPaidorWork)
254 tab v741 dumNOTPaidorWork, m
255
256 recode v741 (0 3 .=0 "Not Paid Cash") (1/2=1 "Paid ") (99=.), gen (
dumPaid)
257 tab v741 dumPaid, m
258
259 *recode v741 (.=1 "Not Working") (1/3=0 "Working") (99=.), gen

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276 tab v729 dumhusSECedPLUS, m
277
278 recode v729 (8=1 "don't know'") (0/5 =0 "other")(99=.) (.=.), gen (
dumhusedUnknown_B)
279 tab v729 dumhusedUnknown_B, m
280
281
282 *Employment_Husband/Partner*
283 codebook v705
284 tab v705, m
285
286 recode v705 (0=0 "Not Employed") (1/98 = 1 "Employed")(99=.) (.=.),
gen (dumhusemp)
287 tab v705 dumhusemp, m
288
289 recode v705 (0=1 "Not Employed") (1/98 = 0 "Employed")(99=.) (.=.),
gen (dumhusNOTemp)
290 tab v705 dumhusNOTemp, m
291
292 *husband/partner drinks alcohol*
293 codebook d113
294 tab d113, m
295
296 recode d113 (0=0 "No Drink") (1=1 "Yes Drink") (99=.) (.=.), gen (
dumdrink)
297 tab d113 dumdrink, m
298
299 recode d113 (0=1 "No Drink") (1=0 "Yes Drink") (99=.) (.=.), gen (
dumNODrink)
300 tab d113 dumNODrink, m
301
302 *Number of Children ever born
303 codebook v201
304 tab v201, m
305
306 recode v201 (1=1 "one child") (2/16=0 "Other") (99=.) (.=.), gen (
dumOneKid)
307 tab v201 dumOneKid, m
308
309 recode v201 (2/4=1 "2-4 Children") (1 5/16=0 "Other") (99=.) (.=.),
gen (dum2to4Kids)
310 tab v201 dum2to4Kids, m
311
312 recode v201 (5/16=1 "5+ Children") (1/4=0 "Other") (99=.) (.=.),
gen (dum5plusKids)
313 tab v201 dum5plusKids, m
314
315

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331 recode v130 (7 9 =1 "Other Religions") (1/6 8 10=0 "Other") (99=.)
    (.=.), gen (dumOther_Relig)
332 tab v130 dumOther_Relig
333
334 recode v130 (10 =1 "No Religion") (1/9=0 "Other") (99=.) (.=.), gen
    (dumNORelig)
335 tab v130 dumNORelig
336
337 *Beating Justified
338
339 *beating justified if wife goes out without telling husband
340 codebook v744a
341 tab v744a
342 recode v744a (1=1 "yes") (0 8=0 "no or I don't know") (99=.) (.=.),
    gen (dumBeatOut)
343 tab v744a dumBeatOut, m
344
345 *beating justified if wife neglects the children
346 codebook v744b
347 recode v744b (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeatNegChild)
348 tab v744b dumBeatNegChild, m
349
350 *beating justified if wife argues with husband/partner
351 codebook v744c
352 recode v744c (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeatArgueHusb)
353 tab v744c dumBeatArgueHusb, m
354
355 *beating justified if wife refuses to have sex with husband/partner
356 codebook v744d
357 recode v744d (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeaNoSex)
358 tab v744d dumBeaNoSex, m
359
360 *beating justified if wife burns the food
361 codebook v744e
362 recode v744e (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeatBurnFood)
363 tab v744e dumBeatBurnFood, m
364
365 gen IFScaleBeat = dumBeatOut + dumBeatNegChild + dumBeatArgueHusb +
    dumBeaNoSex +dumBeatBurnFood
366 tab IFScaleBeat, m
367
368 recode IFScaleBeat (1/5=1 "Justified") (0=0 "Not Justified")(99=.)
    (.=.), gen (dumBeatJustified)
369 tab IFScaleBeat dumBeatJustified

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379 ci means dumuseBasicANC_4 dumeveryIPV dumDecisions dumN0Decisions
    dumAge_15_24 dumAge_25_34 dumAge_35_49 dumrural dumurban
    dumeN0educ_B dumPRIMed_B dumSECedPlus ///
380 dumpoorest dumpoorer dummiddle dumrich dumrichest dumworkingwoman
    dumNOTworkingwoman dumNOTPaidorWork dumPaid dumhusN0educ_B
    dumhusPRIMed_B dumhusSECedPLUS dumhusedUnknown_B dumhusemp
    dumhusN0Temp dumdrink dumN0drink dumOneKid dum2to4Kids dum5plusKids
    dumTradRelig dumIslam dumCatholic dumChristian dumOther_Relig
    dumN0Relig dumBeatJustified if dumeveryIPV==1, level(95)
381
382
383 *****
384 * DEALING WITH MISSING DATA *
385 *****
386
387 * drop missing * this order
388 drop if dumuseBasicANC_4==.
389 drop if dumeveryIPV==.
390 drop if dumDecisions==.
391
392 ci means dumuseBasicANC_4 dumeveryIPV dumDecisions dumN0Decisions
    dumAge_15_24 dumAge_25_34 dumAge_35_49 dumrural dumurban
    dumeN0educ_B dumPRIMed_B dumSECedPlus ///
393 dumpoorest dumpoorer dummiddle dumrich dumrichest dumworkingwoman
    dumNOTworkingwoman dumNOTPaidorWork dumPaid dumhusN0educ_B
    dumhusPRIMed_B dumhusSECedPLUS dumhusedUnknown_B dumhusemp
    dumhusN0Temp dumdrink dumN0drink dumOneKid dum2to4Kids dum5plusKids
    dumTradRelig dumIslam dumCatholic dumChristian dumOther_Relig
    dumN0Relig dumBeatJustified if dumeveryIPV==0, level(95)
394
395
396 ci means dumuseBasicANC_4 dumeveryIPV dumDecisions dumN0Decisions
    dumAge_15_24 dumAge_25_34 dumAge_35_49 dumrural dumurban
    dumeN0educ_B dumPRIMed_B dumSECedPlus ///
397 dumpoorest dumpoorer dummiddle dumrich dumrichest dumworkingwoman
    dumNOTworkingwoman dumNOTPaidorWork dumPaid dumhusN0educ_B
    dumhusPRIMed_B dumhusSECedPLUS dumhusedUnknown_B dumhusemp
    dumhusN0Temp dumdrink dumN0drink dumOneKid dum2to4Kids dum5plusKids
    dumTradRelig dumIslam dumCatholic dumChristian dumOther_Relig
    dumN0Relig dumBeatJustified if dumeveryIPV==1, level(95)
398
399 *SAMPLE SIZE = 3084 cases
400
401 *****
402 * Multicollinearity *
403 *****
404 *checking out of interest where IPV is DP*
405

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421 *v005 for individual records (IR) women's weights - have to take
    in to consideration the sample design
422 **PSU - enumeration area or sample cluster; STRATA - read
    Appendix A.
423 *These two numbers are different, simply because the number of
    children born in the past five years is not statistically
    independent of the weight variable. The difference is very small,
    but some difference is virtually inevitable. The weighted number
    of cases is not a "population size". Proportions and means
    calculated with weights will be better estimates of population
    characteristics than the UNweighted proportions and means would
    be, but you cannot interpret a weighted frequency as a "population
    size.
    https://userforum.dhsprogram.com/index.php?t=msg&th=5560&start=0&S=G
    oogle"
424 gen wgt=v005/1000000
425 tab v005 [iweight=wgt]
426 svyset [pw=wgt], psu(v021) strata(v022)
427 tab v007
428 tab v007[iweight=v005/1000000]
429
430 * After you have determined your models and have everything set,
431 * the final step is to re-run your analyses using bootstrap weights
432 * (you can do this all along but it's very slow to run)
433 * You may need to readjust your models if the results are quite
    different
434
435 ***** Redo all analyses using one of the svy commands:
436 *svy: tabulate
437 *svy: mean
438 *svy: regress
439 *svy: logit
440
441
442 * for means split by main IV to figure out the weighted means:
443 svy, subpop (dumeverIPV): mean dumuseBasicANC_4
444 svy, subpop (dumNeverIPV): mean dumuseBasicANC_4
445
446 svy, subpop (dumeverIPV): mean dumDecisions
447 svy, subpop (dumNeverIPV): mean dumDecisions
448
449 svy, subpop (dumeverIPV): mean dumAge_15_24
450 svy, subpop (dumNeverIPV): mean dumAge_15_24
451 svy, subpop (dumeverIPV): mean dumAge_25_34
452 svy, subpop (dumNeverIPV): mean dumAge_25_34
453 svy, subpop (dumeverIPV): mean dumAge_35_49
454 svy, subpop (dumNeverIPV): mean dumAge_35_49
455

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475 svy, subpop (dumNeverIPV): mean dumrichest
476
477 svy, subpop (dumeverIPV): mean dumworkingwoman
478 svy, subpop (dumNeverIPV): mean dumworkingwoman
479
480 svy, subpop (dumeverIPV): mean dumhusN0educ_B
481 svy, subpop (dumNeverIPV): mean dumhusN0educ_B
482 svy, subpop (dumeverIPV): mean dumhusPRIMed_B
483 svy, subpop (dumNeverIPV): mean dumhusPRIMed_B
484 svy, subpop (dumeverIPV): mean dumhusSECedPLUS
485 svy, subpop (dumNeverIPV): mean dumhusSECedPLUS
486 svy, subpop (dumeverIPV): mean dumhusedUnknown_B
487 svy, subpop (dumNeverIPV): mean dumhusedUnknown_B
488
489 svy, subpop (dumeverIPV): mean dumhusemp
490 svy, subpop (dumNeverIPV): mean dumhusemp
491
492 svy, subpop (dumeverIPV): mean dumdrink
493 svy, subpop (dumNeverIPV): mean dumdrink
494
495 svy, subpop (dumeverIPV): mean dumOneKid
496 svy, subpop (dumNeverIPV): mean dumOneKid
497 svy, subpop (dumeverIPV): mean dum2to4Kids
498 svy, subpop (dumNeverIPV): mean dum2to4Kids
499 svy, subpop (dumeverIPV): mean dum5plusKids
500 svy, subpop (dumNeverIPV): mean dum5plusKids
501
502 svy, subpop (dumeverIPV): mean dumNOTPaidorWork
503 svy, subpop (dumNeverIPV): mean dumNOTPaidorWork
504 svy, subpop (dumeverIPV): mean dumPaid
505 svy, subpop (dumNeverIPV): mean dumPaid
506
507 svy, subpop (dumeverIPV) : mean dumTradRelig
508 svy, subpop (dumNeverIPV): mean dumTradRelig
509 svy, subpop (dumeverIPV) : mean dumIslam
510 svy, subpop (dumNeverIPV): mean dumIslam
511 svy, subpop (dumeverIPV) : mean dumCatholic
512 svy, subpop (dumNeverIPV): mean dumCatholic
513 svy, subpop (dumeverIPV) : mean dumChristian
514 svy, subpop (dumNeverIPV): mean dumChristian
515 svy, subpop (dumeverIPV) : mean dumOther_Relig
516 svy, subpop (dumNeverIPV): mean dumOther_Relig
517 svy, subpop (dumeverIPV) : mean dumNORelig
518 svy, subpop (dumNeverIPV): mean dumNORelig
519
520 svy, subpop (dumeverIPV) : mean dumBeatJustified
521 svy, subpop (dumNeverIPV): mean dumBeatJustified
522

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537 svy: logit dumSECedPlus dumeverIPV
538
539 svy: logit dumpoorest dumeverIPV
540 svy: logit dumpoorer dumeverIPV
541 svy: logit dummiddle dumeverIPV
542 svy: logit dumrich dumeverIPV
543 svy: logit dumrichest dumeverIPV
544 svy: logit dumworkingwoman dumeverIPV
545
546 svy: logit dumhusNOeduc_B dumeverIPV
547 svy: logit dumhusPRIMed_B dumeverIPV
548 svy: logit dumhusSECedPLUS dumeverIPV
549 svy: logit dumhusedUnknown_B dumeverIPV
550
551 svy: logit dumhusemp dumeverIPV
552
553 svy: logit dumdrink dumeverIPV
554
555 svy: logit dumPaid dumeverIPV
556 svy: logit dumNOTPaidorWork dumeverIPV
557
558 svy: logit dumOneKid dumeverIPV
559 svy: logit dum2to4Kids dumeverIPV
560 svy: logit dum5plusKids dumeverIPV
561
562 svy: logit dumTradRelig dumeverIPV
563 svy: logit dumIslam dumeverIPV
564 svy: logit dumCatholic dumeverIPV
565 svy: logit dumChristian dumeverIPV
566 svy: logit dumOther_Relig dumeverIPV
567 svy: logit dumNORelig dumeverIPV
568
569 svy: logit dumBeatJustified dumeverIPV
570
571
572 * REGRESSION ANALYSIS WITH WEIGHTED DATA
573
574 svy: logistic dumuseBasicANC_4 dumeverIPV dumDecisions dumAge_25_34
    dumAge_35_49 dumrural dumPRIMed_B dumSECedPlus dumpoorer dummiddle
    dumrich dumrichest dumworkingwoman dumPaid dumhusPRIMed_B
    dumhusSECedPLUS dumhusedUnknown_B dumhusemp dumdrink dum2to4Kids
    dum5plusKids dumCatholic dumChristian dumTradRelig dumOther_Relig
    dumNORelig dumBeatJustified
575
576 outreg2 using TakeJan_8.xls, alpha (0.001, 0.01, 0.05) symbol(***,
    **, *) append sideways stats(coef se ci pval) eform
577
578

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592 drop if m14_1==.
593 tab m14_1, m
594
595 *women who answered ANC questions and completed domestic violence
    module = 3397*
596
597 *****
598 *   RECODING VARIABLES   *
599 *****
600
601 *****
    *****
602 *DEPENDENT VARIABLES: ANTENATAL CARE UTILIZATION
603 *Antenatal Care Service (ANC) Utilization Focused ANC & Basic
    Model with at least 8 ANC visits – Dependent #1*
604 codebook m14_1
605 tab m14_1, m
606
607 *AT LEAST 8 VISITS*
608 recode m14_1 (0/7 = 0 "No ANC Utilization") (8/20 = 1 "ANC
    Utilization") (98 99=.) (.=.), gen (dumuseBasicANC_8)
609 tab m14_1 dumuseBasicANC_8, m
610
611 recode m14_1 (0/7 = 1 "No ANC Utilization") (8/20 = 0 "ANC
    Utilization") (98 99=.) (.=.), gen (dumuseNOBasicANC_8)
612 tab m14_1 dumuseNOBasicANC_8, m
613
614 tab dumuseBasicANC_8
615 *****
    *****
616 *INDEPENDENT VARIABLE: INTIMATE PARTNER VIOLENCE & AUTONOMY*
617 *****
    *****
618
619 *Generate Dummy for Intimate Partner Violence *
620
621 *Emotional Violence*
622 *****
623
624 *experienced any emotional violence*
625 codebook d104
626 tab d104, m
627 recode d104 (1=1 "YES") (2 = 0 "No") (99=.) (.=.), gen(dumEV_IVMISS)
628 tab d104 dumEV_IVMISS, m
629
630 *Physical Violence*
631 *****
632 *ever been pushed, shook or had something thrown by husband/partner*

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651 codebook d105d
652 tab d105d, m
653 recode d105d (0=0 "N0")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISS_d)
654 tab d105d dumPV_IVMISS_d, m
655
656 *ever been strangled or burnt by husband/partner*
657 codebook d105e
658 tab d105e, m
659 recode d105e (0=0 "N0")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISSV_e)
660 tab d105e dumPV_IVMISSV_e, m
661
662 *ever been threatened with knife/gun or other weapon by
husband/partner*
663 codebook d105f
664 tab d105f, m
665 recode d105f (0=0 "N0")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumPV_IVMISS_f)
666 tab d105f dumPV_IVMISS_f, m
667
668 *ever had arm twisted or hair pulled by husband/partner*
669 codebook d105j
670 tab d105j, m
671 recode d105j (0=0 "N0")(1/3 = 1 "YES")(99=.) (.=.), gen(
dumPV_IVMISS_j)
672 tab d105j dumPV_IVMISS_j, m
673
674
675 *Sexual Violence*
676 *****
677
678 *ever been physically forced into unwanted sex by husband/partner*
679 codebook d105h
680 tab d105h, m
681 recode d105h (0=0 "N0")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumSV_IVMISS_h)
682 tab d105h dumSV_IVMISS_h, m
683
684 *ever been forced into other unwanted sexual acts by
husband/partner*
685 codebook d105i
686 tab d105i, m
687 recode d105i (0=0 "N0")(1/3 = 1 "YES") (99=.) (.=.), gen(
dumSV_IVMISS_i)
688 tab d105i dumSV_IVMISS_i, m
689
690 *ever been physically forced to perform sexual acts respondent

```

```

711 *****
712
713 *Generate Dummy for Decision Making/Empowerment/Autonomy*
714
715 *Decision-making questions*
716 *****
717
718 *person who usually decides on respondent's health care*
719 codebook v743a
720 tab v743a, m
721 recode v743a (1 2 =1 "some decisions") (4 5 6=0 "no decisions") (99
=. ) (.=.), gen (dumauthealth)
722 tab v743a dumauthealth, m
723
724 *person who usually decides on large household purchases*
725 codebook v743b
726 tab v743b
727 recode v743b (1 2=1 "some decisions") (4 5 6=0 "no decisions") (99
=. ) (.=.), gen (dumautlgpuch)
728 tab v743b dumautlgpuch, m
729
730 *person who usually decides on visits to family or relatives*
731 codebook v743d
732 tab v743d
733 recode v743d (1 2=1 "some decisions") (4 5 6=0 "no decisions") (99
=. ) (.=.), gen (dumautvisitfam)
734 tab v743d dumautvisitfam, m
735
736 *REVISIT*****person who usually decides what to do with money
husband earns*
737 codebook v743f
738 tab v743f
739 recode v743f (1 2=1 "some decisions") (4 6 7=0 "no decisions") (99
=. ) (.=.), gen (dumauthusearn)
740 tab v743f dumauthusearn, m
741
742 *Decision making DUMMY*
743 *Rationale for using the four variables for autonomy based on *
744 *Osamor, P. E., & Grady, C. (2016). Women's autonomy in health
care decision-making in developing countries:
745 *A synthesis of the literature. International Journal of Women's
Health, 8, 191–202. https://doi.org/10.2147/IJWH.S105483*
746 gen IFScale = dumauthealth + dumautlgpuch + dumautvisitfam +
dumauthusearn
747 tab IFScale, m
748
749 recode IFScale (0=1 "no decisions") (1/11=0 "some decisions")
(.=.), gen (dumNODecisions)

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764  tab v012 dumAge_25_34, m
765
766  recode v012 (35/49= 1 "35-49") (15/34=0 "Other")(99=.) (.=.), gen (
    dumAge_35_49)
767  tab v012 dumAge_35_49, m
768
769  *Residence*
770  codebook v102
771  tab v102, m
772
773  recode v102 (2=1 "Rural") (1=0 "Urban") (99=.) (.=.), gen (dumrural)
774  tab v102 dumrural, m
775
776  recode v102 (2=0 "Rural") (1=1 "Urban") (99=.) (.=.), gen (dumurban)
777  tab v102 dumurban, m
778
779  tab dumrural
780
781  *Education
782  codebook v149
783  tab v149, m
784
785  recode v149 (0/1=1 "no education") (2/5=0 "other") (99=.) (.=.),
    gen (dumeN0educ_B)
786  tab v149 dumeN0educ_B, m
787
788  recode v149 (2/3=1 "primary education") (0/1 4/5=0 "other") (99=.)
    (.=.), gen (dumPRIMed_B)
789  tab v149 dumPRIMed_B, m
790
791  recode v149 (4/5=1 "secondary education or higher") (0 1 2 3 =0
    "other") (99=.) (.=.), gen (dumSECedPlus)
792  tab v149 dumSECedPlus, m
793
794
795  *Wealth Index*
796  codebook v190
797  tab v190, m
798
799  recode v190 (1=1 "poorest") (2/5=0 "other")(99=.) (.=.), gen (
    dumpoorest)
800  tab v190 dumpoorest, m
801
802  recode v190 (2=1 "poorer") (1 3 4 5 =0 "other")(99=.) (.=.), gen (
    dumpoorer)
803  tab v190 dumpoorer, m
804
805  recode v190 (3=1 "middle") (1 2 4 5 =0 "other")(99=.) (.=.), gen (

```

```

822 recode v714 (0=1 "Not Working") (1=0 "Working") (99=.) (.=.), gen (
    dumNOTworkingwoman)
823 tab v714 dumNOTworkingwoman, m
824
825 *Type of earnings
826 codebook v741
827 tab v741
828
829 recode v741 (0 3 .=1 "Not Paid Cash") (1/2 =0 "Paid") (99=.), gen (
    dumNOTPaidorWork)
830 tab v741 dumNOTPaidorWork, m
831
832 recode v741 (0 3 .=0 "Not Paid Cash") (1/2=1 "Paid ") (99=.), gen (
    dumPaid)
833 tab v741 dumPaid, m
834
835 *recode v741 (.=1 "Not Working") (1/3=0 "Working") (99=.), gen
    (dumNotPAIDWorking)
836 *tab v741 dumNotPAIDWorking, m
837
838 *tab v741 v714, m
839 *The missing 3525 from the Not paid question are NOT Working* so I
    am going to include in Not working on their own.
840
841 * Husband/Partner Education
842 codebook v729
843 tab v729, m
844
845 recode v729 (0/1=1 "no education") (2/5 8=0 "other") (99=.) (.=.),
    gen (dumhusNOeduc_B)
846 tab v729 dumhusNOeduc_B, m
847
848 recode v729 (2/3=1 "primary education") (0 1 4/5 8=0 "other") (99
    =.) (.=.), gen (dumhusPRIMed_B)
849 tab v729 dumhusPRIMed_B, m
850
851 recode v729 (4/5=1 "secondary education") (0 1 2 3 8=0 "other") (99
    =.) (.=.), gen (dumhusSECedPLUS)
852 tab v729 dumhusSECedPLUS, m
853
854 recode v729 (8=1 "don't know'") (0/5 =0 "other")(99=.) (.=.), gen (
    dumhusedUnknown_B)
855 tab v729 dumhusedUnknown_B, m
856
857
858 *Employment_Husband/Partner*
859 codebook v705
860 tab v705, m

```

```

874 tab v705 dumhusemp_b, m
875
876 recode v705 (0=1 "Not Employed") (1/98 = 0 "Other")(99=.) (.=.),
gen (dumhusN0Temp_b)
877 tab v705 dumhusN0Temp_b, m
878
879 recode v705 (98=1 "Unknown") (1/96 = 0 "other")(99=.) (.=.), gen (
dumhusempunknown_b)
880 tab v705 dumhusempunknown_b, m
881
882
883
884 *husband/partner drinks alcohol*
885 codebook d113
886 tab d113, m
887
888 recode d113 (0=0 "No Drink") (1=1 "Yes Drink") (99=.) (.=.), gen (
dumdrink)
889 tab d113 dumdrink, m
890
891 recode d113 (0=1 "No Drink") (1=0 "Yes Drink") (99=.) (.=.), gen (
dumN0drink)
892 tab d113 dumN0drink, m
893
894 *Number of Children ever born
895 codebook v201
896 tab v201, m
897
898 recode v201 (1=1 "one child") (2/16=0 "Other") (99=.) (.=.), gen (
dumOneKid)
899 tab v201 dumOneKid, m
900
901 recode v201 (2/4=1 "2-4 Children") (1 5/16=0 "Other") (99=.) (.=.),
gen (dum2to4Kids)
902 tab v201 dum2to4Kids, m
903
904 recode v201 (5/16=1 "5+ Children") (1/4=0 "Other") (99=.) (.=.),
gen (dum5plusKids)
905 tab v201 dum5plusKids, m
906
907
908 *Religion
909 codebook v130
910 tab v130
911 recode v130 (1/2=1 "traditional") (3/10=0 "Other") (99=.) (.=.),
gen (dumTradRelig)
912 tab v130 dumTradRelig
913

```

```

929 tab v130 dumN0Relig
930
931 *Beating Justified
932
933 *beating justified if wife goes out without telling husband
934 codebook v744a
935 tab v744a
936 recode v744a (1=1 "yes") (0 8=0 "no or I don't know") (99=.) (.=.),
    gen (dumBeatOut)
937 tab v744a dumBeatOut, m
938
939 *beating justified if wife neglects the children
940 codebook v744b
941 recode v744b (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeatNegChild)
942 tab v744b dumBeatNegChild, m
943
944 *beating justified if wife argues with husband/partner
945 codebook v744c
946 recode v744c (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeatArgueHusb)
947 tab v744c dumBeatArgueHusb, m
948
949 *beating justified if wife refuses to have sex with husband/partner
950 codebook v744d
951 recode v744d (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeaNoSex)
952 tab v744d dumBeaNoSex, m
953
954 *beating justified if wife burns the food
955 codebook v744e
956 recode v744e (1=1 "yes") (0 8=0 "no or I don't know'") (99=.)
    (.=.), gen (dumBeatBurnFood)
957 tab v744e dumBeatBurnFood, m
958
959 gen IFScaleBeat = dumBeatOut + dumBeatNegChild + dumBeatArgueHusb +
    dumBeaNoSex +dumBeatBurnFood
960 tab IFScaleBeat, m
961
962 recode IFScaleBeat (1/5=1 "Justified") (0=0 "Not Justified")(99=.)
    (.=.), gen (dumBeatJustified)
963 tab IFScaleBeat dumBeatJustified
964
965 *****
966 * Calculate Confidence Intervals *
967 *****
968
969 ci means dumuseBasicANC_8 dumeveryIPV dumDecisions dumN0Decisions

```

```

dumhusPRIMed_B dumhusSECedPLUS dumhusedUnknown_B dumhusemp
dumhusNOTemp dumdrink dumNODrink dumOneKid dum2to4Kids dum5plusKids
  dumTradRelig dumIslam dumCatholic dumChristian dumOther_Relig
dumNORelig dumBeatJustified if dumeveryIPV==1, level(95)
975
976 *****
977 * DEALING WITH MISSING DATA *
978 *****
979
980 * drop missing * this order
981 drop if dumuseBasicANC_8==.
982 drop if dumeveryIPV==.
983 drop if dumDecisions==.
984
985 ci means dumuseBasicANC_8 dumeveryIPV dumDecisions dumNODecisions
dumAge_15_24 dumAge_25_34 dumAge_35_49 dumrural dumurban
dumeNOeduc_B dumPRIMed_B dumSECedPlus ///
986 dumpoorest dumpoorer dummiddle dumrich dumrichest dumworkingwoman
dumNOTworkingwoman dumNOTPaidorWork dumPaid dumhusNOeduc_B
dumhusPRIMed_B dumhusSECedPLUS dumhusedUnknown_B dumhusemp
dumhusNOTemp dumdrink dumNODrink dumOneKid dum2to4Kids dum5plusKids
  dumTradRelig dumIslam dumCatholic dumChristian dumOther_Relig
dumNORelig dumBeatJustified if dumeveryIPV==0, level(95)
987
988 ci means dumuseBasicANC_8 dumeveryIPV dumDecisions dumNODecisions
dumAge_15_24 dumAge_25_34 dumAge_35_49 dumrural dumurban
dumeNOeduc_B dumPRIMed_B dumSECedPlus ///
989 dumpoorest dumpoorer dummiddle dumrich dumrichest dumworkingwoman
dumNOTworkingwoman dumNOTPaidorWork dumPaid dumhusNOeduc_B
dumhusPRIMed_B dumhusSECedPLUS dumhusedUnknown_B dumhusemp
dumhusNOTemp dumdrink dumNODrink dumOneKid dum2to4Kids dum5plusKids
  dumTradRelig dumIslam dumCatholic dumChristian dumOther_Relig
dumNORelig dumBeatJustified if dumeveryIPV==1, level(95)
990
991 *SAMPLE SIZE = 3084 cases
992
993 *****
994 * Multicollinearity *
995 *****
996
997 reg dumuseBasicANC_8 dumeveryIPV dumDecisions dumAge_15_24 dumrural
  dumeNOeduc dumpoorest dumworkingwoman dumPaid dumhusNOeduc
dumhusemp dumdrink dumOneKid dumIslam dumBeatJustified
998 vif
999
1000 * VIF<3 is great
1001 * VIF 10+ is terrible
1002 * 1/VIF (Tolerance Statistics)<0.10 is bad

```

characteristics than the UNweighted proportions and means would be, but you cannot interpret a weighted frequency as a "population size."
<https://userforum.dhsprogram.com/index.php?t=msg&th=5560&start=0&S=Google>

```

1015 gen wgt=v005/1000000
1016 tab v005 [iweight=wgt]
1017 svyset [pw=wgt], psu(v021) strata(v022)
1018 tab v007
1019 tab v007[iweight=v005/1000000]
1020
1021 * After you have determined your models and have everything set,
1022 * the final step is to re-run your analyses using bootstrap weights
1023 * (you can do this all along but it's very slow to run)
1024 * You may need to readjust your models if the results are quite
    different
1025
1026 ***** Redo all analyses using one of the svy commands:
1027 *svy: tabulate
1028 *svy: mean
1029 *svy: regress
1030 *svy: logit
1031
1032 * for means split by main IV:
1033 svy, subpop (dumeverIPV): mean dumuseBasicANC_8
1034 svy, subpop (dumNeverIPV): mean dumuseBasicANC_8
1035 svy, subpop (dumeverIPV): mean dumDecisions
1036 svy, subpop (dumNeverIPV): mean dumDecisions
1037 svy, subpop (dumeverIPV): mean dumAge_15_24
1038 svy, subpop (dumNeverIPV): mean dumAge_15_24
1039 svy, subpop (dumeverIPV): mean dumAge_25_34
1040 svy, subpop (dumNeverIPV): mean dumAge_25_34
1041 svy, subpop (dumeverIPV): mean dumAge_35_49
1042 svy, subpop (dumNeverIPV): mean dumAge_35_49
1043
1044 svy, subpop (dumeverIPV): mean dumrural
1045 svy, subpop (dumNeverIPV): mean dumrural
1046
1047 svy, subpop (dumeverIPV): mean dumurban
1048 svy, subpop (dumNeverIPV): mean dumurban
1049
1050 svy, subpop (dumeverIPV): mean dumeNOeduc_B
1051 svy, subpop (dumNeverIPV): mean dumeNOeduc_B
1052 svy, subpop (dumeverIPV): mean dumPRIMed_B
1053 svy, subpop (dumNeverIPV): mean dumPRIMed_B
1054 svy, subpop (dumeverIPV): mean dumSECedPlus
1055 svy, subpop (dumNeverIPV): mean dumSECedPlus
1056

```

```

1074 svy, subpop (dumeverIPV): mean dumhusSECedPLUS
1075 svy, subpop (dumNeverIPV): mean dumhusSECedPLUS
1076 svy, subpop (dumeverIPV): mean dumhusedUnknown_B
1077 svy, subpop (dumNeverIPV): mean dumhusedUnknown_B
1078
1079 svy, subpop (dumeverIPV): mean dumhusemp_b
1080 svy, subpop (dumNeverIPV): mean dumhusemp_b
1081
1082 svy, subpop (dumeverIPV): mean dumdrink
1083 svy, subpop (dumNeverIPV): mean dumdrink
1084 svy, subpop (dumeverIPV): mean dumOneKid
1085 svy, subpop (dumNeverIPV): mean dumOneKid
1086 svy, subpop (dumeverIPV): mean dum2to4Kids
1087 svy, subpop (dumNeverIPV): mean dum2to4Kids
1088 svy, subpop (dumeverIPV): mean dum5plusKids
1089 svy, subpop (dumNeverIPV): mean dum5plusKids
1090 svy, subpop (dumeverIPV): mean dumNOTPaidorWork
1091 svy, subpop (dumNeverIPV): mean dumNOTPaidorWork
1092 svy, subpop (dumeverIPV): mean dumPaid
1093 svy, subpop (dumNeverIPV): mean dumPaid
1094 svy, subpop (dumeverIPV) : mean dumTradRelig
1095 svy, subpop (dumNeverIPV): mean dumTradRelig
1096 svy, subpop (dumeverIPV) : mean dumIslam
1097 svy, subpop (dumNeverIPV): mean dumIslam
1098 svy, subpop (dumeverIPV) : mean dumCatholic
1099 svy, subpop (dumNeverIPV): mean dumCatholic
1100 svy, subpop (dumeverIPV) : mean dumChristian
1101 svy, subpop (dumNeverIPV): mean dumChristian
1102 svy, subpop (dumeverIPV) : mean dumOther_Relig
1103 svy, subpop (dumNeverIPV): mean dumOther_Relig
1104 svy, subpop (dumeverIPV) : mean dumNORelig
1105 svy, subpop (dumNeverIPV): mean dumNORelig
1106 svy, subpop (dumeverIPV) : mean dumBeatJustified
1107 svy, subpop (dumNeverIPV): mean dumBeatJustified
1108
1109 * for t-tests do as bivariate regressions by main IV
1110 svy: logit dumuseBasicANC_8 dumeverIPV
1111 svy: logit dumuseBasicANC_8 dumNeverIPV
1112 svy: logit dumDecisions dumeverIPV
1113 svy: logit dumNODecisions dumeverIPV
1114 svy: logit dumAge_15_24 dumeverIPV
1115 svy: logit dumAge_25_34 dumeverIPV
1116 svy: logit dumAge_35_49 dumeverIPV
1117 svy: logit dumrural dumeverIPV
1118 svy: logit dumurban dumeverIPV
1119
1120 svy: logit dumeNOeduc_B dumeverIPV
1121 svy: logit dumPRIMed_B dumeverIPV

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1136 svy: logit dumhusemp_b dumeverIPV
1137
1138 svy: logit dumdrink dumeverIPV
1139 svy: logit dumPaid dumeverIPV
1140 svy: logit dumNOTPaidorWork dumeverIPV
1141 svy: logit dumOneKid dumeverIPV
1142 svy: logit dum2to4Kids dumeverIPV
1143 svy: logit dum5plusKids dumeverIPV
1144 svy: logit dumTradRelig dumeverIPV
1145 svy: logit dumIslam dumeverIPV
1146 svy: logit dumCatholic dumeverIPV
1147 svy: logit dumChristian dumeverIPV
1148 svy: logit dumOther_Relig dumeverIPV
1149 svy: logit dumNORelig dumeverIPV
1150 svy: logit dumBeatJustified dumeverIPV
1151
1152
1153 * REGRESSION ANALYSIS WITH WEIGHTED DATA
1154 svy: logistic dumuseBasicANC_8 dumeverIPV dumDecisions dumAge_25_34
    dumAge_35_49 dumrural dumPRIMed_B dumSECedPlus dumpoorer dummiddle
    dumrich dumrichest dumworkingwoman dumPaid dumhusPRIMed_B
    dumhusSECedPLUS dumhusedUnknown_B dumhusemp dumdrink dum2to4Kids
    dum5plusKids dumCatholic dumChristian dumTradRelig dumOther_Relig
    dumNORelig dumBeatJustified
1155
1156 outreg2 using TakeJan_8.xls, alpha (0.001, 0.01, 0.05) symbol(***,
    **, *) append sideways stats(coef se ci pval) eform
1157
1158

```

1158

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