

# Dataset Integrity Check for the ACTIVE/ADIPOSE Data Files

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## 1 Standard Disclaimer

The intent of this DSIC is to provide confidence that the data distributed by the NIDDK repository is a true copy of the study data. Our intent is not to assess the integrity of the statistical analyses reported by study investigators. As with all statistical analyses of complex datasets, complete replication of a set of statistical results should not be expected in secondary analysis. This occurs for a number of reasons including differences in the handling of missing data, restrictions on cases included in samples for a particular analysis, software coding used to define complex variables, etc. Experience suggests that most discrepancies can ordinarily be resolved by consultation with the study data coordinating center (DCC), however this process is labor-intensive for both DCC and Repository staff. It is thus not our policy to resolve every discrepancy that is observed in an integrity check. Specifically, we do not attempt to resolve minor or inconsequential discrepancies with published results or discrepancies that involve complex analyses, unless NIDDK Repository staff suspect that the observed discrepancy suggests that the dataset may have been corrupted in storage, transmission, or processing by repository staff. We do, however, document in footnotes to the integrity check those instances in which our secondary analyses produced results that were not fully consistent with those reported in the target publication.

## 2 Study Background

ACTIVE/ADIPOSE enrolled 752 prevalent hemodialysis patients aged 20 to 92 years old to investigate the association of baseline gait speed (measured in m/s) with mortality, hospitalization, need for activities of daily living (ADL) assistance, and SF-36 Physical Function score. After 12 months, those participants with baseline walk speed of 0.6 to <0.8 m/s had increased odds of hospitalization and ADL difficulty as compared to those with baseline walk speed  $\geq 1.0$  m/s. In addition, those unable to perform the walk or those walking <0.6 m/s had an increased rate of mortality compared to those walking  $\geq 6.0$  m/s. Because walking challenged the heart, lungs, and circulatory, nervous, and musculoskeletal systems, gait speed provides an informative marker of health status. The association of gait speed with HD patients' risk for functional decline warrants continued study.

## 3 Archived Datasets

All SAS data files, as provided by the Data Coordinating Center (DCC), are located in the ACTIVE/ADIPOSE data package. For this replication, variables were taken from the "masterfile.sas7bdat", "medicalrecord\_base.sas7bdat", "patientquestionnaire\_base.sas7bdat", "bodycomposition\_base.sas7bdat", "physicalmeasures\_base.sas7bdat", "medicalrecord\_12m.sas7bdat", and "patientquestionnaire\_12m.sas7bdat" datasets.

## 4 Statistical Methods

Analyses were performed to duplicate results for the data published by Kutner et al. in the American Journal of Kidney Disease in March 2015 [1].

To verify the integrity of the datasets, descriptive statistics were computed.

## 5 Results

Note that some minor discrepancies are expected, as investigator differences in handling cut-offs for the various gait speed categories may occur.

For Table 1 in the publication [1], Characteristics of HD Study Participants by Measured Baseline Gait Speed, Table A lists the variables that were used in the replication and Table B compares the results calculated from the archived data file to the results published in Table 1. The results of the replication are similar to the published results.

For Table 2 in the publication [1], Cumulative Prevalence of Slow Gait Speed by Age and Sex, Table C lists the variables that were used in the replication and Table D compares the results calculated from the archived data file to the results published in Table 2. The results of the replication are very similar to the published results.

For Table 4 in the publication [1], One-Year Outcomes by Baseline Gait Speed Category, Table E lists the variables that were used in the replication and Table F compares the results calculated from the archived data file to the results published in Table 4. The results of the replication are very similar to the published results.

## 6 Conclusions

The NIDDK repository is confident that the ACTIVE/ADIPOSE data files to be distributed are a true copy of the manuscript results.

## 7 References

[1] Kutner, N.G., Zhang, R., Huang, Y., and Painter, P. Gait Speed and Mortality, Hospitalization, and Functional Status Change among Hemodialysis Patients: A US Renal Data System Special Study. Am J Kidney Dis. 2015; 66(2):297-304.

**Table A:** Variables used to replicate Table 1: Characteristics of HD Study Participants by Measured Baseline Gait Speed

<b>Characteristic</b>	<b>dataset.variable</b>
Male sex	masterfile.sex
Age (y)	masterfile.age
Race	masterfile.race_all
At least high school	masterfile.educat
Current smoker	patientquestionnaire_base.smoke
BMI Category	bodycomposition_base.height, medicalrecord_base.pstwt_1, medicalrecord_base.pstwt_2, medicalrecord_base.pstwt_3
ESRD vintage (y)	masterfile.begdate, masterfile.enrollment_date
Diabetes	masterfile.dx_diab
COPD	masterfile.lungdis
Cancer	masterfile.neoplasm
CHF	masterfile.cong_h
CAD/MI	masterfile.chd_cad, masterfile.mi
CVA/TIA	masterfile.cerebrov, masterfile.tia
PVD	masterfile.pvd
Other cardiac diseases	masterfile.cardarr, masterfile.afib, masterfile.pericard, masterfile.angiogra, masterfile.cabg
KDQOL-CF score	patientquestionnaire_base.cogfun
Hemoglobin (g/dL)	medicalrecord_base.hemoglob
Predialysis SBP (mm Hg)	medicalrecord_base.pre_sbp, medicalrecord_base.pre_sbp2, medicalrecord_base.pre_sbp3
Fell in past 12 mo	patientquestionnaire_base.fall
Hospitalized in past 12 mo	medicalrecord_base.hosp_mr
ADL difficulty reported	patientquestionnaire_base.bathelim, patientquestionnaire_base.chairlim, patientquestionnaire_base.dresslim, patientquestionnaire_base.walklim
SF-36 PF score	patientquestionnaire_base.pf
Assistive walking device	physicalmeasures_base.device
Assistive device used for walk test	physicalmeasures_base.usedev

Characteristic	dataset.variable
Gait speed	physicalmeasures_base.wlkdon, physicalmeasures_base.time1, physicalmeasures_base.time2

**Table B:** Comparison of values computed in integrity check to reference article Table 1 values

Characteristic	Unable to Perform Walk Manuscript (n=83)	Unable to Perform Walk DSIC (n=83)	Difference (n=0)	<0.6 m/s Manuscript (n=94)	<0.6 m/s DSIC (n=93)	Difference (n=1)
Male sex	46%	46%	0%	40%	41%	1%
Age (y)	64.7 ± 12.9	64.7 ± 12.9	0 ± 0	65.0 ± 12.9	65.0 ± 13.0	0 ± 0.1
Race						
White	34%	36%	2%	12%	11%	1%
Black	45%	45%	0%	75%	75%	0%
Other	22%	19%	3%	14%	14%	0%
At least high school	76%	76%	0%	72%	72%	0%
Current smoker	9%	9%	0%	14%	14%	0%
BMI Category						
<18.5 kg/m <sup>2</sup>	4%	4%	0%	1%	1%	0%
18.5-<25 kg/m <sup>2</sup>	25%	24%	1%	33%	33%	0%
25-<30 kg/m <sup>2</sup>	27%	28%	1%	22%	23%	1%
>=30 kg/m <sup>2</sup>	44%	45%	1%	44%	43%	1%
ESRD vintage (y)	4.9 ± 4.3	4.9 ± 4.3	0 ± 0	4.9 ± 5.5	5.0 ± 5.5	0.1 ± 0
Diabetes	77%	77%	0%	65%	66%	1%
COPD	13%	13%	0%	12%	12%	0%
Cancer	10%	10%	0%	6%	5%	1%
CHF	45%	45%	0%	42%	42%	0%
CAD/MI	45%	45%	0%	44%	44%	0%
CVA/TIA	20%	19%	1%	15%	15%	0%
PVD	37%	37%	0%	8%	8%	0%
Other cardiac diseases	45%	46%	1%	36%	37%	1%
KDQOL-CF score	86.1 ± 18.9	86.1 ± 18.9	0 ± 0	86.0 ± 16.3	85.9 ± 16.3	0.1 ± 0
Hemoglobin (g/dL)	11.3 ± 1.3	11.3 ± 1.3	0 ± 0	11.5 ± 1.3	11.5 ± 1.3	0 ± 0
Predialysis SBP (mm Hg)	145 ± 23	145 ± 23	0 ± 0	151 ± 24	151 ± 24	0 ± 0

Characteristic	Unable to Perform Walk Manuscript (n=83)	Unable to Perform Walk DSIC (n=83)	Difference (n=0)	<0.6 m/s Manuscript (n=94)	<0.6 m/s DSIC (n=93)	Difference (n=1)
Fell in past 12 mo	39%	39%	0%	40%	41%	1%
Hospitalized in past 12 mo	66%	66%	0%	59%	59%	0%
ADL difficulty reported	73%	72%	1%	22%	23%	1%
SF-36 PF score	16.4 ± 21.5	16.4 ± 21.5	0 ± 0	32.6 ± 23.3	32.2 ± 23.2	0.4 ± 0.1
Assistive walking device	93%	93%	0%	70%	71%	1%
Assistive device used for walk test	NA	NA	NA	51%	51%	0%

Characteristic	0.6-<0.8 m/s Manuscript (n=139)	0.6-<0.8 m/s DSIC (n=137)	Difference (n=2)	0.8-<1.0 m/s Manuscript (n=208)	0.8-<1.0 m/s DSIC (n=208)	Difference (n=0)
Male sex	51.8%	51.1%	0.7%	63.5%	63%	0.5%
Age (y)	60.1 ± 13.4	60.3 ± 13.3	0.2 ± 0.1	56.8 ± 13.5	56.7 ± 13.5	0.1 ± 0
Race						
White	15.1%	16.1%	1%	22.1%	22.1%	0%
Black	74.8%	74.5%	0.3%	64.4%	64.9%	0.5%
Other	10.1%	9.5%	0.6%	13.5%	13.0%	0.5%
At least high school	65.9%	67.2%	1.3%	82.2%	81.3%	0.9%
Current smoker	25.4%	24.3%	1.1%	17.8%	18.3%	0.5%
BMI Category						
<18.5 kg/m <sup>2</sup>	1.4%	1.5%	0.1%	1.9%	1.9%	0%
18.5-<25 kg/m <sup>2</sup>	33.8%	33.6%	0.2%	37.5%	37.0%	0.5%
25-<30 kg/m <sup>2</sup>	30.2%	30.6%	0.4%	32.2%	32.2%	0%
>=30 kg/m <sup>2</sup>	34.5%	34.3%	0.2%	28.4%	28.9%	0.5%
ESRD vintage (y)	4.2 ± 4.3	4.3 ± 4.3	0.1 ± 0	5.8 ± 5.6	5.7 ± 5.6	0.1 ± 0
Diabetes	56.8%	56.9%	0.1%	47.6%	47.6%	0%
COPD	12.2%	12.4%	0.2%	7.7%	7.7%	0%
Cancer	9.4%	10.2%	0.8%	6.3%	6.3%	0%
CHF	24.5%	24.8%	0.3%	27.9%	27.9%	0%

Characteristic	0.6-<0.8 m/s Manuscript (n=139)	0.6-<0.8 m/s DSIC (n=137)	Difference (n=2)	0.8-<1.0 m/s Manuscript (n=208)	0.8-<1.0 m/s DSIC (n=208)	Difference (n=0)
CAD/MI	25.9%	26.3%	0.4%	26.4%	26.4%	0%
CVA/TIA	10.8%	11.0%	0.2%	10.1%	10.1%	0%
PVD	10.8%	11.0%	0.2%	5.3%	5.3%	0%
Other cardiac diseases	25.2%	25.6%	0.4%	26.9%	24.5%	2.4%
KDQOL-CF score	83.0 ± 19.1	83.2 ± 18.8	0.2 ± 0.3	90.0 ± 15.2	89.8 ± 15.5	0.2 ± 0.3
Hemoglobin (g/dL)	11.6 ± 1.3	11.6 ± 1.3	0 ± 0	11.5 ± 1.4	11.5 ± 1.4	0 ± 0
Predialysis SBP (mm Hg)	154 ± 22	153 ± 21	1 ± 1	155 ± 25	155 ± 25	0 ± 0
Fell in past 12 mo	33.3%	33.1%	0.2%	25.0%	25.5%	0.5%
Hospitalized in past 12 mo	52.5%	51.8%	0.7%	44.7%	45.7%	1%
ADL difficulty reported	16.7%	16.1%	0.6%	11.1%	11.1%	0%
SF-36 PF score	47.2 ± 27.9	46.8 ± 27.5	0.4 ± 0.4	61.6 ± 24.7	61.5 ± 24.8	0.1 ± 0.1
Assistive walking device	27.5%	27.9%	0.4%	8.7%	8.7%	0%
Assistive device used for walk test	10.4%	10.5%	0.1%	3.9%	3.9%	0%

Characteristic	>=1.0 m/s Manuscript (n=228)	>=1.0 m/s DSIC (n=231)	Difference (n=3)
Male sex	73.7%	74%	0.3%
Age (y)	50.0 ± 12.7	50.1 ± 12.8	0.1 ± 0.1
Race			
White	30.7%	30.3%	0.4%
Black	51.3%	51.5%	0.2%
Other	18.0%	17.8%	0.2%
At least high school	79.0%	79.2%	0.2%
Current smoker	18.9%	19.1%	0.3%
BMI Category			



Characteristic	$\geq 1.0$ m/s Manuscript (n=228)	$\geq 1.0$ m/s DSIC (n=231)	Difference (n=3)
<18.5 kg/m <sup>2</sup>	3.1%	3.1%	0%
18.5-<25 kg/m <sup>2</sup>	41.4%	42.1%	0.3%
25-<30 kg/m <sup>2</sup>	26.4%	26.3%	0.1%
$\geq 30$ kg/m <sup>2</sup>	29.1%	28.5%	0.6%
ESRD vintage (y)	4.7 $\pm$ 5.0	4.7 $\pm$ 5.0	0 $\pm$ 0
Diabetes	36.3%	36.2%	0.1%
COPD	2.7%	2.6%	0.1%
Cancer	8.4%	8.30%	0.1%
CHF	22.6%	22.3%	0.3%
CAD/MI	18.1%	17.8%	0.3%
CVA/TIA	5.3%	5.2%	0.1%
PVD	4.4%	4.4%	0%
Other cardiac diseases	15.5%	14.3%	1.2%
KDQOL-CF score	90.1 $\pm$ 14.7	90.1 $\pm$ 14.7	0 $\pm$ 0
Hemoglobin (g/dL)	11.6 $\pm$ 1.3	11.6 $\pm$ 1.3	0 $\pm$ 0
Predialysis SBP (mm Hg)	150 $\pm$ 21	150 $\pm$ 21	0 $\pm$ 0
Fell in past 12 mo	19.7%	19.5%	0.2%
Hospitalized in past 12 mo	39.0%	38.5%	0.5%
ADL difficulty reported	4.4%	4.8%	0.4%
SF-36 PF score	74.5 $\pm$ 22.4	74.5 $\pm$ 22.4	0 $\pm$ 0
Assistive walking device	3.5%	3.5%	0%
Assistive device used for walk test	0.9%	0.9%	0%

**Table C:** Variables used to replicate Table 2: Cumulative Prevalence of Slow Gait Speed by Age and Sex

Characteristic	dataset.variable
Age	masterfile.age
Sex	masterfile.sex
Baseline gait speed	physicalmeasures_base.time1, physicalmeasures_base.time2

**Table D:** Comparison of values computed in integrity check to reference article Table 2 values

	<0.6 m/s Manuscript	<0.6 m/s DSIC	Difference	<0.8 m/s Manuscript	<0.8 m/s DSIC	Difference	<1.0 m/s Manuscript	<1.0 m/s DSIC	Difference
Men									
Age <50 y	6%	6%	0%	16.9%	16.2%	0.7%	42.4%	41.6%	0.6%
Age 50-64 y	6%	6%	0%	25.0%	24.4%	0.6%	61.6%	61.1%	0.5%
Age 65-74 y	14%	13%	1%	36.5%	36.5%	0%	73.1%	71.2%	0.9%
Age >=75 y	27%	27%	0%	54.5%	54.6%	0.1%	86.4%	86.4%	0%
Women									
Age <50 y	5%	5%	0%	23.1%	21.5%	1.6%	52.3%	52.3%	0%
Age 50-64 Y	20%	20%	0%	44.7%	44.7%	0%	80.7%	80.7%	0%
Age 65-74 y	36%	34%	2%	70.5%	70.5%	0%	88.5%	88.5%	0%
Age >=75 y	42%	42%	0%	73.7%	73.7%	0%	100%	100%	0%

**Table E:** Variables used to replicate Table 4: One-Year Outcomes by Baseline Gait Speed Category

Characteristic	dataset.variable
New hospitalization	medicalrecord_12m.hosp_mr
ADL difficulty reported	patientquestionnaire_12m.bathelim, patientquestionnaire_12m.chairlim, patientquestionnaire_12m.dresslim, patientquestionnaire_12m.walklim
SF-36 PF score	patientquestionnaire_12m.pf
Baseline gait speed	physicalmeasures_base.time1, physicalmeasures_base.time2

**Table F:** Comparison of values computed in integrity check to reference Table 4 values

12-mo Outcome	0.6-<0.8 m/s Manuscript (n=116)	0.6-<0.8 m/s DSIC (n=115)	Difference (n=1)	0.8-<1.0 m/s Manuscript (n=181)	0.8-<1.0 m/s DSIC (n=180)	Difference (n=1)
New hospitalization						
No. (%)	62 (53.5)	60 (52.6)	2 (0.9)	95 (52.5)	96 (53.3)	1 (0.8)
ADL difficulty reported						
No. (%)	21 (18.3)	19 (16.5)	2 (1.8)	18 (10.1)	19 (10.6)	1 (0.5)
SF-36 PF score						
Mean $\pm$ SD	44.8 $\pm$ 29.4	44.6 $\pm$ 28.6	0.2 $\pm$ 0.8	59.7 $\pm$ 26.5	59.5 $\pm$ 27	0.2 $\pm$ 0.5

12-mo Outcome	$\geq$ 1.0 m/s Manuscript (n=169)	$\geq$ 1.0 m/s DSIC (n=172)	Difference (n=3)
New hospitalization			
No. (%)	63 (37.3)	63 (36.6)	0 (0.7)
ADL difficulty reported			
No. (%)	8 (4.8)	8 (4.7)	0 (0.1)
SF-36 PF score			
Mean $\pm$ SD	73.3 $\pm$ 24.6	73.3 $\pm$ 24.5	0 $\pm$ 0.1

# Appendix A: SAS Code

```
**** DSIC for ACTIVE-ADIPOSE Data;
****
**** Programmer: Allyson Mateja
**** Date: April 28, 2016;

title1 "%sysfunc(getoption(sysin))";
title2 " ";

options nofmterr;

proc format;
  value $sexf '1' = 'Male'
             '2' = 'Female';

  value speedf . = 'Unable to Perform Walk'
              0 <- 0.6 = '<0.6'
              0.6 <- 0.8 = '0.6 - < 0.8'
              0.8 <- 1.0 = '0.8 - < 1.0'
              1.0 - HIGH = '>= 1.0';

  value racef 1 = 'White'
             2 = 'Black'
             3-6 = 'Other';

  value educatf 1-3 = 'Did not finish high school'
              4-9 = 'Finished at least high school';

  value smokef 1, 2 = 'Yes'
              3 = 'No';

  value yesnof 0 = 'No'
              1 = 'Yes'
              2 = 'No'
              ., 9 = 'Unknown';

  value yesno2f 1 = 'No'
              2 = 'Yes'
              9 = 'Unknown';

  value bmif 0<-18.5 = '<18.5'
            18.5<-25 = '18.5-<25'
            25<-30 = '25-<30'
            30- HIGH = '>=30';

  value walkf 1 = '<0.6 m/s'
            2 = '<0.8 m/s'
            3 = '<1.0 m/s'
            4 = '>= 1.0 m/s';

libname disc2 '/prj/niddk/ims_analysis/ACTIVE_ADIPOSE/private_orig_data/ActiveAdipose_data/Disc2/';
libname disc1 '/prj/niddk/ims_analysis/ACTIVE_ADIPOSE/private_orig_data/ActiveAdipose_data/Disc1/';
```

```

data masterfile;
    set disc2.masterfile;

data physical;
    set disc2.physicalmeasures_base;

data patient;
    set disc2.patientquestionnaire_base;

data bodycomp;
    set disc2.bodycomposition_base;

data medicalrecord;
    set disc2.medicalrecord_base;

proc print data=masterfile;
    where usrds_id in (2560337, 2951882);

proc sort data=masterfile;
    by USRDS_ID;

proc sort data=patient;
    by USRDS_ID;

proc sort data=physical;
    by USRDS_ID;

proc sort data=bodycomp;
    by USRDS_ID;

proc sort data=medicalrecord;
    by USRDS_ID;

proc contents data=masterfile;
proc contents data=physical;
proc contents data=patient;
proc contents data=bodycomp;
proc contents data=medicalrecord;

proc freq data=physical;
    tables wlkdon /missing;

data physical;
    set physical;
    where wlkdon ne .;
    speed1 = 4.572/time1;
    speed2 = 4.572/time2;
    if wlkdon = 1 then do;
        if speed1 ne . and speed2 ne . then avg_speed = (speed1+speed2)/2;
        else if speed1 ne . and speed2 = . then avg_speed = speed1;
        else if speed1 = . and speed2 ne . then avg_speed = speed2;
    end;
    else avg_speed = .;

proc freq data=physical;

```

```

tables avg_speed / missing;
format avg_speed speedf.;
title3 'Table 1 - Baseline Measured Walking Speed';

data unable_to_walk time_6 time_6_8 time_8_1 time_1;
set physical;
if avg_speed = . then output unable_to_walk;
else if 0 <= avg_speed < 0.6 then output time_6;
else if 0.6 <= avg_speed < 0.8 then output time_6_8;
else if 0.8 <= avg_speed < 1.0 then output time_8_1;
else if avg_speed >= 1 then output time_1;

proc sort data=unable_to_walk;
by USRDS_ID;

data unable_to_walk;
merge unable_to_walk (in=vall)
      masterfile
      bodycomp
      patient
      medicalrecord;

by USRDS_ID;
if chd_cad = 1 or mi = 1 then cad_mi = 1;
else cad_mi = 0;
if cerebrov = 1 or tia=1 then cva_tia=1;
else cva_tia=0;
sbp = (pre_sbp + pre_sbp2 + pre_sbp3)/3;
weight=(pstwt_1+pstwt_2+pstwt_3)/3;
bmi = weight/((height*0.01)**2);
if cardarr=1 or afib=1 or pericard=1 or angina=1 or angiogra=1 or cabg=1 then other_cardiac=1;
else other_cardiac=0;
if bathelim in (1,3) or chairlim in (1,3) or dresslim in (1,3) or walklim in (1,3) then adl_diff=1;
else adl_diff=0;
esrd_vintage = (abs (begdate-enrollment_date))/365.25;
if vall then output unable_to_walk;

proc freq data=unable_to_walk;
table sex;
format sex $sexf.;
title3 'Table1 - Unable to perform walk, sex';

proc means data=unable_to_walk mean std;
var age;
title3 'Table1 - Unable to perform walk, age';

proc freq data=unable_to_walk;
tables race_all;
format race_all racef.;
title3 'Table1 - Unable to perform walk, race';

proc freq data=unable_to_walk;
tables educat;
format educat educatf.;
title3 'Table1 - Unable to perform walk, at least high school';

proc freq data=unable_to_walk;

```

```

    tables bmi;
    format bmi bmif.;
    title3 'Table1 - Unable to perform walk, BMI category';

proc freq data=unable_to_walk;
    tables smoke;
    format smoke smokef.;
    title3 'Table1 - Unable to perform walk, current smoker';

proc means data=unable_to_walk mean std;
    var esrd_vintage;
    title3 'Table1 - Unable to perform walk, ESRD vintage';

proc freq data=unable_to_walk;
    tables dx_diab;
    format dx_diab yesno2f.;
    title3 'Table1 - Unable to perform walk, diabetes';

proc freq data=unable_to_walk;
    tables lungdis;
    format lungdis yesnof.;
    title3 'Table1 - Unable to perform walk, COPD';

proc freq data=unable_to_walk;
    tables neoplasm;
    format neoplasm yesnof.;
    title3 'Table1 - Unable to perform walk, cancer';

proc freq data=unable_to_walk;
    tables cong_h;
    format cong_h yesnof.;
    title3 'Table1 - Unable to perform walk, CHF';

proc freq data=unable_to_walk;
    tables cad_mi;
    format cad_mi yesnof.;
    title3 'Table1 - Unable to perform walk, CAD/MI';

proc freq data=unable_to_walk;
    tables cva_tia;
    format cva_tia yesnof.;
    title3 'Table1 - Unable to perform walk, CVD/TIA';

proc freq data=unable_to_walk;
    tables pvd;
    format pvd yesnof.;
    title3 'Table1 - Unable to perform walk, PVD';

proc freq data=unable_to_walk;
    tables other_cardiac;
    format other_cardiac yesnof.;
    title3 'Table1 - Unable to perform walk, Other cardiac diseases';

proc means data=unable_to_walk mean std;
    var cogfun;
    title3 'Table1 - Unable to perform walk, KDQOL-CF score';

```

```

proc means data=unable_to_walk mean std;
  var hemoglob;
  title3 'Table1 - Unable to perform walk, hemoglobin';

proc means data=unable_to_walk mean std;
  var sbp;
  title3 'Table1 - Unable to perform walk, predialysis SBP';

proc freq data=unable_to_walk ;
  tables fall;
  format fall yesnof.;
  title3 'Table1 - Unable to perform walk, Fell in past 12 mos';

proc freq data=unable_to_walk ;
  tables hosp_mr;
  format hosp_mr yesno2f.;
  title3 'Table1 - Unable to perform walk, Hospitalized in past 12 mos';

proc freq data=unable_to_walk;
  tables adl_diff;
  format adl_diff yesnof.;
  title3 'Table1 - Unable to perform walk, ADL difficulty reported';

proc means data=unable_to_walk mean std;
  var pf;
  title3 'Table1 - Unable to perform walk, SF-36 PF score';

proc freq data=unable_to_walk;
  tables device;
  format device yesnof.;
  title3 'Table1 - Unable to perform walk, assistive walking device';

proc freq data=unable_to_walk;
  tables usedev;
  format usedev yesnof.;
  title3 'Table1 - Unable to perform walk, assistive device used for walk';

proc sort data=time_6;
  by USRDS_ID;

data time_6;
  merge time_6 (in=vall)
          masterfile
          bodycomp
          patient
          medicalrecord;

  by USRDS_ID;
  if chd_cad = 1 or mi = 1 then cad_mi = 1;
  else cad_mi = 0;
  if cerebrov = 1 or tia=1 then cva_tia=1;
  else cva_tia=0;
  sbp = (pre_sbp + pre_sbp2 + pre_sbp3)/3;
  weight=(pstwt_1+pstwt_2+pstwt_3)/3;
  bmi = weight/((height*0.01)**2);
  if cardarr=1 or afib=1 or pericard=1 or angina=1 or angiogra=1 or cabg=1 then other_cardiac=1;

```



```

else other_cardiac=0;
if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
else adl_diff=0;
esrd_vintage = (abs (begdate-enrollment_date))/365.25;
if vall then output time_6;

proc freq data=time_6;
table sex;
format sex $sexf.;
title3 'Table1 - <0.6 m/s, sex';

proc means data=time_6 mean std;
var age;
title3 'Table1 - <0.6 m/s, age';

proc freq data=time_6;
tables race_all;
format race_all racef.;
title3 'Table1 - <0.6 m/s, race';

proc freq data=time_6;
tables educat;
format educat educatf.;
title3 'Table1 - <0.6 m/s, at least high school';

proc freq data=time_6;
tables bmi;
format bmi bmif.;
title3 'Table1 - <0.6 m/s, BMI category';

proc freq data=time_6;
tables smoke;
format smoke smokef.;
title3 'Table1 - <0.6 m/s, current smoker';

proc means data=time_6 mean std;
var esrd_vintage;
title3 'Table1 - <0.6 m/s, ESRD vintage';

proc freq data=time_6;
tables dx_diab;
format dx_diab yesno2f.;
title3 'Table1 - <0.6 m/s, diabetes';

proc freq data=time_6;
tables lungdis;
format lungdis yesnof.;
title3 'Table1 - <0.6 m/s, COPD';

proc freq data=time_6;
tables neoplasm;
format neoplasm yesnof.;
title3 'Table1 - <0.6 m/s, cancer';

proc freq data=time_6;
tables cong_h;

```

```

format cong_h yesnof.;
title3 'Table1 - <0.6 m/s, CHF';

proc freq data=time_6;
tables cad_mi;
format cad_mi yesnof.;
title3 'Table1 - <0.6 m/s, CAD/MI';

proc freq data=time_6;
tables cva_tia;
format cva_tia yesnof.;
title3 'Table1 - <0.6 m/s, CVD/TIA';

proc freq data=time_6;
tables pvd;
format pvd yesnof.;
title3 'Table1 - <0.6 m/s, PVD';

proc freq data=time_6;
tables other_cardiac;
format other_cardiac yesnof.;
title3 'Table1 - <0.6 m/s, Other Cardiac Disease';

proc means data=time_6 mean std;
var cogfun;
title3 'Table1 - <0.6 m/s, KDQOL-CF score';

proc means data=time_6 mean std;
var hemoglob;
title3 'Table1 - <0.6 m/s, hemoglobin';

proc means data=time_6 mean std;
var sbp;
title3 'Table1 - <0.6 m/s, predialysis SBP';

proc freq data=time_6 ;
tables fall;
format fall yesnof.;
title3 'Table1 - <0.6 m/s, Fell in past 12 mos';

proc freq data=time_6 ;
tables hosp_mr;
format hosp_mr yesno2f.;
title3 'Table1 - <0.6 m/s, Hospitalized in past 12 mos';

proc freq data=time_6 ;
tables adl_diff;
format adl_diff yesnof.;
title3 'Table1 - <0.6 m/s, ADL Difficulty';

proc means data=time_6 mean std;
var pf;
title3 'Table1 - <0.6 m/s, SF-36 PF score';

proc freq data=time_6;
tables device;

```

```

format device yesnof.;
title3 'Table1 - <0.6 m/s, assistive walking device';

proc freq data=time_6;
tables usedev;
format usedev yesnof.;
title3 'Table1 - <0.6 m/s, assistive device used for walk';

proc sort data=time_6_8;
by USRDS_ID;

data time_6_8;
merge time_6_8 (in=vall)
            masterfile
            bodycomp
            patient
            medicalrecord;

by USRDS_ID;
if chd_cad = 1 or mi = 1 then cad_mi = 1;
else cad_mi = 0;
if cerebrov = 1 or tia=1 then cva_tia=1;
else cva_tia=0;
sbp = (pre_sbp + pre_sbp2 + pre_sbp3)/3;
weight=(pstwt_1+pstwt_2+pstwt_3)/3;
bmi = weight/((height*0.01)**2);
if cardarr=1 or afib=1 or pericard=1 or angina=1 or angiogra=1 or cabg=1 then other_cardiac=1;
else other_cardiac=0;
if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
else adl_diff=0;
esrd_vintage = (abs (begdate-enrollment_date))/365.25;
if vall then output time_6_8;

proc freq data=time_6_8;
table sex;
format sex $sexf.;
title3 'Table1 - 0.6-<0.8 m/s, sex';

proc means data=time_6_8 mean std;
var age;
title3 'Table1 - 0.6-<0.8 m/s, age';

proc freq data=time_6_8;
tables race_all;
format race_all racef.;
title3 'Table1 - 0.6-<0.8 m/s, race';

proc freq data=time_6_8;
tables educat;
format educat educatf.;
title3 'Table1 - 0.6-<0.8 m/s, at least high school';

proc freq data=time_6_8;
tables smoke;
format smoke smokef.;
title3 'Table1 - 0.6-<0.8 m/s, current smoker';

```

```

proc freq data=time_6_8;
  tables bmi;
  format bmi bmif.;
  title3 'Table1 - 0.6-<0.8 m/s, BMI Category';

proc means data=time_6_8 mean std;
  var esrd_vintage;
  title3 'Table1 - 0.6-<0.8 m/s, ESRD vintage';

proc freq data=time_6_8;
  tables dx_diab;
  format dx_diab yesno2f.;
  title3 'Table1 - 0.6-<0.8 m/s, diabetes';

proc freq data=time_6_8;
  tables neoplasm;
  format neoplasm yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, cancer';

proc freq data=time_6_8;
  tables lungdis;
  format lungdis yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, COPD';

proc freq data=time_6_8;
  tables cong_h;
  format cong_h yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, CHF';

proc freq data=time_6_8;
  tables cad_mi;
  format cad_mi yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, CAD/MI';

proc freq data=time_6_8;
  tables cva_tia;
  format cva_tia yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, CVD/TIA';

proc freq data=time_6_8;
  tables pvd;
  format pvd yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, PVD';

proc freq data=time_6_8;
  tables other_cardiac;
  format other_cardiac yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, Other cardiac disease';

proc means data=time_6_8 mean std;
  var cogfun;
  title3 'Table1 - 0.6-<0.8 m/s, KDQOL-CF score';

proc means data=time_6_8 mean std;
  var hemoglob;
  title3 'Table1 - 0.6-<0.8 m/s, hemoglobin';

```

```

proc means data=time_6_8 mean std;
  var sbp;
  title3 'Table1 - 0.6-<0.8 m/s, predialysis SBP';

proc freq data=time_6_8 ;
  tables fall;
  format fall yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, Fell in past 12 mos';

proc freq data=time_6_8 ;
  tables hosp_mr;
  format hosp_mr yesno2f.;
  title3 'Table1 - 0.6-<0.8 m/s, Hospitalized in past 12 mos';

proc freq data=time_6_8;
  tables adl_diff;
  format adl_diff yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, ADL Difficulty Reported';

proc means data=time_6_8 mean std;
  var pf;
  title3 'Table1 - 0.6-<0.8 m/s, SF-36 PF score';

proc freq data=time_6_8;
  tables device;
  format device yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, assistive walking device';

proc freq data=time_6_8;
  tables usedev;
  format usedev yesnof.;
  title3 'Table1 - 0.6-<0.8 m/s, assistive device used for walk';

proc sort data=time_8_1;
  by USRDS_ID;

data time_8_1;
  merge time_8_1 (in=vall)
           masterfile
           bodycomp
           patient
           medicalrecord;

  by USRDS_ID;
  if chd_cad = 1 or mi = 1 then cad_mi = 1;
  else cad_mi = 0;
  if cerebrov = 1 or tia=1 then cva_tia=1;
  else cva_tia=0;
  sbp = (pre_sbp + pre_sbp2 + pre_sbp3)/3;
  weight=(pstwt_1+pstwt_2+pstwt_3)/3;
  bmi = weight/((height*0.01)**2);
  if cardarr=1 or afib=1 or pericard=1 or angina=1 or angiogra=1 or cabg=1 then other_cardiac=1;
  else other_cardiac=0;
  if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
  else adl_diff=0;
  esrd_vintage = (abs (begdate-enrollment_date))/365.25;

```

```

if vall then output time_8_1;

proc freq data=time_8_1;
  table sex;
  format sex $sexf.;
  title3 'Table1 - 0.8-<1.0 m/s, sex';

proc means data=time_8_1 mean std;
  var age;
  title3 'Table1 - 0.8-<1.0 m/s, age';

proc freq data=time_8_1;
  tables race_all;
  format race_all racef.;
  title3 'Table1 - 0.8-<1.0 m/s, race';

proc freq data=time_8_1;
  tables educat;
  format educat educatf.;
  title3 'Table1 - 0.8-<1.0 m/s, at least high school';

proc freq data=time_8_1;
  tables smoke;
  format smoke smokef.;
  title3 'Table1 - 0.8-<1.0 m/s, current smoker';

proc freq data=time_8_1;
  tables bmi;
  format bmi bmif.;
  title3 'Table1 -0.8-<1.0 m/s, BMI Category';

proc means data=time_8_1 mean std;
  var esrd_vintage;
  title3 'Table1 - 0.8-<1.0 m/s, ESRD vintage';

proc freq data=time_8_1;
  tables dx_diab;
  format dx_diab yesno2f.;
  title3 'Table1 - 0.8-<1.0 m/s, diabetes';

proc freq data=time_8_1;
  tables lungdis;
  format lungdis yesnof.;
  title3 'Table1 - 0.8-<1.0 m/s, COPD';

proc freq data=time_8_1;
  tables neoplasm;
  format neoplasm yesnof.;
  title3 'Table1 - 0.8-<1.0 m/s, cancer';

proc freq data=time_8_1;
  tables cong_h;
  format cong_h yesnof.;
  title3 'Table1 - 0.8-<1.0 m/s, CHF';

proc freq data=time_8_1;

```

```

tables cad_mi;
format cad_mi yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, CAD/MI';

proc freq data=time_8_1;
tables cva_tia;
format cva_tia yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, CVD/TIA';

proc freq data=time_8_1;
tables pvd;
format pvd yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, PVD';

proc freq data=time_8_1;
tables other_cardiac;
format other_cardiac yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, Other cardiac disease';

proc means data=time_8_1 mean std;
var cogfun;
title3 'Table1 - 0.8-<1.0 m/s, KDQOL-CF score';

proc means data=time_8_1 mean std;
var hemoglob;
title3 'Table1 - 0.8-<1.0 m/s, hemoglobin';

proc means data=time_8_1 mean std;
var sbp;
title3 'Table1 - 0.8-<1.0 m/s, predialysis SBP';

proc freq data=time_8_1 ;
tables fall;
format fall yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, Fell in past 12 mos';

proc freq data=time_8_1 ;
tables hosp_mr;
format hosp_mr yesno2f.;
title3 'Table1 - 0.8-<1.0 m/s, Hospitalized in past 12 mos';

proc freq data=time_8_1;
tables adl_diff;
format adl_diff yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, ADL Difficulty';

proc means data=time_8_1 mean std;
var pf;
title3 'Table1 - 0.8-<1.0 m/s, SF-36 PF score';

proc freq data=time_8_1;
tables device;
format device yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, assistive walking device';

proc freq data=time_8_1;

```

```

tables usedev;
format usedev yesnof.;
title3 'Table1 - 0.8-<1.0 m/s, assistive device used for walk';

proc sort data=time_1;
  by USRDS_ID;

data time_1;
  merge time_1 (in=vall)
          masterfile
          bodycomp
          patient
          medicalrecord;

  by USRDS_ID;
  if chd_cad = 1 or mi = 1 then cad_mi = 1;
  else cad_mi = 0;
  if cerebrov = 1 or tia=1 then cva_tia=1;
  else cva_tia=0;
  sbp = (pre_sbp + pre_sbp2 + pre_sbp3)/3;
  weight=(pstwt_1+pstwt_2+pstwt_3)/3;
  bmi = weight/((height*0.01)**2);
  if cardarr=1 or afib=1 or pericard=1 or angina=1 or angiogra=1 or cabg=1 then other_cardiac=1;
  else other_cardiac=0;
  if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
  else adl_diff=0;
  esrd_vintage = (abs (begdate-enrollment_date))/365.25;
  if v all then output time_1;

proc freq data=time_1;
  table sex;
  format sex $sexf.;
  title3 'Table1 - >=1.0 m/s, sex';

proc means data=time_1 mean std;
  var age;
  title3 'Table1 - >=1.0 m/s, age';

proc freq data=time_1;
  tables race_all;
  format race_all racef.;
  title3 'Table1 - >=1.0 m/s, race';

proc freq data=time_1;
  tables educat;
  format educat educatf.;
  title3 'Table1 - >=1.0 m/s, at least high school';

proc freq data=time_1;
  tables smoke;
  format smoke smokef.;
  title3 'Table1 - >=1.0 m/s, current smoker';

proc freq data=time_1;
  tables bmi;
  format bmi bmif.;
  title3 'Table1 - >=1.0 m/s, BMI Category';

```



```

proc means data=time_1 mean std;
  var esrd_vintage;
  title3 'Table1 - >=1.0 m/s, ESRD vintage';

proc freq data=time_1;
  tables dx_diab;
  format dx_diab yesno2f.;
  title3 'Table1 - >=1.0 m/s, diabetes';

proc freq data=time_1;
  tables lungdis;
  format lungdis yesnof.;
  title3 'Table1 - >=1.0 m/s, COPD';

proc freq data=time_1;
  tables neoplasm;
  format neoplasm yesnof.;
  title3 'Table1 - >=1/0 m/s, cancer';

proc freq data=time_1;
  tables cong_h;
  format cong_h yesnof.;
  title3 'Table1 - >=1.0 m/s, CHF';

proc freq data=time_1;
  tables cad_mi;
  format cad_mi yesnof.;
  title3 'Table1 - >=1.0 m/s, CAD/MI';

proc freq data=time_1;
  tables cva_tia;
  format cva_tia yesnof.;
  title3 'Table1 - >=1.0 m/s, CVD/TIA';

proc freq data=time_1;
  tables pvd;
  format pvd yesnof.;
  title3 'Table1 - >=1.0 m/s, PVD';

proc freq data=time_1;
  tables other_cardiac;
  format other_cardiac yesnof.;
  title3 'Table1 - >=1.0 m/s, Other cardiac';

proc means data=time_1 mean std;
  var cogfun;
  title3 'Table1 - >=1.0 m/s, KDQOL-CF score';

proc means data=time_1 mean std;
  var hemoglob;
  title3 'Table1 - >=1.0 m/s, hemoglobin';

proc means data=time_1 mean std;
  var sbp;
  title3 'Table1 - >=1.0 m/s, predialysis SBP';

```

```

proc freq data=time_1 ;
    tables fall;
    format fall yesnof.;
    title3 'Table1 - >=1.0 m/s, Fell in past 12 mos';

proc freq data=time_1 ;
    tables hosp_mr;
    format hosp_mr yesno2f.;
    title3 'Table1 - >=1.0 m/s, Hospitalized in past 12 mos';

proc freq data=time_1;
    tables adl_diff;
    format adl_diff yesnof.;
    title3 'Table1 - >=1.0 m/s, ADL difficulty';

proc means data=time_1 mean std;
    var pf;
    title3 'Table1 - >=1.0 m/s, SF-36 PF score';

proc freq data=time_1;
    tables device;
    format device yesnof.;
    title3 'Table1 - >=1.0 m/s, assistive walking device';

proc freq data=time_1;
    tables usedev;
    format usedev yesnof.;
    title3 'Table1 - >=1.0 m/s, assistive device used for walk';

**** Table 2;

data table2;
    set time_6    (in=val1)
        time_6_8 (in=val2)
        time_8_1 (in=val3)
        time_1    (in=val4);
    if val1 then walk_cat = 1;
    else if val2 then walk_cat = 2;
    else if val3 then walk_cat = 3;
    else if val4 then walk_cat = 4;

data male_under_50 male_50_64 male_65_74 male_over_75
    female_under_50 female_50_64 female_65_74 female_over_75 other;
    set table2;
    if sex = 1 and age < 50 then output male_under_50;
    else if sex = 1 and 50 <= age < 65 then output male_50_64;
    else if sex = 1 and 65 <= age < 75 then output male_65_74;
    else if sex = 1 and age >= 75 then output male_over_75;
    else if sex = 2 and age < 50 then output female_under_50;
    else if sex = 2 and 50 <= age < 65 then output female_50_64;
    else if sex = 2 and 65 <= age < 75 then output female_65_74;
    else if sex = 2 and age >= 75 then output female_over_75;
    else output other;

proc print data=other;

```

```

var usrds_id sex age walk_cat;

proc freq data=male_under_50;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Males Age < 50 y';

proc freq data=male_50_64;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Males Age 50-64 y';

proc freq data=male_65_74;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Males Age 65-74 y';

proc freq data=male_over_75;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Males Age >= 75 y';

proc freq data=female_under_50;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Females Age < 50 y';

proc freq data=female_50_64;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Females Age 50-64 y';

proc freq data=female_65_74;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Females Age 65-74 y';

proc freq data=female_over_75;
  tables walk_cat;
  format walk_cat walkf.;
  title3 'Table 2 - Females Age >= 75 y';

**** Table 4;

data physical_12m;
  set disc2.physicalmeasures_12m;

data patient_12m;
  set disc2.patientquestionnaire_12m;

data bodycomp_12m;
  set disc2.bodycomposition_12m;

data medicalrecord_12m;
  set disc2.medicalrecord_12m;

```

```

proc sort data=patient_12m;
  by USRDS_ID;

proc sort data=physical_12m;
  by USRDS_ID;

proc sort data=bodycomp_12m;
  by USRDS_ID;

proc sort data=medicalrecord_12m;
  by USRDS_ID;

data time_6_8;
  merge time_6_8 (in=val1 keep=usrds_id followup_date_12m end_date)
        patient_12m (in=val2)
        physical_12m
        bodycomp_12m
        medicalrecord_12m;
  by usrds_id;
  if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
  else adl_diff=0;
  if val1 and val2 and followup_date_12m ne . then do;
    if end_date = . then output time_6_8;
  else if end_date > followup_date_12m then output time_6_8;
  end;

proc freq data=time_6_8;
  tables hosp_mr;
  format hosp_mr yesno2f.;
  title3 'Table4 - 0.6-<0.8 m/s New hospitalization';

proc freq data=time_6_8;
  tables adl_diff;
  format adl_diff yesnof.;
  title3 'Table4 - 0.6-<0.8 m/s ADL difficulty reported';

proc means data=time_6_8 mean std;
  var pf;
  title3 'Table4 - 0.6-<0.8 m/s SF-36 PF score';

data time_8_1;
  merge time_8_1 (in=val1 keep=usrds_id followup_date_12m end_date)
        patient_12m (in=val2)
        physical_12m
        bodycomp_12m
        medicalrecord_12m;
  by usrds_id;
  if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
  else adl_diff=0;
  if val1 and val2 and followup_date_12m ne . then do;
    if end_date = . then output time_8_1;
  else if end_date > followup_date_12m then output time_8_1;
  end;

proc freq data=time_8_1;
  tables hosp_mr;

```

```

format hosp_mr yesno2f.;
title3 'Table4 - 0.8-<1.0 m/s New hospitalization';

proc freq data=time_8_1;
  tables adl_diff;
  format adl_diff yesnof.;
  title3 'Table4 - 0.8-<1.0 m/s ADL difficulty reported';

proc means data=time_8_1 mean std;
  var pf;
  title3 'Table4 - 0.8-<1.0 m/s SF-36 PF score';

data time_1;
  merge time_1 (in=val1 keep=usrds_id followup_date_12m end_date)
        patient_12m (in=val2)
        physical_12m
        bodycomp_12m
        medicalrecord_12m;
  by usrds_id;
  if bathelim=1 or chairlim=1 or dresslim=1 or walklim=1 then adl_diff=1;
  else adl_diff=0;
  if val1 and val2 and followup_date_12m ne . then do;
    if end_date = . then output time_1;
    else if end_date > followup_date_12m then output time_1;
  end;

proc freq data=time_1;
  tables hosp_mr;
  format hosp_mr yesno2f.;
  title3 'Table4 - >=1 m/s New hospitalization';

proc freq data=time_1;
  tables adl_diff;
  format adl_diff yesnof.;
  title3 'Table4 - >=1 m/s ADL difficulty reported';

proc means data=time_1 mean std;
  var pf;
  title3 'Table4 - >=1 m/s SF-36 PF score';

```