Survey Level Analys	is File for R	espondents in Medicare Health Outcome Survey	1998-2021 (MI	HOS Cohor	ts 1-22) April, 2024					
File contains one record per respondent per cohort per time point (baseline or follow up) for each completed or partially completed survey.										
	Included are survey related derived variables, variables from SEER, and MHOS surveys.									
For Cohort 22, only re	espondents	previously linked (SEER cases, or non-cancers	linked by prior	surveys or	by other study file sources) have been included in this release					
		SEER Patients linked with Medicare (Cancer Dia	gnosis 1973-20	19)						
MBSF: Master Benefi										
CMS: Center for Med										
HOS 1.0/HOS 2.0/HC		3.0: Medicare Health Outcomes Surveys (HOS)								
					1.0 at Baseline and HOS 2.0 at Follow Up, Cohorts 9-13 used					
					S 2.5 at Follow Up, Cohorts 16 & 17 used HOS 2.5 at Baseline	and				
		at Follow Up, Cohorts 18-22 used HOS 3.0 at bot								
Note 1:	Please re	fer to the sheet on Map of Questions for Survey C	Question Numb	ers by Surv	ey Year					
NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments				
The following variable										
1 MHOS_ENCRYPID		Random ID Number								
2 COHORT		MHOS Cohort Number			1 to 22					
3 SRVTYPE	Num 8	MHOS Survey time point (baseline or follow-up)	SRVTYPE	1	baseline					
				2	follow up					
4 SRVDATE		MHOS Date of survey (SAS Date, Missing Imputed)	MMDDYY10		MMDDYY10					
5 SRVDSP	Char 3	Survey Disposition	\$SRVDSP		Missing					
				M10	Mailed: Complete survey (80-100% complete)					
				M11	Mailed: Partial complete survey (50-79% complete)					
				T10	Telephoned: Complete survey (80-100%) complete)					
				T11	Telephoned: Partial complete survey (50-79% complete)					
6 DSPREC	Char 1	MHOS Survey disposition recoded	\$DSPREC	1	Completed (M10, T10)					
		, ,		2	Partially completed (M11, T11)					
7 NUMCOMP	Num 8	Number of completed or partially completed			1 to 26					
		MHOS surveys								
8 SRVSEQ	Num 8	MHOS Survey counter			1 to 26					
9 DISPBAS1		Completed MHOS cohort 1 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
0 DISPBAS2	Num 8	Completed MHOS cohort 2 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
1 DISPBAS3	Num 8	Completed MHOS cohort 3 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
2 DISPBAS4	Num 8	Completed MHOS cohort 4 baseline survey	YESNO	0	No					
	3	(yes/no)?	==:.0	1	Yes					
3 DISPBAS5	Num 8	Completed MHOS cohort 5 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
4 DISPBAS6	Num 8	Completed MHOS cohort 6 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
5 DISPBAS7	Num 8	Completed MHOS cohort 7 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
6 DISPBAS8	Num 8	Completed MHOS cohort 8 baseline survey	YESNO	0	No					
	3	(yes/no)?	==:.0	1	Yes					
7 DISPBAS9	Num 8	Completed MHOS cohort 9 baseline survey	YESNO	0	No					
		(yes/no)?		1	Yes					
8 DISPBAS10	Num 8	Completed MHOS cohort 10 baseline survey	YESNO	0	No					
5 5 6 6 6 6	1 dill 0	(yes/no)?	1.20110	1	Yes					
9 DISPBAS11	Num 9	Completed MHOS cohort 11 baseline survey	YESNO	0	No					
יו מאמ ומומים	I VAIII O	(yes/no)?	LONG	1	Yes					
0 DISPBAS12	Num º	Completed MHOS cohort12 baseline survey	YESNO	0	No No					
U DIOFDAO IZ	INUIII 8	(yes/no)?	IESINU	1	Yes					
1 DISPBAS13	Num 0	Completed MHOS cohort13 baseline survey	YESNO	0	No					
IDIOFDASIS	INUIII 8	1	IESNU	0						
_1		(yes/no)?		[1	Yes	1				

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
22	DISPBAS14	Num 8	Completed MHOS cohort14 baseline survey	YESNO	0	No	
			(yes/no)?		1	Yes	
23	DISPBAS15	Num 8	Completed MHOS cohort15 baseline survey	YESNO	0	No	
24	DISPBAS16	Num 8	(yes/no)? Completed MHOS cohort16 baseline survey	YESNO	0	Yes No	
24	DISI BASTO	INGIII 0	(yes/no)?	TESINO	1	Yes	
25	DISPBAS17	Num 8	Completed MHOS cohort17 baseline survey	YESNO	0	No	
			(yes/no)?		1	Yes	
26	DISPBAS18	Num 8	Completed MHOS cohort18 baseline survey	YESNO	0	No	
	210224010	ļ	(yes/no)?	1,50110	1	Yes	
27	DISPBAS19	Num 8	Completed MHOS cohort19 baseline survey (yes/no)?	YESNO	0	No Yes	
28	DISPBAS20	Num 8	Completed MHOS cohort20 baseline survey	YESNO	0	No No	+
20	DIOI BAO20	INGIII 0	(yes/no)?	TEGINO	1	Yes	
29	DISPBAS21	Num 8	Completed MHOS cohort21 baseline survey	YESNO	0	No	
			(yes/no)?		1	Yes	
30	DISPBAS22	Num 8	Completed MHOS cohort22 baseline survey	YESNO	0	No	
0.1	DIODELIA		(yes/no)?	\/=0\\0	1	Yes	
31	DISPFU1	Num 8	Completed MHOS cohort 1 follow-up survey (yes/no)?	YESNO	0	No Yes	
32	DISPFU2	Num 8	Completed MHOS cohort 2 follow-up survey	YESNO	0	No No	
02	0.01102	Train 0	(yes/no)?	120110	1	Yes	
33	DISPFU3	Num 8	Completed MHOS cohort 3 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
34	DISPFU4	Num 8	Completed MHOS cohort 4 follow-up survey	YESNO	0	No	
0.5	DIODELIE		(yes/no)?	VEONO	1	Yes	
35	DISPFU5	Num 8	Completed MHOS cohort 5 follow-up survey (yes/no)?	YESNO	0	No Yes	
36	DISPFU6	Num 8	Completed MHOS cohort 6 follow-up survey	YESNO	0	No No	
	5.6. 1 00	Train 0	(yes/no)?	1.25.15	1	Yes	
37	DISPFU7	Num 8	Completed MHOS cohort 7 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
38	DISPFU8	Num 8	Completed MHOS cohort 8 follow-up survey	YESNO	0	No	
30	DISPFU9	Num 9	(yes/no)? Completed MHOS cohort 9 follow-up survey	YESNO	0	Yes No	
39	DISI 1 09	INGIII 0	(yes/no)?	TESINO	1	Yes	
40	DISPFU10	Num 8	Completed MHOS cohort 10 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
41	DISPFU11	Num 8	Completed MHOS cohort 11 follow-up survey	YESNO	0	No	
	210221110	ļ	(yes/no)?	1,50110	1	Yes	
42	DISPFU12	Num 8	Completed MHOS cohort 12 follow-up survey (yes/no)?	YESNO	0	No Yes	
43	DISPFU13	Num 8	Completed MHOS cohort 13 follow-up survey	YESNO	0	No No	
70	2.51 1 0 10	Train 0	(yes/no)?		1	Yes	
44	DISPFU14	Num 8	Completed MHOS cohort 14 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
45	DISPFU15	Num 8	Completed MHOS cohort 15 follow-up survey	YESNO	0	No	
4.0	DIODELLA	Ni. 2	(yes/no)?	VEOLIO	1	Yes	
46	DISPFU16	Num 8	Completed MHOS cohort 16 follow-up survey (yes/no)?	YESNO	1	No Yes	
47	DISPFU17	Num 8	Completed MHOS cohort 17 follow-up survey	YESNO	0	No	
71	2.3. 1 0 11	1	(yes/no)?		1	Yes	
48	DISPFU18	Num 8	Completed MHOS cohort 18 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
49	DISPFU19	Num 8	Completed MHOS cohort 19 follow-up survey	YESNO	0	No	
	DIODELIOS	Ni. 2	(yes/no)?	VEOLIO	1	Yes	
50	DISPFU20	Num 8	Completed MHOS cohort 20 follow-up survey	YESNO	1	No Yes	
			(yes/no)?		Į I	169	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
	DISPFU21	Num 8	Completed MHOS cohort 21 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
52	DISPFU22	Num 8	Completed MHOS cohort 22 follow-up survey	YESNO	0	No	
			(yes/no)?		1	Yes	
53	INSEER	Num 8	Patient in SEER (Yes/No)	YESNO	0	No	
			, ,		1	Yes	
54	NEWREG	Char 2	Respondent residing in SEER area at time of	\$NEWREG		CMS State Missing, or did not participate in Survey	
			Survey?		00	Patient not selected for FU survey	
					01	San Fran	
					02	Connecticut	
					20	Detroit	
					21	Hawaii	
					22	lowa	
					23	New Mexico	
					25	Seattle	
					26	Utah	
					27	Atlanta	
					31	San Jose	
					35	Los Angeles	
					37	Rural Georgia	
					41	Greater California	
					42	Kentucky	
					43	Louisiana	
					44	New Jersey	
					47	Greater Georgia - 2000+	
						3	
					61	Idaho	
					62	New York	
					63	Massachusetts	
					66	Texas	
					98	Other Locations	
					99	Unknown	
55	SEERAREA	Num 8	Respondent reside in SEER area at time of	YESNO	0	No, newreg=98	
55			survey (recoded)?		1	Yes, newreg=01-63, 66	
					99	Unknown, newreg=99	
56	ALL_SEER	Num 8	Reside in SEER area at time of ALL surveys	YESNO	0	No, SEERAREA=no for at least one survey	
55	,,		(yes/no)?	20.10	1	Yes, SEERAREA=yes for all surveys	
			(300/110):		99	Unknown, SEERAREA=unknown for all surveys	
57	SEXFLG	Num 8	Mismatch Flag: Check MBSF Sex vs. Survey	SEX FLG		One or both gender variables missing or invalid	
57	OLAI LO	I Valin 0	Sex (SV_GND)		0	Match	
			OCX (OV_OIND)		1	Mismatch	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
58	CA_STAT	Num 8	Cancer Status at time of survey	CA_STAT	1	1=Cancer before survey in SEER, or in same year as	
						survey, month same or unknown and Any Cancer	
					2	Question=yes	
						2=No cancer before survey in SEER and Any Cancer	
						Question=no/missing, or non-melanoma cancer in	
						same year, month is same and Any Cancer	
					3	Question=no	
						3=No cancer before survey in SEER and Any Cancer	
					4	Question=yes	
					5	4=Not in SEER and Any Cancer Question=no	
					6	5=Not in SEER and Any Cancer Question=missing	
						6=Melanoma cancer in SEER, in same year as survey,	
					7	month is same and Any Cancer Question=no	
						7=Melanoma cancer in SEER, in same year as survey,	
					8	month is same and Any Cancer Question=missing	
						8=Non-melanoma cancer in SEER, in same year as survey,	
					9	month is same and Any Cancer Question=missing	
						9=Non-malignant tumors before the survey, or in same year	
						as survey, month same, and no other malignancies after the	
					10	survey	
						10=Non-malignant tumors after the survey, no other	
						malignancies after the survey	
50	NON MALIG	Num 9	Non-malignant cancer indicator	NON_MALIG	0	No non-malignant cancer	
33	NON_WALIO	I Valii	Two in-manginant cancer indicator	INOIN_IVIALIO	1	Non-malignant cancer before survey	
					2	Non-malignant cancer before and after survey	
					3	Non-malignant cancer after survey	
					٦	Tron-manghant cancer after survey	
60	NUMCABEF	Num 8	Number of cancers before the survey in SEER			Missing	
00	NOWOADLI	INGIII 0	Number of cartoers before the survey in SEER		0-12	IVIISSIIIG	
					99	99 for cancer status = 6,7, 8, 9, 10	
61	NUMCAAFT	Num 8	Number of cancers after the survey in SEER		33	Missing	
"	NONCAALI	INUITI 0	Inditibet of caricers after the survey in SELIX		0-19	INISSITY	
					99	99 for cancer status = 6,7, 8, 9, 10	
62	CABEFSV	Num 9	Any cancer before the survey(yes/no) in SEER?		33	Missing	
02	CABELOV	INUIII O	Any cancer before the survey(yes/110) in SEEK!	TESINO	0	No for cancer status = 2, 3	
					1	Yes for cancer status = 1	
					99	99 for cancer status = 6, 7, 8, 9, 10	
62	MELANOMA	Num º	Any Melanoma (yes/no) in SEER?	YESNO	33	Missing	
03	IVIELAINUIVIA	INUIII O	Any Melanoma (yes/110) III SEER!	ILSINO	0	No	
					1	Yes	
					99	Unknown	
64	SAME MON	Num 0	First cancer diagnosed in the same year/month	VEGNO	33		
64	SAME_MON		as the survey in SEER	TESINO		Missing	
			as the survey in SEER		1	No Yes	
					99	Yes Unknown	
0.5	TMEC A 2017	Num 0	# of months from first songer to survey in CEED		33		
65	TMFCA2SV	INUITI 8	# of months from first cancer to survey in SEER			Missing	
					< 0	<0 when first cancer was diagnosed after the survey	
					>= 0	>=0 if first cancer was diagnosed before or in	
						the same year/month as the survey	
- 00	TMDCA20V/	Nurs 0	# of months from we sat was suit a suit as			Missing	
66	TMRCA2SV	INUM 8	# of months from most recent cancer to survey		^	Missing	
			in SEER		>= 0	>=0 if the most recent cancer was diagnosed before	
	CEOCABEE	Oh 0	Company # of most recent as		00.40	or in the same year/month as the survey	
67	SEQCABEF		Sequence # of most recent cancer before		00-12	00 for CEED unknown as a second for all the second for a	
			survey in SEER		99	99 for SEER unknown seq num - federally required	
						in situ or malignant tumors	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
68	SEQCAAFT	Char 8	Sequence # of first cancer after survey in SEER		00-20 99	99 for SEER unknown seq num - federally required in situ or malignant tumors	
69	DOD_DT	Num 8	Date of death from MBSF	MMDDYY10		MBSF: bene_death_date; last date on file = 12/31/2019	
70	END_DATE	Num 8	Date of death if died <=12/31/2020, or cut-off date (12/31/2020) if alive	MMDDYY10		End-date for all patients is set to 12/31/2020, or date of death if died before 12/31/2020.	
71	TMFCA2ED	Num 8	# of months from first cancer to END_DATE				
72	TMSV2END	Num 8	# of months from survey to END_DATE				
	TMSV2DOD		# of months from survey to dod			Missing for patients who are alive	
74	ALIVE6M	Num 8	Survival status after 6 months from the survey	SURVIV	0	Dead Alive	
75	ALIVE12M	Num 8	Survival status after 12 months from the survey	SURVIV	0	Dead Alive	
76	AGE_SRV	Num 8	Calculated Age, calculated by subtracting the MBSF date of birth from the date the survey was completed, and dividing the result by 365.25.				
77	SMKSTAT	Num 8	Smoking Status derived from Current Smoker Question	CSMK	1 2 9	Yes (every day or some days) No Don't know or missing	
78	NEWRACE	Num 8	Derived from survey, MBSF, and SEER	NEWRACE	1 2 3 4 5 6	White Asian or Pacific Islander Black or African American Hispanic American Indian or Alaskan Native Another race or Multi-Race Unknown	
	The following variable	es are from	MBSF				
79	MBSF_RACE		Race (MBSF)	\$RACE	0 1 2 3 4 5	Missing Unknown White Black Other Asian Hispanic North American Native	
80	MBSF_GENDER	Char 1	MBSF: Gender	\$GENDER	1 2	Missing Male Female	
	MBSF_DOB		MBSF: Medicare date of Birth	MMDDYY10			
82	MBSF_ESRD_IND	Char 1	MBSF: ESRD indicator	\$MB_ESRD	Y 0	Has ESRD Does not have ESRD	
			ved by IMS from variables in MBSF data				
83	ST_BUYIN	Num 8	Enrolled in state buy-in at the time of survey	ST_BUYIN	0	No Yes (Third Party A or Third Party B)	MBSF: Monthly Part A and/or Part B entitlement indicator = A, B, or C
84	IN_PARTD	Num 8	Part D enrollment at the time of survey	YESNO	0	No Yes	MBSF: Survey month Part D contract number (first character) = H, R, S, E, X
	The following variab	les are deri	ved by IMS from variables in Hospice Base File				
85	IN_HOSPICE		Hospice Status at the time of survey	YESNO	0	No Yes	Hospice Base File: CLM_FROM_DT, CLM_THRU_DT
	The following variable	es are MHC	OS survey questions				
			d in HOS 2.0/2.5/3.0 and were recoded (column "	H"), both raw a	nd recoded	variables were written to this file.	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
86	GENHTH	Num 8	General Health Question	GENHTH		Missing	
					1	Excellent	
					2	Very good	
					3	Good	
					4	Fair	
					5	Poor	
87	HTHTRN	Num 8	Health Transition Question	HTHTRN		Missing	not collected as a general health item in HOS 2.0,
					1	Much better now than one year ago	however, it was split into physical and emotional
					2	Somewhat better now than one year ago	health components, Q8(VRPHCMP) and
					3	About the same as one year ago	Q9(VRMHCMP) in HOS 2.0 and later.
					4	Somewhat worse now than one year ago	
					5	Much worse now than one year ago	
88	VIGACT	Num 8	Vigorous Activities Question	VIGACT		Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
					3	No, not limited at all	
89	MODACT	Num 8	Moderate Activities Question	MODACT		Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
					3	No, not limited at all	
90	LIFT	Num 8	Lifting or carrying groceries Question	LIFT		Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
					3	No, not limited at all	
91	CLMBSV	Num 8	Climbing several flights of stairs Question	CLMBSV		Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
					3	No, not limited at all	
92	CLMBON	Num 8	Climbing one flight of stairs Question	CLMBON		Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
					3	No, not limited at all	
93	BEND	Num 8	Bending, kneeling, or stooping Question	BEND	-	Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
	14/1 1/1 4/1		W III	140 1610	3	No, not limited at all	
94	WLKMI	Num 8	Walking > 1 mile Question	WLKMI		Missing	
					1	Yes, limited a lot	
					2	Yes, limited a little	
O.F.	WLKBKS	Nium C	Walking agyoral blacks Ougstier	WLKBKS	3	No, not limited at all	
ษอ	WLVDVO	INUITI 8	Walking several blocks Question	MINDKO	· 1	Missing Yes, limited a lot	
					2	Yes, limited a lot Yes, limited a little	
					3	No, not limited at all	
96	WLK1BK	Num 9	Walking 1 block Question	WLK1BK		Missing	
90	**LICIDIC	Number	Training I blook Question	, vertible	. 1	Yes, limited a lot	
					2	Yes, limited a lot Yes, limited a little	
					3	No, not limited at all	
97	BATHDR	Num 8	Bathing or dressing Question	BATHDR	1.	Missing	
٠.			J ::		1	Yes, limited a lot	
					2	Yes, limited a little	
					3	No, not limited at all	
98	PCUTTM	Num 8	Physical Health Limiting Time Spent on	PCUTTM	1.	Missing	
			Activities Question		1	Yes	
					2	No	
99	PACMPL	Num 8	Physical Health Limiting Amount Accomplished	PACMPL		Missing	not collected starting in HOS 2.0, similar to variable
			Question		1	Yes	VRPACCL (5-level) in HOS 2.0 and later.
		İ			2	No	

NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
100 PLMTKW	Num 8	Physical Health Limiting the Kind of Activities	PLMTKW		Missing	not collected starting in HOS 2.0, similar to variable
		Question		1	Yes	VRPWORK (5-level) in HOS 2.0 and later.
				2	No	
101 PDIFWK	Num 8	Physical Health Causing Difficulty Performing	PDIFWK	·	Missing	
		Activities Question		1	Yes	
400 FOLITTA	N. 0	05 5 6 10 11 11 11 11 11	FOLITTA	2	No .	
102 ECUTTM	Num 8	Q5a Emotional Problems Limiting Time Spent on Activities Question	ECUTTM		Missing Yes	
		on Activities Question		2	No	
103 EACMPL	Num 8	Emotional Problems Limiting Amount	EACMPL		Missing	not collected starting in HOS 2.0, similar to variable
103 LACIVII L	I Valli	Accomplished Question	LACIVII L	1	Yes	VRMACCL(5-level) in HOS 2.0 and later.
		Accomplicated Queenen		2	No	Vi divi 1862 (6 1878) ili 1788 2.8 dilla later.
104 ENTCRF	Num 8	Emotional Problems Limiting Carefulness	ENTCRF	<u> </u>	Missing	not collected starting in HOS 2.0, similar to variable
		Question		1	Yes	VRMWORK(5-level) in HOS 2.0 and later.
				2	No	,
105 SOCLMT	Num 8	Extent Physical Health or Emotional Problems	SOCLMT		Missing	
		Interfered with Social Activities Question		1	Not at all	
				2	Slightly	
				3	Moderately	
				4	Quite a bit	
				5	Extremely	
106 PNMAGT	Num 8	Bodily Pain Question	PNMAGT		Missing	
				1	None	
				2	Very mild	
				3	Mild	
				4	Moderate	
				5	Severe	
407 DAUNTE	N. 0	D: 11 (: :: :: :: :: :: :: :: :: :: :: :: ::	DAUNTE	Ь	Very severe	
107 PNINTF	Num 8	Pain Interfering with Work Question	PNINTF	- 	Missing	
				1	Not at all A little bit	
				2	Moderately	
				3	Quite a bit	
				5	Extremely	
108 FULPEP	Num 8	Full of Pep Question	FULPEP		Missing	
100 I OLI LI	I Valli	Tull of Fep Question	I OLI LI	1	All of the time	
				2	Most of the time	
				3	A good bit of the time	
				4	Some of the time	
				5	A little of the time	
				6	None of the time	
109 NERVS	Num 8	Nervous Question	NERVS		Missing	
				1	All of the time	
				2	Most of the time	
				3	A good bit of the time	
				4	Some of the time	
				5	A little of the time	
				6	None of the time	
110 DNDMPS	Num 8	Down in the Dumps Question	DNDMPS	-	Missing	
				1	All of the time	
				2	Most of the time	
				3	A good bit of the time	
				4	Some of the time	
				5	A little of the time	
				٥	None of the time	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
	PCEFUL		Calm and Peaceful Question	PCEFUL		Missing	
					1	All of the time	
					2	Most of the time	
					3	A good bit of the time	
					4	Some of the time	
					5	A little of the time	
					6	None of the time	
112	ENERGY	Num 8	Lots of Energy Question	ENERGY		Missing	
112	LINLINGT	INGIII 0	Lots of Energy Question	LIVEIXO	1	All of the time	
					2	Most of the time	
					2	A good bit of the time	
					3	Some of the time	
					4	A little of the time	
					5		
				5.0.5	Ь	None of the time	
113	BLSAD	Num 8	Downhearted and Blue Question	BLSAD	-	Missing	
					1	All of the time	
					2	Most of the time	
					3	A good bit of the time	
					4	Some of the time	
					5	A little of the time	
					6	None of the time	
114	WRNOUT	Num 8	Feeling Worn Out Question	WRNOUT	-	Missing	
					1	All of the time	
					2	Most of the time	
					3	A good bit of the time	
					4	Some of the time	
					5	A little of the time	
					6	None of the time	
115	HAPPY	Num 8	Happy Question	HAPPY		Missing	
			Lappy Queenen		1	All of the time	
					2	Most of the time	
					3	A good bit of the time	
					4	Some of the time	
					5	A little of the time	
					6	None of the time	
116	TIRED	Num 0	Feeling Tired Question	TIRED			
110	IIKED	INUITI 8	reening fired Question	LIKED		Missing	
					1	All of the time	
					2	Most of the time	
					3	A good bit of the time	
					4	Some of the time	
					5	A little of the time	
					б	None of the time	
117	SCLACT	Num 8	Amount of Time Physical Health or Emotional	SCLACT		Missing	
			Problems Interfered with Social Activities		1	All of the time	
			Question		2	Most of the time	
					3	Some of the time	
					4	A little of the time	
					5	None of the time	
118	SCKESY	Num 8	Sick Easier Than Other People Question	SCKESY	1.	Missing	
			,		1	Definitely true	
					2	Mostly true	
					3	Don't know	
					4	Mostly false	
					5	Definitely false	
					١٥	Delinitely laise	

	NAME	TYPE		LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
119	ASHLTH			As Healthy As Anybody I Know Question	ASHLTH	1.	Missing	
						1	Definitely true	
						2	Mostly true	
						3	Don't know	
						4	Mostly false	
						5	Definitely false	
120	HTHWSE	Num	8	Expect Health To Get Worse Question	HTHWSE		Missing	
				•		1	Definitely true	
						2	Mostly true	
						3	Don't know	
						4	Mostly false	
						5	Definitely false	
121	HTHEXT	Num	8	Excellent Health Question	HTHEXT		Missing	
						1	Definitely true	
						2	Mostly true	
						3	Don't know	
						4	Mostly false	
						5	Definitely false	
	Variables DIFBTH, DI	FDRS, I	DIF	EAT, DIFCHR, DIFWLK, DIFTOL: order of resp	onse categories	was reverse	ed in HOS 2.0/2.5/3.0, but was harmonized in this dataset.	·
							/alue/Level), Please DO NOT use definition in the survey form	
	DIFBTH			Bathing Question	DIFBTH		Missing	ADLBTH in HOS 2.0/2.5/3.0, reverse order
				- -		1	I am unable to do this activity	
						2	Yes, I have difficulty	
						3	No, I do not have difficulty	
123	DIFDRS	Num	8	Dressing Question	DIFDRS		Missing	ADLDRS in HOS 2.0/2.5/3.0, reverse order
				- -		1	I am unable to do this activity	
						2	Yes, I have difficulty	
						3	No, I do not have difficulty	
124	DIFEAT	Num	8	Eating Question	DIFEAT		Missing	ADLEAT in HOS 2.0/2.5/3.0, reverse order
						1	I am unable to do this activity	
						2	Yes, I have difficulty	
L			_		<u> </u>	3	No, I do not have difficulty	
125	DIFCHR	Num	8	Getting In/Out of Chairs Question	DIFCHR	-	Missing	ADLCHR in HOS 2.0/2.5/3.0, reverse order
						1	I am unable to do this activity	
						2	Yes, I have difficulty	
			_		<u> </u>	3	No, I do not have difficulty	
126	DIFWLK	Num	8	Walking Question	DIFWLK	-	Missing	ADLWLK in HOS 2.0/2.5/3.0, reverse order
						1	I am unable to do this activity	
						2	Yes, I have difficulty	
						3	No, I do not have difficulty	
127	DIFTOL	Num	8	Using the Toilet Question	DIFTOL		Missing	ADLTLT in HOS 2.0/2.5/3.0, reverse order
						1	I am unable to do this activity	
						2	Yes, I have difficulty	
						3	No, I do not have difficulty	
128	CPNEXR	Num		Chest Pain/Pressure on Exertion Question (no	CPNEXR		Missing	Not collected starting in HOS 2.5.
				in survey starting 2013)		1	All of the time	
						2	Most of the time	
						3	Some of the time	
						4	A little of the time	
						5	None of the time	
129	CPNRST	Num		Chest Pain/Pressure at Rest Question (not in	CPNRST	-	Missing	Not collected starting in HOS 2.5.
				survey starting 2013)		1	All of the time	
						2	Most of the time	
						3	Some of the time	
						4	A little of the time	
						5	None of the time	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
130	SOBFLT	Num 8	Shortness of Breath when Lying Flat Question (not in survey starting 2013)	SOBFLT	1 2 3 4	Missing All of the time Most of the time Some of the time A little of the time	Not collected starting in HOS 2.5.
131	SOBSIT	Num 8	Shortness of Breath when Sitting/Resting Question (not in survey starting 2013)	SOBSIT	1 2 3 4	None of the time Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
132	SOBWLK	Num 8	Shortness of Breath when Walking Less than One Block Question (not in survey starting 2013)	SOBWLK	1 2 3 4 5	Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
133	SOBSTR	Num 8	Shortness of Breath when Climbing One Flight of Stairs Question (not in survey starting 2013)	SOBSTR	1 2 3 4 5	Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
134	NMBFET	Num 8	Numbness in Feet Question (not in survey starting 2013)	NMBFET	1 2 3 4	Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
135	ANKSWL	Num 8	Ankle/Leg Swelling Question (not in survey starting 2003)	ANKSWL	1 2 3 4 5	Missing All of the time Most of the time Some of the time A little of the time None of the time	
136	TINGFT	Num 8	Foot Tingling/Burning Question (not in survey starting 2013)	TINGFT	1 2 3 4 5	Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
137	DECSNS	Num 8	Decreased Ability to Feel Hot or Cold in Feet Question (not in survey starting 2013)	DECSNS	1 2 3 4 5	Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
138	DECHEL	Num 8	Sores/Wounds on Feet Question (not in survey starting 2013)	DECHEL	1 2 3 4 5	Missing All of the time Most of the time Some of the time A little of the time None of the time	Not collected starting in HOS 2.5.
139	PARLYS	Num 8	Paralysis or Weakness on One Side of Body Question	PARLYS	1 2 3	Missing Yes, I have it Yes, but it went away No	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
	LSTTLK	Num 8	Lost Ability to Talk Question	LSTTLK		Missing	
					1	Yes, I have lost it	
					2	Yes, but it returned	
					3	No	
	The questions regard	ding vision a	and hearing were reworded, and the direction of the	ne responses w	as reversed	in HOS 2.5/3.0, but was harmonized in this dataset.	
	For consistency betw				/G(Value/Le	vel), Please DO NOT use definition in the survey form.	
141	RDNEWP	Num 8	See Well Enough to Read Newspaper Question	RDNEWP		Missing	DIFSEE in HOS 2.5/3.0, reverse order
					1	Yes	
					2	No	
142	HRMOST	Num 8	Hear Most Things People Say Question	HRMOST		Missing	DIFHEAR in HOS 2.5/3.0, reverse order
					1	Yes	
					2	No	
143	ACDING	Num 8	Now Have Acid Indigestion or Heartburn	ACDING		Missing	
			Question (not in survey starting 2003)		1	Yes	
					2	No	
144	CTRURN	Num 8	Now Have Difficulty Controlling Urination	CTRURN	-	Missing	
			Question		1	Yes	
					2	No	
145	HIGHBP	Num 8	Ever Had Hypertension Question	HIGHBP	<u> </u>	Missing	
					1	Yes	
4.40	ANICOAD	N O	5 H IA : B / : /0	4110045	2	No .	
146	ANGCAD	Num 8	Ever Had Angina Pectoris/Coronary Artery Disease Question	ANGCAD		Missing	
			Disease Question		1	Yes No	
117	CHF	Nium 0	Fuer Had Congestive Heart Failure Question	CHF	2		
147	СПГ	INUIII O	Ever Had Congestive Heart Failure Question	СПГ	- 1	Missing Yes	
					2	No	
1/12	AMI	Num 8	Ever Had Myocardial Infarction Question	AMI		Missing	
170	Aivii	INGIII 0	Liver riad Myocardial Illiarction Question	Aivii	1	Yes	
					2	No	
149	OTHHRT	Num 8	Ever Had Other Heart Conditions Question	OTHHRT	-	Missing	
					1	Yes	
					2	No	
150	STROKE	Num 8	Ever Had Stroke Question	STROKE		Missing	
					1	Yes	
					2	No	
151	COPD_E	Num 8	Ever Had Emphysema, Asthma, or COPD	COPD_E		Missing	
			Question		1	Yes	
					2	No	
152	GI_ETC	Num 8	Ever Had Crohn's Disease, Ulcerative Colitis, or	GI_ETC		Missing	
			Inflammatory Bowel Disease Question		1	Yes	
					2	No	
153	ATHHIP	Num 8	Ever Had Arthritis of Hip/Knee Question	ATHHIP	·	Missing	
					1	Yes	
,	A.T. III I A.S.	ļ., -		A = 11	2	No	
154	ATHHAN	Num 8	Ever Had Arthritis of Hand/Wrist Question	ATHHAN	<u> </u>	Missing	
					1	Yes	
455	COLATO	NI	From Had Calating Over them	CCIATO		No Minding	
155	SCIATC	INUM 8	Ever Had Sciatica Question	SCIATC	- 4	Missing	
					1	Yes	
150	DIADET	Num 0	Ever Had Diabetes High Blood Cores or Cores	DIABET	<u> </u>	No Missing	
156	DIABET	INUM 8	Ever Had Diabetes, High Blood Sugar, or Sugar	DIABEI	· 1	Missing	
			in Urine Question		2	Yes	
157	ANYCAN	Num 0	Ever Had Any Cancer Other than Skin Cancer	ANYCAN		No Not Answered	
137	ANTOAN	INUITI O	Question	ANTOAN	- 1	Yes	
			Question		2	No	
				L	<u>-</u>	110	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
158	ARTHPN	Num 8	Arthritis Pain Question (not in survey starting	ARTHPN		Missing	
			2013)		1	None	
					2	Very Mild	
					3	Mild	
					4	Moderate	
					5	Severe	
159	COLNCA	Num 8	Colon or Rectal Cancer Current Treatment	SPECCAN		Not Answered	
.00	002.10/1	l tuil o	Question	0. 200,	1	Yes	
			Quodisii		2	No	
160	LUNGCA	Num 8	Lung Cancer Current Treatment Question	SPECCAN		Not Answered	
100	LONGOA	I dani	Lung Gander Gurrent Treatment Question	01 200/114	1	Yes	
					2	No	
161	BRSTCA	Num 9	Breast Cancer Current Treatment Question	SPECCAN		Not Answered	
101	DNOTCA	INUIII 0	Diedst Cancer Current Treatment Question	SPECCAIN	- 1	Yes	
					1	No	
400	DDOOOA	N O	Described Common Common Transfer and Common Science	ODEOGAN	2		
162	PROSCA	Num 8	Prostate Cancer Current Treatment Question	SPECCAN	;	Not Answered	
					1	Yes	
	D. 4. 01 (D. 1	ļ.,		- 1 01 (P) 1	2	No	
163	BACKPN	Num 8	Low Back Pain Interfered with Daily Activities	BACKPN	<u> </u> ;	Missing	
			Question (not in survey starting 2013)		1	All of the time	
					2	Most of the time	
					3	Some of the time	
					4	A little of the time	
					5	None of the time	
164	NUMBLG	Num 8	Pain, Numbness, Tingling Down Leg Question	NUMBLG	-	Missing	
			(not in survey starting 2003)		1	All of the time	
					2	Most of the time	
					3	Some of the time	
					4	A little of the time	
					5	None of the time	
165	FELTSD	Num 8	Two Weeks of Depression in Past Year	FELTSD	1.	Missing	
			Question		1	Yes	
					2	No	
166	DEPMCH	Num 8	Depression Much of the Time in Past Year	DEPMCH	1.	Missing	
			Question		1	Yes	
					2	No	
167	DEP2YR	Num 8	Depression Most of the Time for 2 Years	DEP2YR	+	Missing	
'''		13111 0	Question		1	Yes	
					2	No	
168	СМРНТН	Num 9	Health Compared to Other People Your Age	CMPHTH		Missing	
100	O.WII TITTI	Truin 0	Question		1	Excellent	
			Quodion		2	Very good	
					3	Good	
					14	Fair	
					5	Poor	
160	SMK100	Num 0	Smoked At Least 100 Circustas in Entire Life	SMK	J		
109	SIVIN IUU	מ וווטאון	Smoked At Least 100 Cigarettes in Entire Life	SIVIK	-	Missing	
			Question (not in survey starting 2003)		1	Yes	
					2	No Don't know	
4-4	ONIVERO	NI -	0 10 1 0 "	ON WEED O	3	Don't know	
170	SMKFRQ	Num 8	Current Smoker Question	SMKFRQ	<u> </u> ;	Missing	
					1	Every day	
					2	Some days	
					3	Not at all	
					4	Don't know	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
	DRSQT_R	Char 4	How Long Since Quit Smoking Question	DRSQT_R		Missing	
	~ =		(recoded) (not in survey starting 2003)		1	Less than 6 months	
			, , , , , , , , , , , , , , , , , , , ,		1.1	Less than 12 months (cohort 1 baseline only)	
					2	6 months or more	
					2.1	12 months or more (cohort 1 baseline only)	
					3	Don't know	
172	QSMKAD	Num 8	Advised to Quit Smoking Question (not in	QSMKAD		Missing	
	Q	1.13	survey starting 2003)		1	None	
					2	1 visit	
					3	2 to 4 visits	
					4	5 to 9 visits	
					5	10 or more visits	
					6	I had no visits in the last 6 months	
173	BRTHYR	Char 4	Survey Reported Year of Birth Question				
174	SV_GND	Num 8	Survey Reported Gender Question	SV_GND	.	Missing	
					1	Male	
					2	Female	
					3	Other	New telephone response level of "other" added in
							2019
175	SV_GNDOTH	Char	Open-ended response for Survey Gender				New telephone response as a second part of the
			"other"				Survey Gender "other" response, added in 2019
470	LUODAN	N 0		LUODAN		le ·	
1/6	HISPAN	Num 8	Hispanic or Latino Question (recoded from	HISPAN	;	Missing	Beginning 2013, HISPAN=1 if HPNOHISP=0 and
			expanded categories starting 2013)		1	Yes	one or more of the Hispanic ethnicity categories are
					2	No	checked (HPMEX=1, HPPR=1, HPCUBA=1,
							HPOTHER=1); HISPAN=2 if HPNOHISP=1 AND
							none of the Hispanic ethnicity categories are
							checked (HPMEX=0, HPPR=0, HPCUBA=0, and HPOTHER=0).
	Variable SV_RAC: m	nultiple RAC	Eresponses were collected in HOS 2.0/2.5/3.0	but was harmo	nized into on	e variable SV_RAC in this dataset	IIFOTTIER-0).
			.0/2.0/2.5/3.0 variables, please ONLY use varia				
			on in the survey form for individual RACE varial			· · · ·	
	Note: Variables SV_	RAC and HI	SPAN can be combined to create the race/ethr	nicity variable.			
177	SV_RAC	Num 8	Survey Reported Race Question	SV_RAC		Missing	not collected in HOS 2.0, recode from RCNATAM,
	_			-	1	American Indian or Alaskan Native	RCASIAN, RCAFRAM, RCNHPI, RCWHITE, and
					2	Asian or Pacific Islander	RCOTHER in HOS 2.0. Not collected starting in
					3	Black or African American	HOS 2.5. More categories were added for Asian
					4	White	and Pacific Islander starting HOS 2.5. Recode from:
					5	Another race or multiracial (if check Another Race or more	White(RCWHITE), Black(RCAFRAM), Asian or
						than one Race)	Pacific
						•	Islander(RCINDIA,RCCHINA,RCFILIP,RCJAPAN,R
							CKOREA,RCVIET,RCOTHASN,RCHAWAII,RCGUA
							M,RCSAMOA,RCOTHPAC), and American
							Indian(RCNATAM).
							` '
178	MARITL	Num 8	Marital Status Question	MARITL		Missing	
					1	Married	
					2	Divorced	
					3	Separated	
		1		1	4	Widowed	
		1		1	1 -	Never married	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
179	EDUC	Num 8	Education Question	EDUC		Missing	
					1	8th grade or less	
					2	Some high school, but did not graduate	
					3	High school graduate or GED	
					4	Some college or 2 year degree	
					5	4 year college graduate	
					6	More than a 4 year college degree	
180	HMOWN	Num 8	Housing Question	HMOWN	1.	Missing	
					1	Owned or being bought by you	
					2	Owned or being bought by someone in your family other	
					-	than you	
					3	Rented for money	
					4	Not owned and one in which you live without payment	
					Ι΄.	of rent	
					5	None of the above	
						There et alle above	
101	RTRCOM	Num 9	Retirement Community Question (not in survey	DTDCOM		Missing	
101	INTINOOINI	livuiii o	starting 2003)	INTINCOM	1	Yes	
			starting 2003)		2	No	
100	MDSVPV	Num 0	Retirement Community Medical Services	MDSVPV		Missing	
102	INIDONEN	INUIII O	Question (not in survey starting 2003)	INDSVEV	· 1	Yes	
			Question (not in survey starting 2003)		1	No	
102	WHOCMP	Nium 0	Who Completed this Survey Question	WHOCMP	2		
103	WHOCIVIP	INUIII O	who Completed this Survey Question	WHOCIVIP	- 	Missing	
					1	Person to whom survey was addressed	
					2	Family member or relative	
					3	Friend	
					4	Professional Caregiver	
184	HHINC	Num 8	Household Income Question	HHINC	1:	Missing	
					1	Less than \$5,000	
					2	\$5,000-\$9,999	
					3	\$10,000-\$19,999	
					4	\$20,000-\$29,999	
					5	\$30,000-\$39,999	
					6	\$40,000-\$49,999	
					7	\$50,000-\$79,999	
					8	\$80,000-\$99,999	
					9	\$100,000 or more	
					10	Don't know	
			were first asked on the 2003 survey				
185	PHYHTH	Char 2	Number of Days Physical Health Not Good	PHYHTH		Missing	
			Question		00-98	Valid	
186	MENHTH	Char 2	Number of Days Mental Health Not Good	MENHTH		Missing	
			Question		00-98	Valid	
187	PORHTH	Char 2	Number of Days Health Interfered with Daily	PORHTH		Missing	
			Activities Question		00-98	Valid	
188	URNLKG	Num 8	Urine Leakage in Past 6 Months Question	URNLKG		Missing	
					1	Yes	
					2	No	
189	URNMAG	Num 8	Magnitude of Urine Leakage Problem Question	URNMAG		Missing	Recode MUIDACT to URNMAG in HOS3.0
					1	A big problem	
					2	A small problem	
					3	Not a problem	
190	URNDOC	Num 8	Talked with Doctor About Urine Leakage	URNDOC		Missing	
	-		Question		1	Yes	
					2	No	
					3	I did not see a doctor or health provider	
101	URNTRT	Num 8	Received Treatment for Urine Leakage	URNTRT		Missing	
191	O. M. T. M.	, tuiii 0	Question	JAMIN	1	Yes	
			Quodion		2	No	
					4	INO	

	NAME		LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
			vere first asked on the 2005 survey				
192	ACTDOC	Num 4	Talked with Doctor About Physical Activity	ACTDOC	1 2 3	Missing Yes No I had no visits in the last 12 months	
193	ACTADV	Num 4	Did Doctor Advise you to start increase or maintain level of exercise	ACTADV	1 2	Missing Yes No	
	The following MHOS	questions v	vere first asked on the 2006 survey				
194	VRPHCMP	Num 3	Rate your Physical Health Compared to One Year Ago	VRPHCMP	1 2 3 4 5	Missing Much better Slightly better About the same Slightly worse Much worse	
195	VRMHCMP	Num 3	Rate your Emotional Problems Compared to One Year Ago	VRMHCMP	1 2 3 4 5	Missing Much better Slightly better About the same Slightly worse Much worse	
196	VRPACCL	Num 3	Physical Health Limiting Amount Accomplished Question	VRPACCL	1 2 3 4 5	Missing No, none of the time Yes, a little of the time Yes, some of the time Yes, most of the time Yes, all of the time	similar to variable PACMPL(yes/no) in HOS 1.0
197	VRPWORK	Num 3	Physical Health Limiting the Kind of Activities Question	VRPWORK	1 2 3 4 5	Missing No, none of the time Yes, a little of the time Yes, some of the time Yes, most of the time Yes, all of the time	similar to variable PLMTKW(yes/no) in HOS 1.0
198	VRMACCL	Num 3	Emotional Problems Limiting Amount Accomplished Question	VRMACCL	1 2 3 4 5	Missing No, none of the time Yes, a little of the time Yes, some of the time Yes, most of the time Yes, all of the time	similar to variable EACMPL(yes/no) in HOS 1.0
199	VRMWORK	Num 3	Emotional Problems Limiting Carefulness Question	VRMWORK	1 2 3 4 5	Missing No, none of the time Yes, a little of the time Yes, some of the time Yes, most of the time Yes, all of the time	similar to variable ENTCRF(yes/no) in HOS 1.0
200	ADLBTH	Num 3	Difficulty Bathing	ADLBTH	1 2 3	Missing No, I do not have difficulty Yes, I have difficulty I am unable to do this activity	recode to DIFBTH in HOS 1.0

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
201	ADLDRS	Num 3	Difficulty Dressing	ADLDRS		Missing	recode to DIFDRS in HOS 1.0
					1	No, I do not have difficulty	
					2	Yes, I have difficulty	
					3	I am unable to do this activity	
						Tam unable to do this douvrey	
202	ADLEAT	Num 3	Difficulty Eating	ADLEAT	1.	Missing	recode to DIFEAT in HOS 1.0
					1	No, I do not have difficulty	
					2	Yes, I have difficulty	
					3	I am unable to do this activity	
						Tame analog to an and adming	
203	ADLCHR	Num 3	Difficulty Getting in or out of Chairs	ADLCHR		Missing	recode to DIFCHR in HOS 1.0
					1	No, I do not have difficulty	
					2	Yes, I have difficulty	
					3	I am unable to do this activity	
204	ADLWLK	Num 3	Difficulty Walking	ADLWLK	· 	Missing	recode to DIFWLK in HOS 1.0
					1	No, I do not have difficulty	
					2	Yes, I have difficulty	
					3	I am unable to do this activity	
205	ADLTLT	Num 2	Difficulty Using Toilet	ADLTLT		Missing	recode to DIFTOL in HOS 1.0
203	ADLILI	INUITI 3	Difficulty Osling Tollet	ADLILI	-	No, I do not have difficulty	recode to DIFTOL IITTIOS 1.0
					2	Yes, I have difficulty	
					3	I am unable to do this activity	
206	CCOSTEO	Num 3	Ever Had Osteoporosis Question	CCOSTEO	 	Missing	
					1	Yes	
					2	No	
207	FRMTLK	Num 3	Talked with Doctor about Falling or Walking	FRMTLK		Missing	
			Problem		1	Yes	
					2	No	
					3	I had no visits in the past 12 months	
208	FRMFALL	Num 3	Did you Fall in the Past 12 Months Question	FRMFALL		Missing	
					1	Yes	
					2	No	
200	FRMBAL	Num 2	Drahlam with Balance or Walking in Doct 12	FRMBAL		Missing	
209	FRIVIDAL	INUIII 3	Problem with Balance or Walking in Past 12	FRIVIDAL	;	Missing	
			Months Question			Yes	
					2	No	
210	FRMPREV	Num 3	Has Doctor Suggested Cane/Walker, Physical	FRMPREV	1.	Missing	In the 2018 cohort 21 baseline, the question was
			Therapy, Vision or Hearing Testing or Checked		1	Yes	revised to remove the statement "Check your blood
			Blood Pressure Lying or Standing		2	No	pressure lying or standing."
			Dioda i rossuro Lyring or Otaliumig		3	I had no visits in the past 12 months	prosoure tyring or startumg.
211	OTOTEST	Num 3	Ever Had a Bone Density Test Question	OTOTEST		Missing	Removed starting from 2021, cohort 22 follow up
					1	Yes	
					2	No	
	1						

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
	WEIGHT		Categorical Weight in pounds (lbs.)	WEIGHT	<u>-</u>	Missing	
					1	90 lbs. or less	
					2	91-100 lbs.	
					3	101-110 lbs.	
					4	111-120 lbs.	
					5	121-130 lbs.	
					6	131-140 lbs.	
					7	141-150 lbs.	
					8	151-160 lbs.	
					9	161-170 lbs.	
					10	171-180 lbs.	
					11	181-190 lbs.	
					12	191-200 lbs.	
					13	201-210 lbs.	
					14	211-220 lbs.	
					15	221-230 lbs.	
					16	231-240 lbs.	
1					17	241-250 lbs.	
					18	251-260 lbs.	
					19	261-270 lbs.	
					20	271-280 lbs.	
					21	281-290 lbs.	
					22	291-300 lbs.	
					23	301-310 lbs.	
					24 25	311-320 lbs.	
					25	321 lbs. or more	
213	HEIGHT	Num 8	Categorical Height in feet and inches (ft./in.)	HEIGHT		Missing	
					1	5 ft. 00 in. or less	
					2	5 ft. 01 in.	
					3	5 ft. 02 in.	
					4	5 ft. 03 in.	
					5	5 ft. 04 in.	
					6	5 ft. 05 in.	
					/	5 ft. 06 in.	
					8	5 ft. 07 in.	
1					9	5 ft. 08 in.	
					10	5 ft. 09 in.	
1					11	5 ft. 10 in.	
					12	5 ft. 11 in. 6 ft. 00 in.	
1					13	6 ft. 00 in.	
					14 15	6 ft. 02 in.	
1					16	6 ft. 03 in. or more	
					10	O IL OO III. OI IIIOIE	
1							
044	DONATANA	NI.uss O	Amonican Indian as Alestess N. C.	DONATANA		Minaina	records to CV/ DAC in LICC 4.0
214	RCNATAM	Num 3	American Indian or Alaskan Native	RCNATAM		Missing Did not check American Indian or Alaskan Nativa	recode to SV_RAC in HOS 1.0
					1	Did not check American Indian or Alaskan Native	
1					1	Checked American Indian or Alaskan Native	
245	RCASIAN	Num 3	Asian	RCASIAN		Missing	records to SV/ BAC in LIOS 4.0
215	KCASIAN	INUM 3	ASIAII	RCASIAN		Missing	recode to SV_RAC in HOS 1.0
1					1	Did not check Asian	
1					1	Checked Asian	
<u></u>				1			

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
216	RCAFRAM	Num 3	Black or African American	RCAFRAM		Missing	recode to SV_RAC in HOS 1.0
					0	Did not check Black or African American Checked Black or African American	
047	DONILIDI	N O	N.C. 11	BONILIBI		No. :	L L 0/ PAO: H00 4 0
217	RCNHPI	Num 3	Native Hawaiian or other Pacific Islander	RCNHPI		Missing	recode to SV_RAC in HOS 1.0
					0	Did not check Native Hawaiian or other Pacific Islander	
					1	Checked Native Hawaiian or other Pacific Islander	
218	RCWHITE	Num 3	White	RCWHITE	<u> </u>	Missing	recode to SV_RAC in HOS 1.0
					0	Did not check White	_
					1	Checked White	
219	RCOTHER	Num 3	Another Race (excluded in the 2011 survey)	RCOTHER		Missing	recode to SV_RAC in HOS 1.0
			,		0	Did not check Another race	_
					1	Checked Another race	
	NOTE: BMI categor	ies changed	starting from 2017 (Cohort 18 follow up), alterna	ative BMI catego	ories can he	calculated directly from variable RMI	
220	BMI	Num 8	Calculated Body Mass Index	ativo bivii oatege	onios can be	Calculated directly from Variable Divil.	
221	BMICAT		Categories of Body Mass Index before 2007			Missing	
					1	Underweight (BMI less than 20)	
					2	Normal (BMI 20-<25)	
					3	Overweight (BMI 25-<30)	
					4	Obese (BMI 30-<35)	
					5	Morbid Obesity (BMI 35 or more)	
			Categories of Body Mass Index (starting from			Missing	
			2017)			Underweight (BMI less than 18.5)	
			2011)		2	Normal (BMI 18.5-<25)	
					3	Overweight (BMI 25-<30)	
					4	Obese (BMI >=30)	
					e 2011 surve	ey, consolidated to use the definition from the 2011 survey.	
222	DEPWEEK	Num /	How much of the time in the past week did you	DEPWEEKB	1	Rarely or none of the time Some or a little of the time	
			feel depressed?		2		
					3	Occasionally or a moderate amt. of the time	
					4	Most or all of the time	
						Missing	
	The following MHOS		as first asked on the 2012 Survey.				[
223	WEIGHTLB	Num 8	How much do you weigh in pounds(lbs.)				recode to WEIGHT as categories starting in HOS
	=		question				2.0
	HEIGHTFT		How tall are you without shoes on in feet(ft.)				recode to HEIGHT as categories starting in HOS
	HEIGHTIN The following MHO		and inches (in.) question as first asked on the 2013 Survey.				2.0
	DIFMEALS		Difficulty preparing meals	DIFMEALS	1	No, I do not have difficulty	
	/ (_0				2	Yes, I have difficulty	
					3	I don't do this activity	
227	DIFMONEY	Num 7	Difficulty managing manage	DIFMONEY	1	No. I do not have difficulty	
221	DIFINIONE I	inum /	Difficulty managing money	DIFINIONEY	1	No, I do not have difficulty	
					2	Yes, I have difficulty	
					3	I don't do this activity	
			· ·				

NAMI	ИE	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
228 DIFM	MEDS	Num 7	Difficulty taking medications as prescribed	DIFMEDS	1	No, I do not have difficulty	
					2	Yes, I have difficulty	
					3	I don't do this activity	
229 DIFS	SEE	Num 7	Blind or have serious difficulty seeing, even	DIFSEE	1	Yes	Reversed, recode to RDNEWP as in HOS 1.0
			when wearing glasses question		2	No	
					3	Almost never or never	
230 DIFH	HEAR	Num 7	Deaf or have serious difficulty hearing question	DIFHEAR	1	Yes	Reversed, recode to HRMOST as in HOS 1.0
					2	No	
					3	Almost never or never	
231 DIFR	REMEM	Num 7	Serious difficulty concentrating, remembering	DIFREMEM	1	Yes	
			or making decisions question		2	No	
232 DIFW	MKSTD	Num 7	Serious difficulty walking or climbing stairs	DIFWKSTR	1	Yes	
232 DIFW	MNSIK	INUIII /	Serious difficulty walking of cliffibling stalls	DIFWKSTK	2	No	
						NO	
233 DIFD	DRBTH	Num 7	Difficulty dressing or bathing	DIFDRBTH	1	Yes	
					2	No	
2015155		ļ					
234 DIFE	ERRND	Num 7	Because of a physical, mental, or emotional	DIFERRND	1	Yes	
			condition, difficulty doing errands alone such as		2	No	
			visiting a doctor's office or shopping question				
235 DIFM	MPROB	Num 7	In the past month, how often did memory	DIFMPROB	1	Every day (7 days a week)	
		1.13	problems interfere with your daily activities		2	Most days (5-6 days a week)	
			question		3	Some days (2-4 days a week)	
					4	Rarely (Once a week or less)	
					5	Never	
236 CCDI	DEP	Num 7	Doctor ever told you that you have depression	CCDEP	1	Yes	
			question		2	No	
237 CAO	THED	Num 7	Other cancer (other than skin cancer)	CAOTHER	1	Yes	
237 000	THER	Nulli 7	Other cancer (other than skill cancer)	CAOTILIN	2	No	
					_		
238 PAIN	NDACT	Num 7		PAINDACT	1	Not at all	
			with your day to day activities question		2	A little bit	
					3	Somewhat	
					4	Quite a bit	
000 5411	ICA OT	N1	le the next 7 days have 6	DAINGAGE	5	Very much	
239 PAIN	NSAC I	INUM /	In the past 7 days, how often did pain keep you from socializing with others question	PAINSACT	1	Never Rarely	
			mom socializing with others question		3	Sometimes	
					4	Often	
					5	Always	
240 PAIN	NRATE	Num 7	In the past 7 days, how would you rate your	PAINRATE	1-10		
			pain on average question				
241 PAIN	NRATEb	Num 7	In the 2021 Cohort 22 Follow up, PAINRATE	PAINRATEb	0-10		In the 2021 Cohort 22 Follow up, PAINRATE (Q38)
			(Q38) was revised to add the (0) response to				was revised to add the (0) response to the pain
			the pain scale. The scale responses range from				scale. The scale responses range from 0 - 10 and
			0 - 10 and zero now corresponds with the				zero now corresponds with the answer "No pain."
			answer "No pain."				

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
242	SPEAKENG	Num 7	How well do you speak English question	SPEAKENG	1	Very well	
					2	Well	
					3	Not well	
242	DEPNOPLS	Num 7	41a. Little interest or pleasure in doing things	DEPNOPLS	4	Not at all	
243	DEPNOPLS	Num 7	Question	DEPNOPLS	2	Several days	
			Question		3	More than half the days	
					4	Nearly every day	
244	DEPDOWN	Num 7	41b. Feeling down, depressed or hopeless	DEPDOWN	1	Not at all	
			Question		2	Several days	
					3	More than half the days Nearly every day	
					4	liveally every day	
245	LVALONE	Num 7	Live alone	LVALONE	1.	Missing	
					0	Respondent did not check live alone	
					1	Respondent checked live alone	
246	LVSPOUSE	Num 7	Live with spouse/significant other	LVSPOUSE		Missing	
					0	Respondent did not check live with spouse/significant other Respondent checked live with spouse/significant other	
					'	Respondent checked live with spouse/significant other	
247	LVCHILD	Num 7	Live with children/other relatives	LVCHILD		Missing	
					0	Respondent did not check live with children/other relatives	
					1	Respondent checked live with children/other relatives	
040	LVAIONIDEI	N 7	I	LVAIONIDEL		Mission	
248	LVNONREL	Num /	Live with non-relatives	LVNONREL	0	Missing Respondent did not check live with non-relatives	
					1	Respondent checked live with non-relatives	
249	LVCAREGV	Num 7	Live with paid caregiver	LVCAREGV	1.	Missing	
					0	Respondent did not check live with paid caregiver	
					1	Respondent checked live with paid caregiver	
250	WHERELV	Num 7	Where do you live question	WHERELV	1	Independent house, apartment, condominium or mobile	
					2	home Assisted living apartment or board and care home	
					4	Nursing home	
						Other	
251	CAREOTHR	Num 7	Do you currently provide care for someone else	CAREOTHR	1	Yes	
			in your home question		2	No	
252	CAREDAYS	Num 7	During the poet week how means down did	CAREDAYS	1	No care provided in the last week	
202	CAREDATS	Num 7	During the past week, how many days did you provide at least some care question	CAREDATS	2	No care provided in the last week 1 or 2 days	
			provide at least some care question		3	3 or 4 days	
					4	5 or 6 days	
					5	7 days (every day)	
253	DIFTRANS	Num 7	Do you have difficulty getting to places you	DIFTRANS	1	Always or almost always	
			need to go (either by driving or by getting a ride		2	Sometimes	
25.4	HPNOHISP	Num 7	question Not of Hispanic, Latino/a or Spanish origin	HPNOHISP	0	Almost never or never	Recode to HISPAN as in HOS 1.0
∠54	TICINOUISE	INUIII /	INOLO I FISPALIO, LAUTO/A OF SPARISH ORIGIN	I ILIMOUISE	1	No, not Hispanic not checked No, not Hispanic checked	Necode to morain as III noo 1.0
					.	Missing	
255	HPMEX	Num 7	Mexican, Mexican American, Chicano/a	HPMEX	0	Respondent did not check Mexican	
			,		1	Respondent checked Mexican	
						Missing	
256	HPPR	Num 7	Puerto Rican	HPPR	0	Respondent did not check Puerto Rican	
					1	Respondent checked Puerto Rican	
						Missing	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
	HPCUBA		Cuban	HPCUBA	0	Respondent did not check Cuban	10000007 Commonic
	111 002/1	'	Casan	1 005/1	1	Respondent checked Cuban	
					.	Missing	
258	HPOTHER	Num 7	Another Hispanic, Latino/a or Spanish origin	HPOTHER	0	Respondent did not check Other Hispanic	
200	TII OTTILIK	'	Attoution Prioparties, Edutiona of Opartion origin	I''' OTTIET	1	Respondent checked Other Hispanic	
					1.	Missing	
250	RCINDIA	Num 7	Asian Indian	RCINDIA	0	Did not check Asian Indian	recode to SV_RAC in HOS 1.0
239	NOINDIA	INUITI /	Asian indian	KCINDIA	1	Checked Asian Indian	recode to 3v_NAC III 1103 1.0
					'	Missing	
260	RCCHINA	Num 7	Chinese	RCCHINA	0	Did not check Chinese	recode to SV_RAC in HOS 1.0
200	RCCHINA	INUITI /	Crimese	RCCHINA	1	Checked Chinese	Tecode to SV_RAC III HOS 1.0
					'	Missing	
264	RCFILIP	Num 7	/ Filining	RCFILIP		Did not check Filipino	recode to SV DAC in LIOS 1.0
20 I	RCFILIP	inum /	/ Filipino	RCFILIP	0		recode to SV_RAC in HOS 1.0
					1	Checked Filipino	
000	0014041	-		DO 14 D 4 1		Missing	1 (0)/ 510 : 1100 / 0
262	RCJAPAN	Num /	/ Japanese	RCJAPAN	0	Did not check Japanese	recode to SV_RAC in HOS 1.0
					1	Checked Japanese	
	D01/05=:	<u> </u>		D01/25=:		Missing	1.4.04.510.410
263	RCKOREA	Num 7	Korean	RCKOREA	0	Did not check Korean	recode to SV_RAC in HOS 1.0
					1	Checked Korean	
						Missing	
264	RCVIET	Num 7	Vietnamese	RCVIET	0	Did not check Vietnamese	recode to SV_RAC in HOS 1.0
					1	Checked Vietnamese	
						Missing	
265	RCOTHASN	Num 7	Other Asian	RCOTHASN	0	Did not check Other Asian	recode to SV_RAC in HOS 1.0
					1	Checked Other Asian	
						Missing	
266	RCHAWAII	Num 7	Native Hawaiian	RCHAWAII	0	Did not check Native Hawaiian	recode to SV_RAC in HOS 1.0
					1	Checked Native Hawaiian	_
					.	Missing	
267	RCGUAM	Num 7	Guamanian or Chamorro	RCGUAM	0	Did not check Guamanian or Chamorro	recode to SV_RAC in HOS 1.0
					1	Checked Guamanian or Chamorro	_
					1.	Missing	
268	RCSAMOA	Num 7	Samoan	RCSAMOA	0	Did not check Samoan	recode to SV RAC in HOS 1.0
					1	Checked Samoan	
						Missing	
269	RCOTHPAC	Num 7	Other Pacific Islander	RCOTHPAC	0	Did not check Other Pacific Islander	recode to SV RAC in HOS 1.0
200	11001111710	'	Outon't dollio lolandor	11001111710	1	Checked Other Pacific Islander	100000 to 07_10 to 1111100 1.0
					1.	Missing	
	The following MHOS	Caustion	was first asked on the 2015 Survey.		ļ·	IMICOMIS	
270	MUIDACT		How Much did Leaking of Urine Make Change	MUIDACT	1	A lot	Recode to URNMAG
210		Yuni /	Daily Activities or Interfere with Sleep Question		2	Somewhat	TOOGGE TO STATISTICS
			Daily Addition of Interiore with dieep Question		3	Not at all	
						110t at all	
271	SLEEPHRS	Num 7	Average Hours of Sleep per Night in Past	SLEEPHRS	1	Less than 5 hours	
Z1 I	OLLLI TINO	INUITE /	Month Question	OLLEFIIRO	2	5-6 hours	
			INIOHUI QUESHOLI		2	7-8 hours	
					1	9 or more hours	
					*	o illore llouis	
272	CI EEDOUA	Num	/ Overall Sleep Overlity Deting in Deat Manua	SI EEDOUA	1	Vorugeed	
212	SLEEPQUA	Num 7	Overall Sleep Quality Rating in Past Month	SLEEPQUA	1	Very good	
			Question		2	Fairly good	
					3	Fairly bad	
					4	Very bad	
		1			1.		12. 11. 1
273	SPEAKLNG	Num 7	Language Mainly Spoken at Home Question	SPEAKLNG	1	English	*Starting from Cohort 21 follow up, added 4
					2	Spanish	(Russian) and 7 (some other language, formerly 4)
					3	Chinese	
					4	Russian	
					7	Some other language (please specify)	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
274	SPEAKOTH	Char 20	Specify Other Language Spoken				
			as first asked on the 2019 Cohort 20 Follow Up	Survey.			
275	SV_GNDOTH	Char	Open-ended response for Survey Gender "other"				New telephone response as a second part of the Survey Gender "other" response, added in 2019
	The following varia	bles are Surv	rey Administration Fields				
276	ESVDAT	Num 8	SAS Date of Survey	MMDDYYYY8			
277	SVLANG	Num 8	Survey Language	SVLANG	1 2 3 4	Missing English Spanish Not applicable Chinese	
					5	Russian	New language option addition in 2019
			OS beneficiary and plan level characteristics				
278	STATE	Char 2	State SSA Code	\$SSA_STA	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18	Missing Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	
					20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania	

	NAME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
					40	Puerto Rico	
					41	Rhode Island	
					42	South Carolina	
					43	South Dakota	
					44	Tennessee	
					45	Texas	
					1	Utah	
					46	Vermont	
					47		
					48	Virgin Islands	
					49	Virginia	
					50	Washington	
					51	West Virginia	
					52	Wisconsin	
					53	Wyoming	
					65	Guam	
					99	Unknown	
		1					
	COUNTY		County SSA Code State Abrv. from State SSA Code	-			
	STABV CTNAME		County Name from County SSA code				
	INSTUT		Institutional Status	INSTUT		Missing	
202		I dill	Inditational Otatas	1110101	0	Out of institution	
					1	Institutionalized	
					2	Eligible for nursing home care	
202	MEDICD	Num 0	Medicaid Status	MEDICD	2	-	
203	IMEDICD	INUIII 0	Wedicald Status	IMEDICD		Missing Out of Medicaid	
					0		
204	ECDD	Ni	Ford Storie Donal Disease (FCDD)	ECDDID	1	In Medicaid (Full or Partial Benefit in March)	
284	ESRD	Num 8	End Stage Renal Disease (ESRD)	ESRDID		Missing	
					0	No ESRD ESRD	
005	LICODIOE	N. 0		LICORIO	I		
285	HOSPICE	Num 8	Hospice Status	HOSPIC		Missing	
					0	No hospice start date present	
					1	Hospice start date present	
286	ENTITLE	Num 8	Reason for entitlement	RSENT	Blank	Not Enrolled	
					10	Aged without ESRD	
					11	Aged with ESRD	
					20	Disabled without ESRD	
					21	Disabled with ESRD	
					31	ESRD only	
	ENCZIP_SV		Encrypted zip code				
	PLANID		Encrypted Plan ID				
289	P_CNTRNM	Char 5	Encrypted Unique Plan Contract Number at the				
			time of performance measurement reporting.				
			This was the plan level unit of analysis for the				
			Performance Measurement Report. (not in				
			cohorts 1 & 2)				
	CNTRNM	Char 5	Encrypted Contract Number				
	MARKET		Market Area				
292	MANAME	Char 30	Market Area Name (not in cohort 6 baseline				
	D. D. A	01 ==	and cohorts 4,5,6 follow-up)				
293	P_PLANNM	Char 50	Plan name as listed in the CMS Monthly Report		Special		In the absence of Plan Name from the Performance
			of Managed Care Health Plans at the time of		permission		Measurement Report, as in HOS 2.0, the plan
			Performance Measurement Analysis (not in		required for		name was taken from the Follow-up survey, if
			cohort 1)		release		available; otherwise from the baseline survey data.

*PLTYPE information changed over time as to how the field was constructed and defined. It would not be easy to equate the definitions across the cohorts
the field was constructed and defined. It would not
the field was constructed and defined. It would not
the field was constructed and defined. It would not
the field was constructed and defined. It would not
the field was constructed and defined. It would not
the field was constructed and defined. It would not
since they were unique to the point in time in which
they were obtained. For instance, the designation
of a plan as a SHMO (Social HMO) has been
dropped at some point in time. Another issue is
that some plan types were not required to report
HOS some years, but were required or could
volunteer to report in other years.
Used PnPLTAXST for cohorts 11 and 12.
OSCUTTILETAXOT TO CONOIDS 11 and 12.
1 Worse than expected
2 Same as expected
3 Better than expected
1 Worse than expected 2 Same as expected
3 Better than expected
0 Not Dual Status
1 Dual Status (Full Benefit any time during the year)
nt. This resulted in changes (variable name and definition) to the database.
ed by Boston University (March, 2016) to re-score the 8 scale (PF, RP, BP, GH,
an request a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a copy of the Boston University Bridge program by submitting a carried and a
are not restricted to 0/100.
oups, especially for the role items.
s should not be limited.
ode and language.
ode and ranguage.

			LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
304 MH			Emotional well-being scale, incorporating the Boston University March 2016 Bridge Algorithm and November 2018 Algorithm for adjusting by survey mode and language				
305 RE	E N		Role limitation emotional scale, incorporating the Boston University March 2016 Bridge Algorithm and November 2018 Algorithm for adjusting by survey mode and language				
306 SF	· .		Social functioning scale, incorporating the Boston University March 2016 Bridge Algorithm and November 2018 Algorithm for adjusting by survey mode and language				
307 VT	N		Energy/fatigue scale, incorporating the Boston University March 2016 Bridge Algorithm and November 2018 Algorithm for adjusting by survey mode and language				
308 PC	CS_T N	Num 8	Physical Component Summary T-score - Linear transformation of the 0-100 versions of the scale that yields a population mean of 50 and a standard deviation of 10, based on 1990 population norms. For more details, refer to the Boston University March 2016 Bridge Program.				
309 MC	CS_T N		Mental Component Summary T-score - Linear transformation of the 0-100 versions of the scale that yields a population mean of 50 and a standard deviation of 10, based on 1990 population norms. For more details, refer to the Boston University March 2016 Bridge Program.				
310 PF	-T	Num 8	Physical functioning T-score Linear transformation of the 0-100 versions of the scale (PF) that yields a population mean of 50 and a standard deviation of 10, based on 1990 population norms				
311 RF	P_T N		Role limitation physical T-score Linear transformation of the 0-100 versions of the scale (RP) that yields a population mean of 50 and a standard deviation of 10, based on 1990 population norms				
312 BF	P_T N	Num 8	Pain T-score Linear transformation of the 0-100 versions of the scale (BP) that yields a population mean of 50 and a standard deviation of 10, based on 1990 population norms				
313 GH	H_T N	Num 8	General health T-score Linear transformation of the 0-100 versions of the scale (GH) that yields a population mean of 50 and a standard deviation of 10, based on 1990 population norms				

	AME	TYPE	LABEL	FORMAT	VALUE	LEVEL	Recodes / Comments
314 M			Emotional well-being T-score	PORIVIAT	VALUE	LEVEL	Recodes / Comments
314 101	п_ і	inum 8					
			Linear transformation of the 0-100 versions of	1			
			the scale (MH) that yields a population mean of				
			50 and a standard deviation of 10, based on				
			1990 population norms				
315 RI	E_T	Num 8	Role limitation emotional T-score				
			Linear transformation of the 0-100 versions of				
			the scale (RE) that yields a population mean of				
			50 and a standard deviation of 10, based on				
			1990 population norms				
316 SI	F_T	Num 8	Social functioning T-score				
			Linear transformation of the 0-100 versions of				
			the scale (SF) that yields a population mean of				
			50 and a standard deviation of 10, based on				
			1990 population norms				
317 V	T_T	Num 8	Energy/fatigue T-score				
			Linear transformation of the 0-100 versions of				
			the scale (VT) that yields a population mean of				
			50 and a standard deviation of 10, based on				
			1990 population norms				
	ote:						
SI	F-36 PCS/MCS score	es for Col	norts 1-6 baseline/follow up, and Cohorts 7-8 base	eline were resco	<mark>red, using a</mark>	36-item MRE equivalent algorithm from Boston University,	
	o that scores are con	nparable t	o the VR-12 scores for cohorts 7-8 follow up, Coh	orts 9-22 hasel	ine and follo	with For analyses that use the bridging algorithm to	
po	ool data from both er		portant to use the PCS12 and MCS12 summary	measures whic	h use imput	ation methods to account for missing data on items and theref	ore
po ca	ool data from both er annot be transformed	d to a T-so	portant to use the PCS12 and MCS12 summary ore metric. The PCS12 and MCS12 measures ha	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
po ca In	ool data from both er annot be transformed corporated Boston L	d to a T-so Iniversity	oportant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures has November 2018 Algorithm to adjust the PCS12 are	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
po ca In Th	ool data from both er annot be transformed corporated Boston U he following variable	to a T-so University I s are 12-it	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures han November 2018 Algorithm to adjust the PCS12 are member Survey Scores (VR-12 scores)	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
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po ca In Tr 318 Po	ool data from both er annot be transformed corporated Boston U he following variable CS12	d to a T-so Jniversity s are 12-it Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures has November 2018 Algorithm to adjust the PCS12 are Health Survey Scores (VR-12 scores) NORM90 PCS Adjusted by Survey Mode and Language	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
po ca In Th	ool data from both er annot be transformed corporated Boston U he following variable CS12	d to a T-so Jniversity s are 12-it Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures has November 2018 Algorithm to adjust the PCS12 are Health Survey Scores (VR-12 scores) NORM90 PCS Adjusted by Survey Mode and	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
po ca In Tr 318 Po	ool data from both er annot be transformed corporated Boston U he following variable CS12	d to a T-so Jniversity s are 12-it Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures has November 2018 Algorithm to adjust the PCS12 are Health Survey Scores (VR-12 scores) NORM90 PCS Adjusted by Survey Mode and Language	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12	d to a T-so Jniversity I s are 12-it Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures has November 2018 Algorithm to adjust the PCS12 are mean Health Survey Scores (VR-12 scores) NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language	measures whic ave similar prop	h use impute erties to the	ation methods to account for missing data on items and theref PCS_T and MCS_T summary metrics.	ore
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been solved by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018	measures whic ave similar propo nd MCS12 score	h use imput erties to the es by survey	ation methods to account for missing data on items and therefor PCS_T and MCS_T summary metrics. To mode and language.	
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been solved by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat	measures whic ave similar propo nd MCS12 score	h use impute erties to the	ation methods to account for missing data on items and therefore PCS_T and MCS_T summary metrics. To mode and language. Counties of metro areas of 1 million population or more.	Survey year 1998: use 1993 Rural-Urban
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been solved by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018	measures whic ave similar propo nd MCS12 score	h use imput erties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been solved by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below.	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year
318 PC	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imput erties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use
318 PC	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below.	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03 04	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03 04	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03 04 05	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03 04 05	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	on the last of the	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area Urban population of 2,500-19,999, adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	on the last of the	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area Urban population of 2,500-19,999, adjacent to a metro area Urban population of 2,500-19,999, not adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03 04 05 06 07	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 2,500-19,999, adjacent to a metro area Urban population of 2,500-19,999, not adjacent to a metro area Urban population of 2,500-19,999, not adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	h use imputerties to the es by survey 01 02 03 04 05 06 07	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area Urban population of 2,500-19,999, adjacent to a metro area Urban population of 2,500-19,999, not adjacent to a metro area Completely rural or less than 2,500 urban population,	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	on the last of the	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area Urban population of 2,500-19,999, adjacent to a metro area Urban population of 2,500-19,999, not adjacent to a metro area Completely rural or less than 2,500 urban population, adjacent to a metro area Completely rural or less than 2,500 urban population, not adjacent to a metro area	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.
90 Ca In Th 318 P0 319 M	cool data from both er annot be transformed corporated Boston U he following variable CS12 CS12	J to a T-sc Jniversity I s are 12-it Num 8 Num 8	portant to use the PCS12 and MCS12 summary core metric. The PCS12 and MCS12 measures have been been supported by Survey Mode and Language NORM90 PCS Adjusted by Survey Mode and Language NORM90 MCS Adjusted by Survey Mode and Language Code from SEER*Stat, August 1, 2018 Rural-Urban Continuum Code from SEER*Stat based on State/county of residence at time of	measures whic ave similar propo nd MCS12 score	on the last of the	Counties of metro areas of 1 million population or more. Central and Fringe Counties on 1998 surveys were combined; also see Note below. Counties in metro areas of 250,000 - 1,000,000 population Counties in metro areas of fewer than 250,000 population Urban population of 20,000 or more, adjacent to a metro area Urban population of 20,000 or more, not adjacent to a metro area Urban population of 2,500-19,999, adjacent to a metro area Urban population of 2,500-19,999, not adjacent to a metro area Completely rural or less than 2,500 urban population, adjacent to a metro area Completely rural or less than 2,500 urban population, not	Survey year 1998: use 1993 Rural-Urban Continuum Code; Survey years 1999-2008: use 2003 Rural-Urban Continuum Code; Survey Year 2009-2018: use 2013 Rural-Urban Continuum Code.

l P	NAME	TYPE	I AREI	FORMAT	VALUE	LEVEL	Pacadas / Comments
	VAIVIE	ITTPE	LABEL	FURIVIAT			Recodes / Comments
	NOTE:				blank	Not available. Majority of respondents from Puerto Rico	
	NOTE:			<u> </u>		 e were subdivided between central counties (Code 0) and	1
			nties by OMB procedures.				
	n 2000, only 1.6 per						
	Codes 0 and 1 have						
	For more informatio						
321 F	RUCCodeR	Num 8	Recodes for Rural-Urban Continuum Code	RUCCODER	1	Big Metro (RUCCode=01)	
			RUCCode		2	Metro (RUCCode=02, 03)	
					3	Urban (RUCCode = 04, 05)	
					4	Less Urban (RUCCode = 06, 07)	
					5	Rural (RUCCode = 08, 09)	
					9	Unknown (RUCCode = 88, 99)	
					blank	Not available. Majority of respondents from Puerto Rico	
/	Added the Geocoding	variables.	April, 2024			, , ,	
			only available for survey years 2002+.				
	JS YOST		Yost Index (Across State)				
			Yost Quintile (Across State)		1	Low	
			(1000 2 1000)		5	High	
324 5	ST YOST	Num 8	Yost Index (State Specific)				
			Yost Quintile (State Specific)		1	Low	
					5	High	
326 (CENSA4	Num 8	Census urban-area based categorization A	CENSF	1	All Urban	
			3		2	Mostly Urban	
					3	Mostly Rural	
					4	All Rural	
					8	No Population	
327 F	RUCAC2	Num 8	RUCA based categorization C	RUCAF	1	Urban	
02.	100/102		Troop value and satisfies and the	1.007.11	2	Rural	
					8	Not coded	
-	The following variable	s are adde	led to the user requested analysis file for cancer o	if interest	1-	1	
	CA SEQ INDX		Sequence number for the first occurrence of			SEER file: sequence_number	
020	0OLG_IND/\	2	the selected cancer			SEET THIS TO OCCUPANT OF THE PROPERTY OF THE P	
329 (CATEXT	Char 20	Name for the selected cancer	1			
	CA SITE		Cancer site			SEER file: Site recode ICD O 3 WHO 2008	
	CA_YEAR		Year of cancer diagnosis			SEER file: year_of_diagnosis	
332 (CA_MON		Month of cancer diagnosis	1		SEER file: month_of_diagnosis_recode	
	FIRSTCA		Is the selected cancer the first cancer	+	0	No	
000		1.40111 0	(SEQUENCE NUMBER = 00 or 01)?		1	Yes	
334 (ONLYPRIM	Num 8	Is the selected cancer the only cancer	+	0	No No	
004	OTAL IT IVIIVI	Valid	(SEQUENCE NUMBER = 00)?		1	Yes	
335 1	MOSTRECTCA	Num º	Is the selected cancer the most recent cancer		0	No	
JJJ 1	WOOTNEOTOA	I VUIII O	before the survey (SEQUENCE_NUMBER =		1	Yes	
			SEQCABEF)		'	169	
			OLGOADET)				