*Life satisfaction

clear

use "C:Merged data\2019 2020.dta", clear

merge m:m Unique_Identifier ward WWeight Migration_Status life_sati_5 life_sati_5 groupedage sex highesteducation populationgroup income working medicalaid healthfacility HHeadSex hhmembers under18 childhunger social_grant dwellingtype mediaaccess using "C:\Users\Professor Likoko S\Desktop\Short data\2017 2018.dta"

drop _merge

merge m:m Unique_Identifier ward WWeight Migration_Status life_sati_5 life_sati_5 groupedage sex highesteducation populationgroup income working medicalaid healthfacility HHeadSex hhmembers under18 childhunger social_grant dwellingtype mediaaccess using "C:\Users\Professor Likoko S\Desktop\Short data\2015 2016.dta"

drop _merge

merge m:m Unique_Identifier ward WWeight Migration_Status life_sati_5 life_sati_5 groupedage sex highesteducation populationgroup income working medicalaid healthfacility HHeadSex hhmembers under18 childhunger social_grant dwellingtype mediaaccess using "C:\Users\Professor Likoko S\Desktop\Short data\2013 2014.dta"

drop _merge

merge m:m Unique_Identifier ward WWeight Migration_Status life_sati_5 life_sati_5 groupedage sex highesteducation populationgroup income working medicalaid healthfacility HHeadSex hhmembers under18 childhunger social_grant dwellingtype mediaaccess using "C:\Users\Professor Likoko S\Desktop\Short data\2011.dta"

drop _merge

merge m:m Unique_Identifier ward WWeight Migration_Status life_sati_5 life_sati_5 groupedage sex highesteducation populationgroup income working medicalaid healthfacility HHeadSex hhmembers under18 childhunger social_grant dwellingtype mediaaccess using "C:\Users\Professor Likoko S\Desktop\Short data\2009.dta"

drop if Migration_Status==.

drop if life_sati_5==.

drop if groupedage==.

drop if sex==.

drop if highesteducation==.

drop if populationgroup==.

drop if income==.

drop if working==.

drop if medicalaid==.

drop if healthfacility==.

drop if dwellingtype==.

drop if HHeadSex==.

drop if hhmembers==.

drop if under18==.

drop if childhunger==.

drop if social_grant==.

****

*Frequency by migration status

ta life_sati_5 [iw=WWeight]

ta life_sati_5 Migration_Status [iw=WWeight]

ta life_sati_5 sex if Migration_Status==1 | Migration_Status==2 [iw=WWeight]

ta Migration_Status [iw=WWeight]

*ta lifesatisfaction Migration_Status [iw=WWeight]

*ta lifesatisfaction sex [iw=WWeight]

ta groupedage Migration_Status [iw=WWeight]

ta sex Migration_Status [iw=WWeight]

ta highesteducation Migration_Status [iw=WWeight]

ta populationgroup Migration_Status [iw=WWeight]

ta income Migration_Status [iw=WWeight]

ta working Migration_Status [iw=WWeight]

*ta marritalstatus Migration_Status [iw=WWeight]

ta medicalaid Migration_Status [iw=WWeight]

ta healthfacility Migration_Status [iw=WWeight]

*Household-level factors

ta HHeadSex Migration_Status [iw=WWeight]

ta hhmembers Migration_Status [iw=WWeight]

ta under18 Migration_Status [iw=WWeight]

*ta sixtyplus Migration_Status [iw=WWeight]

ta childhunger Migration_Status [iw=WWeight]

ta social_grant Migration_Status [iw=WWeight]

*Community-level factors

ta dwellingtype Migration_Status [iw=WWeight]

ta Migration_Status Migration_Status [iw=WWeight]

*ta mediaaccess Migration_Status [iw=WWeight]

*Frequency by sex

ta Migration_Status [iw=WWeight]

ta life_sati_5 [iw=WWeight]

ta life_sati_5 Migration_Status [iw=WWeight]

ta life_sati_5 sex [iw=WWeight]

ta groupedage sex [iw=WWeight]

ta sex [iw=WWeight]

ta highesteducation sex [iw=WWeight]

ta populationgroup sex [iw=WWeight]

ta income sex [iw=WWeight]

ta working sex [iw=WWeight]

*ta marritalstatus sex [iw=WWeight]

ta medicalaid sex [iw=WWeight]

ta healthfacility sex [iw=WWeight]

*Household-level factors

*ta HHeadSex sex [iw=WWeight]

ta hhmembers sex [iw=WWeight]

ta under18 sex [iw=WWeight]

*ta sixtyplus sex [iw=WWeight]

ta childhunger sex [iw=WWeight]

ta social_grant sex [iw=WWeight]

*Community-level factors

```
ta dwellingtype sex [iw=WWeight]

ta Migration_Status sex [iw=WWeight]

ta mediaaccess sex [iw=WWeight]


*****************************************

table sex life_sati_5 Migration_Status [iw=WWeight]

table life_sati_5 Migration_Status [iw=WWeight]



*In-migrants

*Migration_Status Migration_Status

gen Ilife_sati_5 = life_sati_5 if Migration_Status==1

gen Isex = sex  if Migration_Status==1

gen Igroupedage = groupedage if Migration_Status==1

gen Ihighesteducation = highesteducation  if Migration_Status==1

gen Ipopulationgroup = populationgroup if Migration_Status==1

gen Iincome = income  if Migration_Status==1

gen Iworking = working if Migration_Status==1

gen Imedicalaid = medicalaid  if Migration_Status==1

gen Ihealthfacility = healthfacility  if Migration_Status==1

gen IHHeadSex = HHeadSex if Migration_Status==1

gen Ihhmembers = hhmembers  if Migration_Status==1

gen Iunder18 = under18  if Migration_Status==1

gen Ichildhunger = childhunger  if Migration_Status==1

gen Isocial_grant = social_grant if Migration_Status==1

gen Idwellingtype = dwellingtype  if Migration_Status==1

gen Imediaaccess = mediaaccess if Migration_Status==1


*Immigrants

gen Imlife_sati_5 = life_sati_5 if Migration_Status==2

gen Imsex = sex  if Migration_Status==2

gen Imgroupedage = groupedage if Migration_Status==2

gen Imhighesteducation = highesteducation  if Migration_Status==2

gen Impopulationgroup = populationgroup if Migration_Status==2
```

```
gen Imincome = income  if Migration_Status==2

gen Imworking = working if Migration_Status==2

gen Immedicalaid = medicalaid  if Migration_Status==2

gen Imhealthfacility = healthfacility  if Migration_Status==2

gen ImHHeadSex = HHeadSex if Migration_Status==2

gen Imhhmembers = hhmembers  if Migration_Status==2

gen Imunder18 = under18  if Migration_Status==2

gen Imchildhunger = childhunger  if Migration_Status==2

gen Imsocial_grant = social_grant if Migration_Status==2

gen Imdwellingtype = dwellingtype  if Migration_Status==2

gen Immediaaccess = mediaaccess if Migration_Status==2


*Pearson's Product Moment Correlation Coefficient
*pwcorr VariableA VariableB, sig star(.05) obs


*In-migrants
pwcorr Isex Ilife_sati_5, sig star(.05) obs

pwcorr Igroupedage Ilife_sati_5, sig star(.05) obs

pwcorr Ihighesteducation Ilife_sati_5, sig star(.05) obs

pwcorr Ipopulationgroup Ilife_sati_5, sig star(.05) obs

pwcorr Iincome Ilife_sati_5, sig star(.05) obs

pwcorr Iworking Ilife_sati_5, sig star(.05) obs

pwcorr Imedicalaid Ilife_sati_5, sig star(.05) obs

pwcorr Ihealthfacility Ilife_sati_5, sig star(.05) obs

pwcorr IHHeadSex Ilife_sati_5, sig star(.05) obs

pwcorr Ihhmembers Ilife_sati_5, sig star(.05) obs

pwcorr Iunder18 Ilife_sati_5, sig star(.05) obs

pwcorr Ichildhunger Ilife_sati_5, sig star(.05) obs

pwcorr Isocial_grant Ilife_sati_5, sig star(.05) obs

pwcorr Idwellingtype Ilife_sati_5, sig star(.05) obs

pwcorr Imediaaccess Ilife_sati_5, sig star(.05) obs


*Immigrants
pwcorr Imsex Imlife_sati_5, sig star(.05) obs
```

```
pwcorr Imgroupedage Imlife_sati_5, sig star(.05) obs

pwcorr Imhighesteducation Imlife_sati_5, sig star(.05) obs

pwcorr Impopulationgroup Imlife_sati_5, sig star(.05) obs

pwcorr Imincome Imlife_sati_5, sig star(.05) obs

pwcorr Imworking Imlife_sati_5, sig star(.05) obs

pwcorr Immedicalaid Imlife_sati_5, sig star(.05) obs

pwcorr Imhealthfacility Imlife_sati_5, sig star(.05) obs

pwcorr ImHHeadSex Imlife_sati_5, sig star(.05) obs

pwcorr Imhhmembers Imlife_sati_5, sig star(.05) obs

pwcorr Imunder18 Imlife_sati_5, sig star(.05) obs

pwcorr Imchildhunger Imlife_sati_5, sig star(.05) obs

pwcorr Imsocial_grant Imlife_sati_5, sig star(.05) obs

pwcorr Imdwellingtype Imlife_sati_5, sig star(.05) obs

pwcorr Immediaaccess Imlife_sati_5, sig star(.05) obs




*In-migrants
*Life_sat sex
gen MIlife_sati_5 = life_sati_5 if sex==1

gen MIsex = sex  if sex==1

gen MIgroupedage = groupedage if sex==1

gen MIhighesteducation = highesteducation  if sex==1

gen MIpopulationgroup = populationgroup if sex==1

gen MIincome = income  if sex==1

gen MIworking = working if sex==1

gen MImedicalaid = medicalaid  if sex==1

gen MIhealthfacility = healthfacility  if sex==1

gen MIHHeadSex = HHeadSex if sex==1

gen MIhhmembers = hhmembers  if sex==1

gen MIunder18 = under18  if sex==1

gen MIchildhunger = childhunger  if sex==1

gen MIsocial_grant = social_grant if sex==1

gen MIdwellingtype = dwellingtype  if sex==1

gen MImediaaccess = mediaaccess if sex==1
```

gen MIMigration_Status = Migration_Status if sex==1

*Immigrants

*Life_sat sex

gen FIlife_sati_5 = life_sati_5 if sex==2

gen FIsex = sex if sex==2

gen FIgroupedage = groupedage if sex==2

gen FIhighesteducation = highesteducation if sex==2

gen FIpopulationgroup = populationgroup if sex==2

gen FIincome = income if sex==2

gen FIworking = working if sex==2

gen FImedicalaid = medicalaid if sex==2

gen FIhealthfacility = healthfacility if sex==2

gen FIHHeadSex = HHeadSex if sex==2

gen FIhhmembers = hhmembers if sex==2

gen FIunder18 = under18 if sex==2

gen FIchildhunger = childhunger if sex==2

gen FIsocial_grant = social_grant if sex==2

gen FIdwellingtype = dwellingtype if sex==2

gen FImediaaccess = mediaaccess if sex==2

gen FIMigration_Status = Migration_Status if sex==2

oprobit MIlife_sati_5 i.MIgroupedage i.MIhighesteducation i.MIpopulationgroup i.MIincome
i.MIworking i.MImedicalaid i.MIhealthfacility i.MIhhmembers i.MIunder18 i.MIchildhunger
i.MIsocial_grant i.MIdwellingtype i.MIMigration_Status, nolog

oprobit FIlife_sati_5 i.FIgroupedage i.FIhighesteducation i.FIpopulationgroup i.FIincome i.FIworking
i.FImedicalaid i.FIhealthfacility i.FIhhmembers i.FIunder18 i.FIchildhunger i.FIsocial_grant
i.FIdwellingtype i.FIMigration_Status, nolog

oprobit life_sati_5 i.sex i.groupedage i.highesteducation i.populationgroup i.income i.working
i.medicalaid i.healthfacility i.hhmembers i.under18 i.childhunger i.social_grant i.dwellingtype
i.Migration_Status, nolog

ologit life_sati_5 i.sex i.groupedage i.highesteducation i.populationgroup i.income i.working
i.medicalaid i.healthfacility i.hhmembers i.under18 i.childhunger i.social_grant i.dwellingtype
i.Migration_Status, nolog

margins MIgroupedage MIhighesteducation MIpopulationgroup MIincome MIworking MImedicalaid MIhealthfacility MIhhmembers MIunder18 MIchildhunger MIsocial_grant MIdwellingtype MIMigration_Status

margins FIgroupedage FIhighesteducation FIpopulationgroup FIincome FIworking FImedicalaid FIhealthfacility FIhhmembers FIunder18 FIchildhunger FIsocial_grant FIdwellingtype FIMigration_Status