Aging in Puerto Rico: Longitudinal Follow-Up of the PREHCO Study

Table. Key variables in the three waves of the project.

Measure	PREHCO 1	PREHCO 2	PREHCO 3
General information			
Identification number	CASEID	CASEID	CASEID
Result code	CODIGO	TCODE	CODIGO_W3
Weighting factor	FAC_T	FACTORT	FACTORT_w3 (for targets), FACTORTP_w3 (for targets and proxies)
Age	A1 (years of age at the time of W1 interview), A2_M (month of birth), A2_A (year of birth)	WEDA_R1 (years of age at the time of W2 interview)	EDAD_w3 (at the time of W3 interview, calculated with mob and yob)
Demographics			
Sex	SEXO	WSEX	SEXO_w3
Education	C10R1	WESC_R1	N/A
Marital status	MARI_R1	WMAR_R1	MARITAL_w3
Race	R2 (PREHCO categories)	WR2 (PREHCO categories) and WD39_1 WD39_2 WD39_3 (Census question)	N/A
Number of people in the household	C1NUM	WC1NUM	B1_w3
Physical Health			
Overall Self-Reported Health	G1	WG1	D1_w3
Diabetes	G8	WG8[1] WY11 (deceased), WF11 (institutionalized)	L12_w3, AH8D_w3 (deceased), AI7D_w3 (institutionalized)
Hypertension	G4	WG4[45] WY10 (deceased), WF10 (institutionalized)	L7_w3, AH8G_w3 (deceased), AI7G_w3 (institutionalized)
Myocardial infarction	G35	WG35, WY16 (deceased)), WF16 (institutionalized)	L41_w3, AH8I_w3 (deceased), AI7I_w3 (institutionalized)
Congestive heart failure	G36 (includes other conditions)	WG36[45] (includes other conditions)	L44_w3
Stroke	G40	WG40[45,] WY18 (deceased), WF18 (institutionalized)	L54_w3

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[1] Only for those not reporting the condition in W1.

Measure	PREHCO 1	PREHCO 2	PREHCO 3
TIA/mini stroke	N/A	N/A	L52_w3
Kidney disease	G21 (diabetes related)	WG21 (diabetes related), WY3=8 (renal failure as cause of death)	L24_w3 (diabetes related), AH8A_w3 (deceased), AI7A_w3 (institutionalized)
Cancer	G22 (skin cancer anytime), G24 (other cancer anytime), G26 (type), G27 (currently but not skin cancer)	WG22 [2] (skin cancer anytime), WG24 [46] (other cancer anytime), WG26 [46] (type), WG27 (currently but not skin cancer)	L31_w3 (currently has cancer), L33a_1_w3 to l33a_ot_w3 (type of cancer)
COPD	G31	WG31 [46]	L37_w3
Arthritis	G49	WG49 [46]	L61_w3
Health care access	K1 (health insurance), K50_1 to K50_5 (reasons why did not complete all the prescribed medical exams)	WK1 (health insurance), WK50_1 to WK50_3 (reasons why did not complete all the prescribed medical exams)	M1_w3 (health insurance), M17_1_w3 to M17_ot_w3 (why not complete medical exams), M23_w3 (days waiting physician), M24_w3 (days waiting specialist), M25_w3 (cannot get an appointment), M26_w3 to M36_w3 (additional variables)
Smoking	G161 (smoker anytime), G162 (currently smoker), G163A to G163C (current consumption)	WG161 (smoker anytime), WG162 (currently smoker), WG163_1 to WG163_3 (current consumption)	T1_w3 (smoker anytime), T2_w3 (currently smoker)
Alcohol use	G155 (last three months days/week drinking), G156A to G156D (number of drinks per type), CAGE scale items (G157 to G160)	WG155 (last three months days/week drinking), WG156_1 to WG156_4 (number of drinks per type), CAGE scale items (WG157 to WG160)	T7_w3 (last three months days/week drinking), T8a_w3 to T8d_w3 (number of drinks per type), CAGE scale items (T9_w3 to T12_w3)
Obesity	BMI and RBMI (body mass index), U2_P (waist), U3_P (hip)	WUBMI (body mass index), WU2E (waist), WU3E (hip)	AE5_w3 (height), AE8_w3 (weight), BMI_w3 (calculated BMI), R_BMI_w3 (BMI categories) WHR_w3 (waist/hip ratio)
Cognitive Health			
Minimental Cabán	FINALSCR (minimental score)	WFINSCR (minimental score)	MINIMEN_f_w3 (minimental score)
Subjective Cognition	N/A	N/A	C3_w3 (ability to make judgments), C4_w3 (ability to organize daily

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[2] Only for those not reporting the condition in W1.

Measure	PREHCO 1	PREHCO 2	PREHCO 3
			activities), F1_w3 (self-rated memory), F2_w3 (memory compared with 2 years ago)
Memory (10-word immediate and delayed recall)	N/A	N/A	WLL_w3 (immediate correct), WLD_w3 (delayed correct)
Verbal Fluency (Animal naming)	N/A	N/A	ANIMALS_w3 (correct), F25b_w3 (incorrect), F25c_w3 (repeated)
Orientation	b2rchk (year, day, month combined score), b2rchk (weekday score)	WB1Tchk (year, day, month combined score), WB2Tchk (weekday score)	A5a_p_w3 (year score), A5b_p_w3 (month score), A5c_p_w3 (day score), A6_p_w3 (weekday score)
Serial 7s	N/A	N/A	SERIAL7_w3 (calculated)
Overall cognitive function (HRS-TICS score)	N/A	N/A	TICS27_w3, R_TICS27_w3 (recoded TICS27 score), TICS35_w3, R_TICS35_w3 (recoded TICS35 score)[3]
Informant Questionnaire on Cognitive Decline (IQCODE)	N/A	N/A	IQCODE_w3 (IQCODE score), R_IQCODE_w3 (recoded IQCODE)
The Eight-item Informant Interview to Differentiate Aging and Dementia (AD8)	N/A	N/A	AD8F_W3 (for deceased), AD8I_W3 (for institutionalized), R_AD8F_W3 (recoded), R_AD8I_W3 (recoded)
Disability			
Activities of Daily Living (ADLs)	I9 (eating), I10 (getting dressed), I11 (toilet), I12 (walking), I13 (up from bed), I14 (bathing)	WI9 (eating), WI10 (getting dressed), WI11 (toilet), WI12 (walking), WI13 (up from bed), WI14 (bathing)	Q1_w3 (eating), Q2_w3 (getting dressed), Q3_w3 (toilet), Q4_w3 (walking), Q5_w3 (up from bed), Q6_w3 (bathing)
Instrumental ADLs	I1 (phone use), I2 (transportation), I3 (shopping), I4 (food preparation), I5 (household chores), I6 (medication use), I7 (managing finances)	WI1 (phone use), WI2 (transportation), WI3 (shopping), WI4 (food preparation), WI5 (household chores), WI6 (medication use), WI7 (managing finances)	Q14_w3 (phone use), Q15_w3 (transportation), Q16_w3 (shopping), Q17_w3 (food preparation), Q18_w3 (household chores), Q19_w3 (medication use), Q20_w3 (managing finances)
Physical Performance			
Balance (one leg stand)	U6_S (time), LEGSTAND (calculated variable)	WU7e (time)	AE17a_w3 (time), AE17_w3 (10 sec achieved)

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[3] R_TICS27_w3: 0-6= dementia, 7-11= cognitive impairment no dementia (CIND), 12-27=normal.
R_TICS35_w3: 0-9= cognitive impairment.

Measure	PREHCO 1	PREHCO 2	PREHCO 3
Mobility (timed Up and Go test)	U7_S (time), get_up (calculated variable)	WU8E (time)	AE21_w3 (time)
Grip Strength	N/A	WU11F (hand used), WU11E_1 (adjustment), WU11E_2 (first measurement), WU11E_3 (second measurement)	AE24a_w3 (first hand used), AE24b_w3 (first measurement), AE24c_w3 (second measurement), AE25a_w3 (second hand used), AE25b_w3 (first measurement), AE25c_w3 (second measurement)
Mental Health			
Geriatric Depression Scale (GDS 15-item)	G171 to G185, DEPRE_Y (calculated)	WG171 to WG185, WDEPRE_Y (calculated)	Z1_w3 to Z15_w3, GDS_w3 (calculated)
Self-reported Depression	G149	WG149 [4]	L105_w3
Anxiety (BAI 5-item)	N/A	N/A	BAI_w3 (calculated)
Quality of Life (VR-12)	N/A	N/A	VR12_PCS_w3 (VR-12 Physical Component Score) VR12_MCS_w3 (VR-12 Mental Component Score)
Life Satisfaction (single item)	N/A	N/A	P5_w3
Perceived stress (PSS 4-item)	N/A	N/A	PSS_w3
Late-Life Stressors			
Hurricane-related stressors	N/A	N/A	AB1_w3 to AB39_w3 (items about Hurricane Maria)
Financial stressors	N71 (paying daily expenses), N72 (paying health expenses)	WN71 (paying daily expenses), WN72 (paying health expenses)	X1_w3 (paying daily expenses), X2_w3 (paying health expenses)
Loneliness (UCLA 3-item)	N/A	N/A	K1_w3 -- K3_w3
Resilience-Enhancing Factors			
Active Coping (Brief Resilient Coping Scale)	N/A	N/A	BRCS_w3 (Brief Resilience Coping Scale) R_BRCS_w3 (Brief Resilience Coping Scale recoded) [5]
Emotional Stability	N/A	N/A	NEUROT_w3 (neuroticism)

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[4] Only for those not reporting the condition in W1.

[5] Scores of 4-13 indicate low resilient coping, 14-16 indicate medium resilient coping and 17-20 indicate high resilient coping.

Measure	PREHCO 1	PREHCO 2	PREHCO 3
Religiosity	D31 (religion), D32 (attends religious services), D33 (frequency), D34 (religiousness), D35 (compared with when was 40), D36 (religion helps to deal with health problems), D37 (religion helps to deal with other problems), D38 (frequency of participation)	WD31 (religion), WD32 (attends religious services), WD33 (frequency), WD34 (religiousness), WD35 (compared with previous interview), WD36 (religion helps to deal with health problems), WD37 (religion helps to deal with other problems), WD38 (frequency of participation)	H1_w3 (religion), H2_w3 (religiousness), H3_w3 (compared with 10 years ago), H4_w3 (attendance of religious services), H5_w3 (frequency), H6_w3 (religion helps to deal with health problems), H7_w3 (religion helps to deal with other problems), H8_w3 (frequency of participation)
Social Support (Lubben Social Network Scale – 6 (LSNS-6)	N/A	N/A	SSN_w3
Family Social Network	C1num=1 (living alone), C4r1_1 to C4r10_1 =1 (spouse in the household), L4r21=1 and Dond_r21=1,2,3 or 4 to L4r40=1 and Dond_r40=1,2,3 or 4 (living children in PR)	Wc1num=1 (living alone), Wpar_r1 to Wpar_r18=1 (spouse in the household), Wl4r21=1 and Wdon_r21=1,2,3 or 4 to Wl4r53=1 and Wdon_r53=1,2,3 or 4 (living children in PR)	B1_w3=1 (living alone), B2c_p2_w3 to B2c_p9_w3 =1 (spouse in the household), I2_w3+I5_w3 (living children in PR), I20_w3+I23_w3 (living siblings in PR)
Early Life Social and Environmental Conditions			
Literacy	C8R1 (reported ability to read), C9R1 (reported ability to write)	WC8R1 (reported ability to read), WC9R1 (reported ability to write)	N/A
Childhood Health	H14 (self-reported childhood health status), H17A (typhus), H17B (hepatitis), H17C (tuberculosis), H17D (rheumatic fever), H17E (polio), H17F (malaria), H17G (dengue), H17H (measles), H17I (chickenpox), H17J (mumps), H17K (smallpox), H17L (pneumonia), H17M (asthma), H17N (chronic bronchitis)	WH14 (self-reported childhood health status) , WH17A (typhus), WH17B (hepatitis), WH17C (tuberculosis), WH17D (rheumatic fever), WH17E (polio), WH17F (malaria), WH17G (dengue), WH17H (measles), WH17I (chickenpox), WH17J (mumps), WH17K (smallpox), WH17L (pneumonia), WH17M (asthma), WH17N (chronic bronchitis)	N/A
Knee Height	U5_P (knee height in inches)	WU5E (knee height in inches)	N/A
Adult SES and Working Conditions			
Income	N56 to N60 (household income brackets)	WN55 (reported household income), WN56 to WN60 (household income brackets)	W20_w3 (reported household income), W21_w3 to W25_w3 (household income brackets)

Measure	PREHCO 1	PREHCO 2	PREHCO 3
Migration	O3 (moved after 18), O4 (times moved after 18) O10b (years lived in the US), O11 (3 months or more/year outside PR)	WO10b (years lived in the US after 18), WO11 (3 months or more/year outside PR)	U1_w3 (lived in the US last 15 years for 3 months or more), U4_w3 (main reason to move to the US), U5_w3 (main reason to return from the US), U6_w3 (3 months or more/year outside PR)
Occupation	CODE_N25 (main lifetime occupation)	N/A	N/A
Retirement	N5 (retired)	WN5 (retired)	V1_w3 (retired), V2_w3 (age at retirement)