|  |  |  |
| --- | --- | --- |
| **Disease/condition** | **Colorado**  **ONB Graduates** | **Washington**  **ONB graduates** |
| Colorectal Cancer | 2 | 1 |
| Heart Disease | 2 | 1 |
| Diabetes | 2 | 3 |
| Obesity | 1 | 1 |
| Osteoporosis | 0 | 2 |
| Stroke/hypertension | 4 | 1 |
| Foodborne illness | 2 | 8 |
| Infant Disease | 5 | 6 |

**Codes for determining ONB graduates**

drop if T1Height==.

drop if T2Height==.

drop if T3Height==.

drop if T4Height==.

drop if T1Weight==.

drop if T2Weight==.

drop if T3Weight==.

drop if T4Weight==.

drop if T1BMI==.

drop if T2BMI==.

drop if T3BMI==.

drop if T4BMI==.

drop if T1SBP==.

drop if T2SBP==.

drop if T3SBP==.

drop if T4SBP==.

drop if T1DBP==.

drop if T2DBP==.

drop if T3DBP==.

drop if T4DBP==.

drop if T1Pulse==.

drop if T2Pulse==.

drop if T3Pulse==.

drop if T4Pulse==.

drop if T1HbA1C==.

drop if T2HbA1C==.

drop if T3HbA1C==.

drop if T4HbA1C==.

drop if Food\_Energy\_entry==.

drop if Food\_Energy\_exit==.

#####################################################################################

generate colon\_pre\_dummy=0

generate heart\_pre\_dummy=0

gen diabeties\_pre\_dummy=0

gen obesity\_pre\_dummy=0

gen osteo\_pre\_dummy=0

gen strokehyp\_pre\_dummy=0

gen foodborn\_pre\_dummy=0

gen infant\_disease\_pre\_dummy=0

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## NORMAL GRADUATES - PRE ##

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replace colon\_pre\_dummy =1 if (Total\_Fat\_entry<=78 & SatFat\_entry<=22 & Total\_Fiber\_entry>=25 & fv\_entry>=4.5 & pre\_q07>=4 & pre\_q09>=4)

replace diabeties\_pre\_dummy =1 if (Total\_Fiber\_entry>=25 & Food\_Energy\_entry<=2300 & Carbohydrates\_entry<=358 & pre\_q07>=4 & pre\_q09>=4)

replace heart\_pre\_dummy =1 if (Total\_Fat\_entry<=78 & SatFat\_entry<=22 & Total\_Fiber\_entry>=25 & fv\_entry>=4.5 & pre\_q08>=4 & pre\_q09>=4)

replace obesity\_pre\_dummy = 1 if (Total\_Fat\_entry<=86 & fv\_entry>=4.5 & Total\_Fiber\_entry>=25 & SatFat\_entry<=24 & Food\_Energy\_entry<=2300 & pre\_q07>=4 & pre\_q09>=4)

replace strokehyp\_pre\_dummy = 1 if (fv\_entry>=4.5 & Calcium\_entry>=1000 & pre\_q08>=4 & pre\_q09>=4)

replace osteo\_pre\_dummy = 1 if (Calcium\_entry>=1000 & Diary\_entry>=3 & pre\_q07>=4)

replace foodborn\_pre\_dummy = 1 if (pre\_q05<=2 & pre\_q06<=2)

replace infant\_disease\_pre\_dummy = 1 if(pre\_q07>=4)

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## PREGNANT GRADUATES - PRE##

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replace colon\_pre\_dummy =1 if (pregnant==1 & Total\_Fat\_entry<=101 & SatFat\_entry<=29 & Total\_Fiber\_entry>=28 & fv\_entry>=5 & pre\_q07>=4 & pre\_q09>=4)

replace diabeties\_pre\_dummy =1 if (pregnant==1 & Total\_Fiber\_entry>=28 & Food\_Energy\_entry<=2600 & Carbohydrates\_entry<=423 & pre\_q07>=4 & pre\_q09>=4)

replace heart\_pre\_dummy =1 if (pregnant==1 & Total\_Fat\_entry<=101 & SatFat\_entry<=29 & Total\_Fiber\_entry>=28 & fv\_entry>=5 & pre\_q08>=4 & pre\_q09>=4)

replace obesity\_pre\_dummy = 1 if (pregnant==1 & Total\_Fat\_entry<=101 & fv\_entry>=5 & Total\_Fiber\_entry>=28 & SatFat\_entry<=29 & Food\_Energy\_entry<=2600 & pre\_q07>=4 & pre\_q09>=4)

replace strokehyp\_pre\_dummy = 1 if (pregnant==1 & fv\_entry>=5 & Calcium\_entry>=1000 & pre\_q08>=4 & pre\_q09>=4)

replace osteo\_pre\_dummy = 1 if (pregnant==1 & Calcium\_entry>=1000 & Diary\_entry>=3 & pre\_q07>=4)

replace foodborn\_pre\_dummy = 1 if (pregnant==1 & pre\_q05<=2 & pre\_q06<=2)

replace infant\_disease\_pre\_dummy = 1 if(pregnant==1 & pre\_q07>=4)

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## NURSING GRADUATES - PRE ##

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replace colon\_pre\_dummy =1 if (Nursing==1 & Total\_Fat\_entry<=101 & SatFat\_entry<=29 & Total\_Fiber\_entry>=28 & fv\_entry>=5 & pre\_q07>=4 & pre\_q09>=4)

replace diabeties\_pre\_dummy =1 if (Nursing==1 & Total\_Fiber\_entry>=28 & Food\_Energy\_entry<=2500 & Carbohydrates\_entry<=423 & pre\_q07>=4 & pre\_q09>=4)

replace heart\_pre\_dummy =1 if (Nursing==1 & Total\_Fat\_entry<=101 & SatFat\_entry<=29 & Total\_Fiber\_entry>=28 & fv\_entry>=5 & pre\_q08>=4 & pre\_q09>=4)

replace obesity\_pre\_dummy = 1 if (Nursing==1 & Total\_Fat\_entry<=101 & fv\_entry>=5 & Total\_Fiber\_entry>=28 & SatFat\_entry<=29 & Food\_Energy\_entry<=2500 & pre\_q07>=4 & pre\_q09>=4)

replace strokehyp\_pre\_dummy = 1 if (Nursing==1 & fv\_entry>=5 & Calcium\_entry>=1000 & pre\_q08>=4 & pre\_q09>=4)

replace osteo\_pre\_dummy = 1 if (Nursing==1 & Calcium\_entry>=1000 & Diary\_entry>=3 & pre\_q07>=4)

replace foodborn\_pre\_dummy = 1 if (Nursing==1 & pre\_q05<=2 & pre\_q06<=2)

replace infant\_disease\_pre\_dummy = 1 if(Nursing==1 & pre\_q07>=4)

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generate colon\_post\_dummy=0

generate heart\_post\_dummy=0

gen diabeties\_post\_dummy=0

gen obesity\_post\_dummy=0

gen osteo\_post\_dummy=0

gen strokehyp\_post\_dummy=0

gen foodborn\_post\_dummy=0

gen infant\_disease\_post\_dummy=0

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## NORMAL GRADUATES - POST##

##########################

replace colon\_post\_dummy =1 if (Total\_Fat\_exit<=78 & SatFat\_exit<=22 & Total\_Fiber\_exit>=25 & fv\_exit>=4.5 & post\_q07>=4 & post\_q09>=4)

replace diabeties\_post\_dummy =1 if (Total\_Fiber\_exit>=25 & Food\_Energy\_exit<=2300 & Carbohydrates\_exit<=358 & post\_q07>=4 & post\_q09>=4)

replace heart\_post\_dummy =1 if (Total\_Fat\_exit<=78 & SatFat\_exit<=22 & Total\_Fiber\_exit>=25 & fv\_exit>=4.5 & post\_q08>=4 & post\_q09>=4)

replace obesity\_post\_dummy = 1 if (Carbohydrates\_exit<=325 & fv\_exit>=4.5 & Total\_Fiber\_exit>=25 & SatFat\_exit<=22 & Total\_Fat\_exit<=78 & post\_q07>=4 & post\_q09>=4)

replace strokehyp\_post\_dummy = 1 if (fv\_exit>=4.5 & Calcium\_exit>=1000 & post\_q08>=4 & post\_q09>=4)

replace osteo\_post\_dummy = 1 if (Calcium\_exit>=1000 & Dairy\_exit>=3 & post\_q07>=4)

replace foodborn\_post\_dummy = 1 if (post\_q05<=2 & post\_q06<=2)

replace infant\_disease\_post\_dummy = 1 if(post\_q07>=4)

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##PREGNANT GRADUATES - POST ##

##############################

replace colon\_post\_dummy =1 if (pregnant==1 & Total\_Fat\_exit<=101 & SatFat\_exit<=29 & Total\_Fiber\_exit>=28 & fv\_exit>=5 & post\_q07>=4 & post\_q09>=4)

replace diabeties\_post\_dummy =1 if (pregnant==1 & Total\_Fiber\_exit>=28 & Food\_Energy\_exit<=2600 & Carbohydrates\_exit<=423 & post\_q07>=4 & post\_q09>=4)

replace heart\_post\_dummy =1 if (pregnant==1 & Total\_Fat\_exit<=101 & SatFat\_exit<=29 & Total\_Fiber\_exit>=28 & fv\_exit>=5 & post\_q08>=4 & post\_q09>=4)

replace obesity\_post\_dummy = 1 if (pregnant==1 & Total\_Fat\_exit<=101 & fv\_exit>=5 & Total\_Fiber\_exit>=28 & SatFat\_exit<=29 & Food\_Energy\_exit<=2600 & post\_q07>=4 & post\_q09>=4)

replace strokehyp\_post\_dummy = 1 if (pregnant==1 & fv\_exit>=5 & Calcium\_exit>=1000 & post\_q08>=4 & post\_q09>=4)

replace osteo\_post\_dummy = 1 if (pregnant==1 & Calcium\_exit>=1000 & Dairy\_exit>=3 & post\_q07>=4)

replace foodborn\_post\_dummy = 1 if (pregnant==1 & post\_q05<=2 & post\_q06<=2)

replace infant\_disease\_post\_dummy = 1 if(pregnant==1 & post\_q07>=4)

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## NURSING GRADUATES - POST ##

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replace colon\_post\_dummy =1 if (Nursing==1 & Total\_Fat\_exit<=101 & SatFat\_exit<=29 & Total\_Fiber\_exit>=28 & fv\_exit>=5 & post\_q07>=4 & post\_q09>=4)

replace diabeties\_post\_dummy =1 if (Nursing==1 & Total\_Fiber\_exit>=28 & Food\_Energy\_exit<=2500 & Carbohydrates\_exit<=423 & post\_q07>=4 & post\_q09>=4)

replace heart\_post\_dummy =1 if (Nursing==1 & Total\_Fat\_exit<=101 & SatFat\_exit<=29 & Total\_Fiber\_exit>=28 & fv\_exit>=5 & post\_q08>=4 & post\_q09>=4)

replace obesity\_post\_dummy = 1 if (Nursing==1 & Total\_Fat\_exit<=101 & fv\_exit>=5 & Total\_Fiber\_exit>=28 & SatFat\_exit<=29 & Food\_Energy\_exit<=2500 & post\_q07>=4 & post\_q09>=4)

replace strokehyp\_post\_dummy = 1 if (Nursing==1 & fv\_exit>=5 & Calcium\_exit>=1000 & post\_q08>=4 & post\_q09>=4)

replace osteo\_post\_dummy = 1 if (Nursing==1 & Calcium\_exit>=1000 & Dairy\_exit>=3 & post\_q07>=4)

replace foodborn\_post\_dummy = 1 if (Nursing==1 & post\_q05<=2 & post\_q06<=2)

replace infant\_disease\_post\_dummy = 1 if(Nursing==1 & post\_q07>=4)

#####################################################################################

generate colon\_change\_dummy=0

generate heart\_change\_dummy=0

gen diabeties\_change\_dummy=0

gen obesity\_change\_dummy=0

gen osteo\_change\_dummy=0

gen strokehyp\_change\_dummy=0

gen foodborn\_change\_dummy=0

gen infant\_disease\_change\_dummy=0

#####################################################################################

replace colon\_change\_dummy=1 if (colon\_pre\_dummy == 0 & colon\_post\_dummy == 1)

replace heart\_change\_dummy=1 if (heart\_pre\_dummy==0 & heart\_post\_dummy==1)

replace diabeties\_change\_dummy=1 if (diabeties\_pre\_dummy==0 & diabeties\_post\_dummy==1)

replace obesity\_change\_dummy=1 if (obesity\_pre\_dummy==0 & obesity\_post\_dummy==1)

replace osteo\_change\_dummy=1 if (osteo\_pre\_dummy==0 & osteo\_post\_dummy==1)

replace strokehyp\_change\_dummy=1 if (strokehyp\_pre\_dummy==0 & strokehyp\_post\_dummy==1)

replace foodborn\_change\_dummy=1 if (foodborn\_pre\_dummy==0 & foodborn\_post\_dummy==1)

replace infant\_disease\_change\_dummy=1 if (infant\_disease\_pre\_dummy==0 & infant\_disease\_post\_dummy==1)

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tab colon\_change\_dummy

tab heart\_change\_dummy

tab diabeties\_change\_dummy

tab obesity\_change\_dummy

tab osteo\_change\_dummy

tab strokehyp\_change\_dummy

tab foodborn\_change\_dummy

tab infant\_disease\_change\_dummy