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/*AHCA*/ libname AHCA odbc dsn=AHCA schema=DBO;  
proc format;
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    value $ county /*PCCOUNTY*/
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'01' = 'Alachua'  
'02' = 'Baker'  
'03' = 'Bay'  
'04' = 'Bradford'  
'05' = 'Brevard'  
'06' = 'Broward'  
'07' = 'Calhoun'  
'08' = 'Charlotte'  
'09' = 'Citrus'  
'10' = 'Clay'  
'11' = 'Collier'  
'12' = 'Columbia'  
'13' = 'Miami-Dade'  
'14' = 'Desoto'  
'15' = 'Dixie'  
'16' = 'Duval'  
'17' = 'Escambia'  
'18' = 'Flagler'  
'19' = 'Franklin'  
'20' = 'Gadsden'  
'21' = 'Gilchrist'  
'22' = 'Glades'  
'23' = 'Gulf'  
'24' = 'Hamilton'  
'25' = 'Hardee'  
'26' = 'Hendry'  
'27' = 'Hernando'  
'28' = 'Highlands'  
'29' = 'Hillsborough'  
'30' = 'Holmes'  
'31' = 'Indian River'  
'32' = 'Jackson'  
'33' = 'Jefferson'  
'34' = 'Lafayette'  
'35' = 'Lake'  
'36' = 'Lee'  
'37' = 'Leon'  
'38' = 'Levy'  
'39' = 'Liberty'  
'40' = 'Madison'  
'41' = 'Manatee'  
'42' = 'Marion'  
'43' = 'Martin'  
'44' = 'Monroe'  
'45' = 'Nassau'  
'46' = 'Okaloosa'  
'47' = 'Okeechobee'  
'48' = 'Orange'  
'49' = 'Osceola'  
'50' = 'Palm Beach'  
'51' = 'Pasco'  
'52' = 'Pinellas'  
'53' = 'Polk'
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'54' = 'Putnam'
'55' = 'Saint Johns'
'56' = 'Saint Lucie'
'57' = 'Santa Rosa'
'58' = 'Sarasota'
'59' = 'Seminole'
'60' = 'Sumter'
'61' = 'Suwannee'
'62' = 'Taylor'
'63' = 'Union'
'64' = 'Volusia'
'65' = 'Wakulla'
'66' = 'Walton'
'67' = 'Washington'
;
run;

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/**Gather one year of records from AHCA dataset***/
data work.inpt (KEEP = AGE admsrc DISCHSTAT FACLNBR FAC_COUNTY OTHDIAG1-OTHDIAG30
POA1-POA30 PRINDIAG POA_PRIN_D SYS_RECID DIAG01-DIAG31 LOSDAYS);

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set AHCA.HospitalInpatient_Details;
where (REPORTYEAR in (2019) AND TYPE_SERV='1') AND MOD_CODE IN ('CL01' 'CL02' 'CL07'
'CL10'); **class 1 hosp, class2, class 1 rural, class 3 special medical**;

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/**Zero out any diagnoses that are not traumatic injuries***/
array diagnoses {31} PRINDIAG OTHDIAG1-OTHDIAG30;
array present {31} POA_PRIN_D POA1-POA30;
array new_diag {31} $ DIAG01-DIAG31;
do i=1 to 31; /*Zero out the diagnosis value if it is not an an injury.*/
    if (substr(diagnoses{i},1,1)="S" AND substr(diagnoses{i},3,1) NE "0" AND
substr(diagnoses{i},7,1) IN ("A","B","C"))
        OR substr(diagnoses{i},1,3) IN ("T07","T14","T30","T31","T32")
        OR (substr(diagnoses{i},1,3) IN ("T20","T21","T22","T23","T24","T25","T26","T27","T28")
AND substr(diagnoses{i},7,1)="A")
        OR (substr(diagnoses{i},1,5) IN
("T79A1","T79A2","T79A3","T79A4","T79A5","T79A6","T79A7","T79A8","T79A9") AND
substr(diagnoses{i},7,1)="A")
        THEN new_diag{i}=diagnoses{i}; else new_diag{i}=" ";
end;
do i=1 to 31; /*Zero out the diagnosis value if it is not an an injury.*/
    if (substr(diagnoses{i},1,1)="S" AND substr(diagnoses{i},3,1) NE "0" AND
substr(diagnoses{i},7,1) IN ("A","B","C"))
        OR substr(diagnoses{i},1,3) IN ("T07","T14","T30","T31","T32")
        OR (substr(diagnoses{i},1,3) IN ("T20","T21","T22","T23","T24","T25","T26","T27","T28")
AND substr(diagnoses{i},7,1)="A")
        OR (substr(diagnoses{i},1,5) IN
("T79A1","T79A2","T79A3","T79A4","T79A5","T79A6","T79A7","T79A8","T79A9") AND
substr(diagnoses{i},7,1)="A")
        THEN diagnoses{i}=1; else diagnoses{i}=0;
end;

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/*How POA indicators are coded: Y - Yes Present at time that order for inpatient admission occurs.
N - No Not present at the time that the order for inpatient admission occurs.
U - Unknown Documentation is insufficient to determine if condition is present on

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admission. W - Clinically Undetermined Provider is unable to clinically determine whether the condition was present on admission or not. E - Exempt The condition is exempt from POA reporting.*/
do i=1 to 31; /*Zero out the diagnosis value if it is not present on admission.*/

if present{i} IN ('N', 'E') THEN diagnoses{i}=0;
if present{i} IN ('N', 'E') THEN new_diag{i}=" ";

end;

/**/Elimiate records for patients with no injuries***/

injury =

PRINDIAG+OTHDIAG1+OTHDIAG2+OTHDIAG3+OTHDIAG4+OTHDIAG5+OTHDIAG6+OTHDIAG7+OTHDIAG8+OTHDIAG9+OTHDIAG10+OTHDIAG11+

OTHDIAG12+OTHDIAG13+OTHDIAG14+OTHDIAG15+OTHDIAG16+OTHDIAG17+OTHDIAG18+OTHDIAG19+OTHDIAG20+OTHDIAG21+OTHDIAG22+OTHDIAG23+OTHDIAG24+

OTHDIAG25+OTHDIAG26+OTHDIAG27+OTHDIAG28+OTHDIAG29+OTHDIAG30;

if injury=0 THEN DELETE;

RUN;

/**/Import survial risk ratios***/

data WORK.SRR ;

%let _EFIERR_ = 0; /* set the ERROR detection macro variable */

infile 'C:\Users\cardks\Desktop\SRR_adult_2016to2019.csv' delimiter =',' MISSOVER DSD lrecl=32767
firstobs=2 ;

informat DIAGNOSIS \$8. ;

informat Incidence best32. ;

informat Mortality best32. ;

informat SRR best32. ;

format DIAGNOSIS \$8. ;

format Incidence best12. ;

format Mortality best12. ;

format SRR best12. ;

input DIAGNOSIS \$ Incidence Mortality SRR;

if _ERROR_ then call symputx('_EFIERR_',1); /* set ERROR detection macro variable */

run;

data srr; set srr; DIAGNOSIS=compress(DIAGNOSIS,'.');

/**/Assign SRRs to specific injuries***/

DATA work.SRR; SET work.SRR; DIAG01=DIAGNOSIS; RUN;

PROC SORT data=work.SRR; BY DIAG01; RUN;

PROC SORT data=work.inpt; BY DIAG01; RUN;

DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG01; IF InSet=1; SRR01=SRR; DROP

DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG02=DIAGNOSIS; RUN;

PROC SORT data=work.SRR; BY DIAG02; RUN;

PROC SORT data=work.inpt; BY DIAG02; RUN;

DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG02; IF InSet=1; SRR02=SRR; DROP

DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG03=DIAGNOSIS; RUN;

PROC SORT data=work.SRR; BY DIAG03; RUN;

PROC SORT data=work.inpt; BY DIAG03; RUN;

DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG03; IF InSet=1; SRR03=SRR; DROP

DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG04=DIAGNOSIS; RUN;

```
PROC SORT data=work.SRR; BY DIAG04; RUN;
PROC SORT data=work.inpt; BY DIAG04; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG04; IF InSet=1; SRR04=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG05=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG05; RUN;
PROC SORT data=work.inpt; BY DIAG05; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG05; IF InSet=1; SRR05=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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DATA work.SRR; SET work.SRR; DIAG06=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG06; RUN;
PROC SORT data=work.inpt; BY DIAG06; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG06; IF InSet=1; SRR06=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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DATA work.SRR; SET work.SRR; DIAG07=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG07; RUN;
PROC SORT data=work.inpt; BY DIAG07; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG07; IF InSet=1; SRR07=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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DATA work.SRR; SET work.SRR; DIAG08=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG08; RUN;
PROC SORT data=work.inpt; BY DIAG08; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG08; IF InSet=1; SRR08=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG09=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG09; RUN;
PROC SORT data=work.inpt; BY DIAG09; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG09; IF InSet=1; SRR09=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG10=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG10; RUN;
PROC SORT data=work.inpt; BY DIAG10; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG10; IF InSet=1; SRR10=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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DATA work.SRR; SET work.SRR; DIAG11=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG11; RUN;
PROC SORT data=work.inpt; BY DIAG11; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG11; IF InSet=1; SRR11=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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DATA work.SRR; SET work.SRR; DIAG12=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG12; RUN;
PROC SORT data=work.inpt; BY DIAG12; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG12; IF InSet=1; SRR12=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG13=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG13; RUN;
PROC SORT data=work.inpt; BY DIAG13; RUN;
```

DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG13; IF InSet=1; SRR13=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG14=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG14; RUN;
PROC SORT data=work.inpt; BY DIAG14; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG14; IF InSet=1; SRR14=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG15=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG15; RUN;
PROC SORT data=work.inpt; BY DIAG15; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG15; IF InSet=1; SRR15=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG16=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG16; RUN;
PROC SORT data=work.inpt; BY DIAG16; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG16; IF InSet=1; SRR16=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG17=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG17; RUN;
PROC SORT data=work.inpt; BY DIAG17; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG17; IF InSet=1; SRR17=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG18=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG18; RUN;
PROC SORT data=work.inpt; BY DIAG18; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG18; IF InSet=1; SRR18=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG19=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG19; RUN;
PROC SORT data=work.inpt; BY DIAG19; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG19; IF InSet=1; SRR19=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG20=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG20; RUN;
PROC SORT data=work.inpt; BY DIAG20; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG20; IF InSet=1; SRR20=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG21=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG21; RUN;
PROC SORT data=work.inpt; BY DIAG21; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG21; IF InSet=1; SRR21=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

DATA work.SRR; SET work.SRR; DIAG22=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG22; RUN;
PROC SORT data=work.inpt; BY DIAG22; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG22; IF InSet=1; SRR22=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;

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DATA work.SRR; SET work.SRR; DIAG23=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG23; RUN;
PROC SORT data=work.inpt; BY DIAG23; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG23; IF InSet=1; SRR23=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG24=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG24; RUN;
PROC SORT data=work.inpt; BY DIAG24; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG24; IF InSet=1; SRR24=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG25=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG25; RUN;
PROC SORT data=work.inpt; BY DIAG25; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG25; IF InSet=1; SRR25=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG26=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG26; RUN;
PROC SORT data=work.inpt; BY DIAG26; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG26; IF InSet=1; SRR26=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG27=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG27; RUN;
PROC SORT data=work.inpt; BY DIAG27; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG27; IF InSet=1; SRR27=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG28=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG28; RUN;
PROC SORT data=work.inpt; BY DIAG28; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG28; IF InSet=1; SRR28=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG29=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG29; RUN;
PROC SORT data=work.inpt; BY DIAG29; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG29; IF InSet=1; SRR29=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG30=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG30; RUN;
PROC SORT data=work.inpt; BY DIAG30; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG30; IF InSet=1; SRR30=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
DATA work.SRR; SET work.SRR; DIAG31=DIAGNOSIS; RUN;
PROC SORT data=work.SRR; BY DIAG31; RUN;
PROC SORT data=work.inpt; BY DIAG31; RUN;
DATA work.inpt; MERGE work.inpt (IN=InSet) work.SRR; BY DIAG31; IF InSet=1; SRR31=SRR; DROP
DIAGNOSIS Incidence Mortality; RUN;
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```
/**Calculate ICISS score**/
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DATA work.inpt; SET work.inpt;
array new_diag {31} DIAG01-DIAG31;
array survival {31} SRR01-SRR31;
ICISS=1;
do i=1 to 31;
    IF new_diag{i}=' ' THEN survival{i}=1;
    IF survival{i}=0 THEN survival{i}=1;
    ICISS=ROUND(ICISS*survival{i}, 0.001);
end;

drop diag01-diag31 prindiag OTHDIAG1-OTHDIAG30 POA_PRIN_D POA1-POA30 SRR01-SRR31 i;
RUN;
DATA work.inpt; SET work.inpt;
length facility_county $2. TSA $2.;

/**Segment records into severely injured and moderate/mild**/
IF ICISS GE 0.85 THEN Severity='Moderate/Mild'; ELSE IF ICISS LT 0.85 THEN Severity='Severe';

/**Re-format facility county to character value**/
IF FAC_COUNTY=1 THEN facility_county='01';
else if FAC_COUNTY=2 THEN facility_county='02';
else if FAC_COUNTY=3 THEN facility_county='03';
else if FAC_COUNTY=4 THEN facility_county='04';
else if FAC_COUNTY=5 THEN facility_county='05';
else if FAC_COUNTY=6 THEN facility_county='06';
else if FAC_COUNTY=7 THEN facility_county='07';
else if FAC_COUNTY=8 THEN facility_county='08';
else if FAC_COUNTY=9 THEN facility_county='09';
else if FAC_COUNTY=10 THEN facility_county='10';
else if FAC_COUNTY=11 THEN facility_county='11';
else if FAC_COUNTY=12 THEN facility_county='12';
else if FAC_COUNTY=13 THEN facility_county='13';
else if FAC_COUNTY=14 THEN facility_county='14';
else if FAC_COUNTY=15 THEN facility_county='15';
else if FAC_COUNTY=16 THEN facility_county='16';
else if FAC_COUNTY=17 THEN facility_county='17';
else if FAC_COUNTY=18 THEN facility_county='18';
else if FAC_COUNTY=19 THEN facility_county='19';
else if FAC_COUNTY=20 THEN facility_county='20';
else if FAC_COUNTY=21 THEN facility_county='21';
else if FAC_COUNTY=22 THEN facility_county='22';
else if FAC_COUNTY=23 THEN facility_county='23';
else if FAC_COUNTY=24 THEN facility_county='24';
else if FAC_COUNTY=25 THEN facility_county='25';
else if FAC_COUNTY=26 THEN facility_county='26';
else if FAC_COUNTY=27 THEN facility_county='27';
else if FAC_COUNTY=28 THEN facility_county='28';
else if FAC_COUNTY=29 THEN facility_county='29';
else if FAC_COUNTY=30 THEN facility_county='30';
else if FAC_COUNTY=31 THEN facility_county='31';
else if FAC_COUNTY=32 THEN facility_county='32';
else if FAC_COUNTY=33 THEN facility_county='33';
else if FAC_COUNTY=34 THEN facility_county='34';
else if FAC_COUNTY=35 THEN facility_county='35';
else if FAC_COUNTY=36 THEN facility_county='36';
else if FAC_COUNTY=37 THEN facility_county='37';

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else if FAC_COUNTY=38 THEN facility_county='38';
else if FAC_COUNTY=39 THEN facility_county='39';
else if FAC_COUNTY=40 THEN facility_county='40';
else if FAC_COUNTY=41 THEN facility_county='41';
else if FAC_COUNTY=42 THEN facility_county='42';
else if FAC_COUNTY=43 THEN facility_county='43';
else if FAC_COUNTY=44 THEN facility_county='44';
else if FAC_COUNTY=45 THEN facility_county='45';
else if FAC_COUNTY=46 THEN facility_county='46';
else if FAC_COUNTY=47 THEN facility_county='47';
else if FAC_COUNTY=48 THEN facility_county='48';
else if FAC_COUNTY=49 THEN facility_county='49';
else if FAC_COUNTY=50 THEN facility_county='50';
else if FAC_COUNTY=51 THEN facility_county='51';
else if FAC_COUNTY=52 THEN facility_county='52';
else if FAC_COUNTY=53 THEN facility_county='53';
else if FAC_COUNTY=54 THEN facility_county='54';
else if FAC_COUNTY=55 THEN facility_county='55';
else if FAC_COUNTY=56 THEN facility_county='56';
else if FAC_COUNTY=57 THEN facility_county='57';
else if FAC_COUNTY=58 THEN facility_county='58';
else if FAC_COUNTY=59 THEN facility_county='59';
else if FAC_COUNTY=60 THEN facility_county='60';
else if FAC_COUNTY=61 THEN facility_county='61';
else if FAC_COUNTY=62 THEN facility_county='62';
else if FAC_COUNTY=63 THEN facility_county='63';
else if FAC_COUNTY=64 THEN facility_county='64';
else if FAC_COUNTY=65 THEN facility_county='65';
else if FAC_COUNTY=66 THEN facility_county='66';
else if FAC_COUNTY=67 THEN facility_county='67';

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/**Assign counties to TSA**/

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IF facility_county IN ('17' '46' '57' '66') THEN TSA='01';
ELSE IF facility_county IN ('03' '23' '30' '67') THEN TSA='02';
ELSE IF facility_county IN ('07' '19' '20' '32' '33' '37' '39' '40' '62' '65') THEN TSA='03';
ELSE IF facility_county IN ('01' '04' '12' '15' '21' '24' '34' '38' '54' '61' '63') THEN TSA='04';
ELSE IF facility_county IN ('02' '10' '16' '45' '55') THEN TSA='05';
ELSE IF facility_county IN ('09' '27' '42') THEN TSA='06';
ELSE IF facility_county IN ('18' '64') THEN TSA='07';
ELSE IF facility_county IN ('35' '48' '49' '59' '60') THEN TSA='08';
ELSE IF facility_county IN ('51' '52') THEN TSA='09';
ELSE IF facility_county IN ('29') THEN TSA='10';
ELSE IF facility_county IN ('25' '28' '53') THEN TSA='11';
ELSE IF facility_county IN ('05' '31') THEN TSA='12';
ELSE IF facility_county IN ('14' '41' '58') THEN TSA='13';
ELSE IF facility_county IN ('43' '47' '56') THEN TSA='14';
ELSE IF facility_county IN ('08' '11' '22' '26' '36') THEN TSA='15';
ELSE IF facility_county IN ('50') THEN TSA='16';
ELSE IF facility_county IN ('06') THEN TSA='17';
ELSE IF facility_county IN ('13' '44') THEN TSA='18';

```

RUN;

/**Assign trauma center status to hospitals**/

DATA work.inpt; SET work.inpt;

```

IF FACLNBR IN (
100131/*Aventura*/,
100093/*Baptist*/,
100026/*Bay*/,
100032/*Bayfront*/,
100213/*Blake*/,
100039/*Broward*/,
100086/*Broward North*/,
100161/*Central Regional*/,
100258/*Delray*/,
100223/*Ft. Walton Beach*/,
100017/*Halifax*/,
100019/*Holmes*/,
100022/*Jackson*/,
100208/*Jackson South*/,
100250/*All Childrens*/,
100209/*Kendall*/,
100157/*Lakeland*/,
100246/*Lawnwood*/,
100012/*Lee*/,
100179/*Memorial Jacksonville*/,
100038/*Memorial Regional*/,
110199/*Nicklaus Children*/,
100212/*Ocala*/,
100006/*Orlando*/,
100110/*Osceola*/,
100256/*Bayonet Point*/,
100113/*Shands*/,
100025/*Sacred Heart*/,
100087/*Sarasota*/,
100075/*St Joseph*/,
100010/*St Marys*/,
100135/*TMH*/,
100128/*Tampa*/
) THEN Trauma_Center="Yes"; ELSE Trauma_Center="No";

```

```

if faclnbr in (
100001,
100002,
100004,
100007,
100008,
100009,
100014,
100015,
100018,
100020,
100021,
100023,
100024,
100028,
100029,
100030,
100034,
100035,
100040,

```

100043,
100044,
100045,
100046,
100047,
100048,
100049,
100050,
100051,
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100053,
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100062,
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100112,
100114,
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100142,
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100252,
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100254,
100255,
100259,
100260,

```
100263,  
100264,  
100282,  
104026,  
110001,  
110003,  
110004,  
110006,  
110008,  
110010,  
110019,  
110044,  
110049,  
110403,  
111525,  
111527,  
120001,  
120002,  
120003,  
120004,  
120005,  
120006,  
120007,  
120009,  
120013,  
23960017,  
23960025,  
23960032,  
23960034,  
23960039,  
23960041,  
23960046,  
23960050,  
23960051,  
23960052,  
23960057,  
23960064,  
23960084,  
23960088,  
23960092,  
23960096,  
23960098,  
23960099,  
23960100,  
23960105,  
23960108,  
23960111,  
23960117,  
23960121,  
23960123,  
23960125,  
23960157  
)  
then acute_care='Yes';  
else acute_care='No';
```

```
RUN;

/**Produce tables***/
ods rtf;
proc freq data=work.inpt; where Severity='Severe';
    tables TSA/list nopercnt nocum;
title 'All severely injured patients by TSA 2019';
run;
quit;

title 'Severely Injured treated at acute care by TSA, 2019';
proc freq data=work.inpt;
    where Severity='Severe' and acute_care='Yes';
    tables TSA/list nopercnt nocum;
run;
quit;
ods rtf close;
```