**PAC Caregiving Revise and Resubmit Project Documentation – NHATS Portion**

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# Goal

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# Goal

This document provides details on changes from analysis from PAC Caregiving Interim Project Documentation.

### Analysis questions:

In addition to those already documented in PAC Caregiving Interim Project Documentation, reviewers requested:

* #hours of informal care
* #who received informal care

# Sample Definition

\*Unchanged from PAC Caregiving Interim Project Documentation

# Data Sources

MERGED DATA FROM NHATS AND CMS (Created in PAC Caregiving Interim Project Documentation)

/PATH/norma\_cohort\_20210517.csv

NHATS ROUND 5 OP FILE – DOWNLOADED ONLINE, THEN READ IN TXT FILE WITH SAS CODE TO CREATE DATASET /PATH/OPFILE.sas7bdat

# Sample size

\*Unchanged from PAC Caregiving Interim Project Documentation

# Variable Definition

## Outcome variables

New (Updated for R&R): Receipt of caregiving not provided by staff of the facility, not including helpers that are paid aides or employees at respondent’s residence help or help from non-family paid helpers.

* Note: Used only OP file for this definition– If respondent said yes to mo5outhlp, for example, the next question was op5outhlp and then op5relatnshp about who helped them was populated. Needed relationship status to know whether it was informal care
* Previous version from 5/14/21: Receipt of caregiving not provided by staff of the facility, used op5outhlp and mo5outhlp

New: Hours of informal care received

## Covariates

\*Unchanged from PAC Caregiving Interim Project Documentation

# Coding Details

## Outcome variables

* Receiving of caregiving not provided by staff of the facility, not including helpers that are paid aides or employees at respondent’s residence help or help from non-family paid helpers.
* Hours of informal care received

/\*THIS IS A DATASET OF INFORMAL HELPERS\*/

**data** opfile; /\*N=49,835\*/

set revision.opfile; /\*N=52,285\*/

/\*CODE THOSE MISSINGS TO ., SO WE CAN SUM THEM BY RESPONDENT\*/

if op5dhrsmth in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5dhrsmth = **.**;

if op5outhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5outhlp = **.**;

if op5insdhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5insdhlp = **.**;

if op5bedhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5bedhlp = **.**;

if op5eathlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5eathlp = **.**;

if op5bathhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5bathhlp = **.**;

if op5toilhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5toilhlp = **.**;

if op5dreshlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5dreshlp = **.**;

if op5launhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5launhlp = **.**;

if op5shophlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5shophlp = **.**;

if op5mealhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5mealhlp = **.**;

if op5bankhlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op5bankhlp = **.**;

if op1medshlp in ( -**13**, -**11**, -**9**, -**12**, -**1**, **9999**) then op1medshlp = **.**;

/\*THEN EXCLUDE HELPERS THAT ARE PAID AIDES OR EMPLOYEES AT THE PLACE THEY LIVE\*/

if op5relatnshp in (**31**,**37**) then delete;

/\*EXCLUDING NON-FAMILY, PAID HELPERS\*/

if op5relatnshp in (**35**,**36**,**40**,**92**) and op5paidhelpr = **1** then delete;

keep spid op5dhrsmth op5relatnshp op5paidhelpr op5outhlp op5insdhlp op5bedhlp op5eathlp op5bathhlp op5toilhlp

op5dreshlp op5launhlp op5shophlp op5mealhlp op5bankhlp op1medshlp;

**run**;

/\*COLLAPSE TO RESPONDENT LEVEL\*/

**proc** **sort** data = opfile; by spid; **run**;

**proc** **sql**;

create table respondenthelper as /\*N=7940\*/

select spid, sum(op5dhrsmth) as op5dhrsmth\_total, /\*ADD UP HOURS\*/

case when sum(op5outhlp) ge **1** then **1** else **0** end as mo\_out, /\*CREATE INDICATOR VARIABLES (0/1) IF THEY HAD ANY INFORMAL HELP\*/

case when sum(op5insdhlp) ge **1** then **1** else **0** end as mo\_in,

case when sum(op5bedhlp) ge **1** then **1** else **0** end as mo\_bed,

case when sum(op5eathlp) ge **1** then **1** else **0** end as sc\_eat,

case when sum(op5bathhlp) ge **1** then **1** else **0** end as sc\_bath,

case when sum(op5toilhlp) ge **1** then **1** else **0** end as sc\_toil,

case when sum(op5dreshlp) ge **1** then **1** else **0** end as sc\_dres,

case when sum(op5launhlp) ge **1** then **1** else **0** end as ha\_laun,

case when sum(op5shophlp) ge **1** then **1** else **0** end as ha\_shop,

case when sum(op5mealhlp) ge **1** then **1** else **0** end as ha\_meal,

case when sum(op5bankhlp) ge **1** then **1** else **0** end as ha\_bank,

case when sum(op1medshlp) ge **1** then **1** else **0** end as mc\_med

from opfile

group by spid;

**quit**;

## Covariates

\*Unchanged from PAC Caregiving Interim Project Documentation

**Programs**

/PATH/NHATS R AND R CODE FOR GITHUB FINAL.SAS

/PATH/NHATS\_Round\_5\_OP\_Read\_V2.sas

\*Note: Need to run this NHATS file first to read in the data each time.

**Analytical Datasets**

/PATH/newfinal.sas7bdat

**Results & Output**

NHATS\_revisionET\_090821\_Figure.xlsx

NHATS\_revisionET\_101921\_Table.xlsx

Note: Raw output from SAS manually entered into final excel files

**References**

PAC Caregiving Interim Project Documentation.pdf