



**Total and Active numbers and percentages of
TARCC participants
by diagnostic category, ethnicity and sex**

Data are current as
of August 31, 2016

Total Enrollment Count										
	Women			Men			All			
Diagnosis	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	
AD	112	603	715	62	497	559	174	1100	1274	
MCI	214	205	419	114	190	304	328	395	723	
NC	528	457	985	198	259	457	726	716	1442	
All	854	1265	2119	374	946	1320	1228	2211	3439	

Total Enrollment Percent										
	Women			Men			All			
Diagnosis	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	
AD	16%	84%	56%	11%	89%	44%	14%	86%	100%	
MCI	51%	49%	58%	38%	63%	42%	45%	55%	100%	
NC	54%	46%	68%	43%	57%	32%	50%	50%	100%	
All	40%	60%	62%	28%	72%	38%	36%	64%	100%	

Active Enrollment Count										
	Women			Men			All			
Diagnosis	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	
AD	49	127	176	24	133	157	73	260	333	
MCI	144	120	264	67	117	184	211	237	448	
NC	357	295	652	114	174	288	471	469	940	
All	550	542	1092	205	424	629	755	966	1721	

Active Enrollment Percent										
	Women			Men			All			
Diagnosis	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	Hispanic	non-Hispanic	Total	
AD	28%	72%	53%	15%	85%	47%	22%	78%	100%	
MCI	55%	45%	59%	36%	64%	41%	47%	53%	100%	
NC	55%	45%	69%	40%	60%	31%	50%	50%	100%	
All	50%	50%	63%	33%	67%	37%	44%	56%	100%	

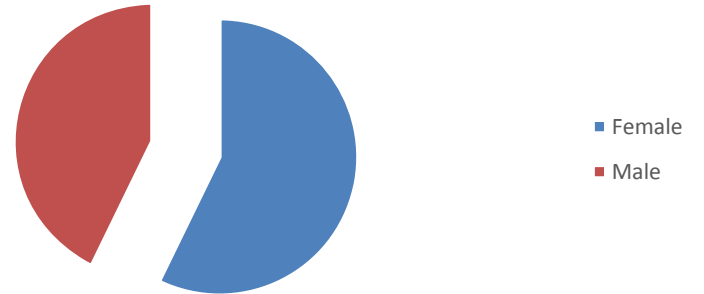
**Total and Active percentages of TARCC participants
by diagnostic category, ethnicity and sex**

Data are current as
of August 31, 2016

Hispanic



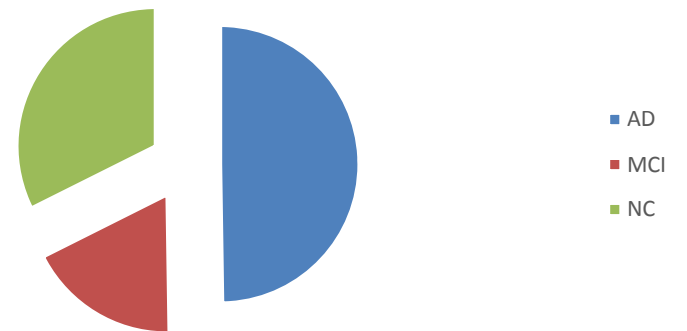
Non-Hispanic



Hispanic



Non-Hispanic





**Total and Active numbers of TARCC participants
by diagnostic category, race and ethnicity**

Data are current as
of August 31, 2016

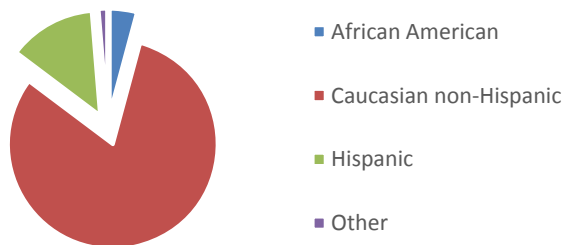
Total				
Race/Ethnicity	AD	MCI	NC	Total
African American	52	43	48	144
Caucasian non-Hispanic	1006	325	644	1975
Hispanic	167	314	697	1176
Other	16	6	10	32
Total	1240	688	1399	3327

Active				
Race/Ethnicity	AD	MCI	NC	Total
African American	17	39	36	92
Caucasian non-Hispanic	242	196	429	867
Hispanic	73	211	471	755
Other	4	6	7	17
Total	336	452	943	1731

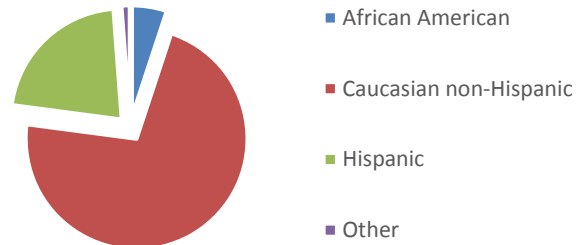
Total and Active percentages of TARCC participants by diagnostic category, race and ethnicity

Data are current as
of August 31, 2016

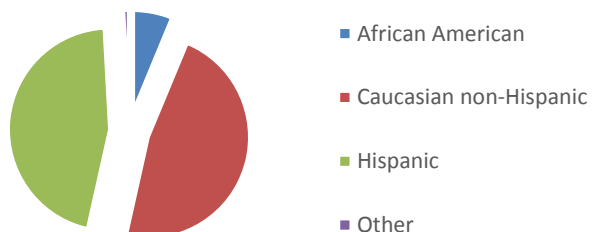
Enrolled AD



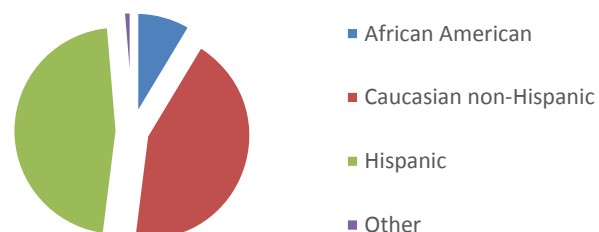
Active AD



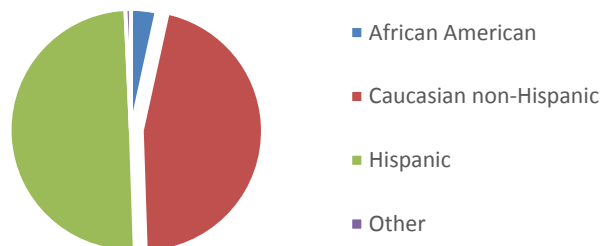
Enrolled MCI



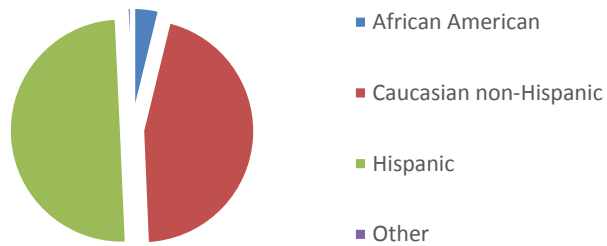
Active MCI



Enrolled NC



Active NC

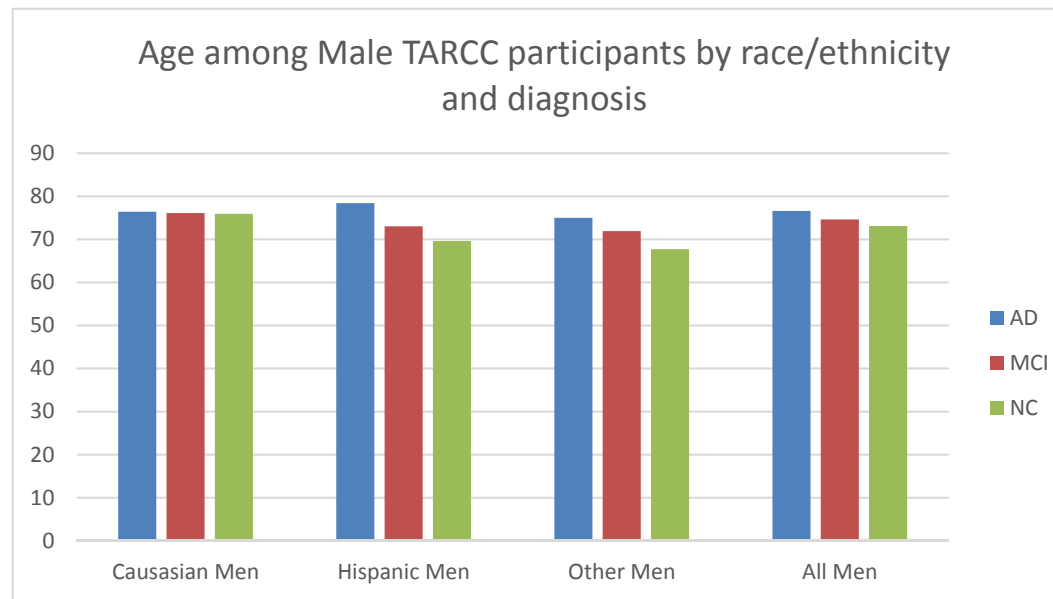
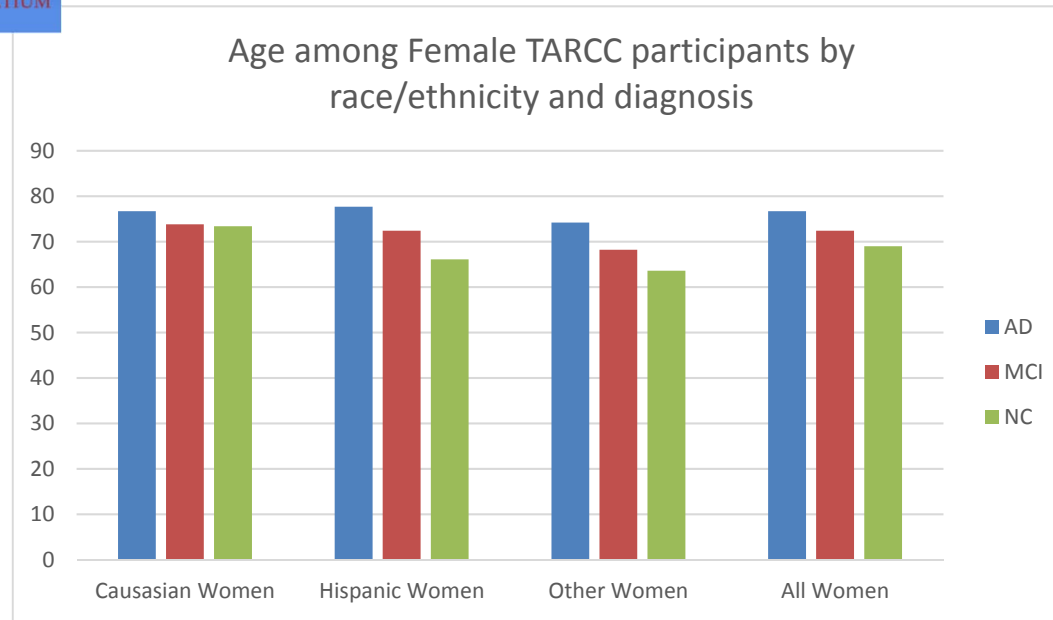


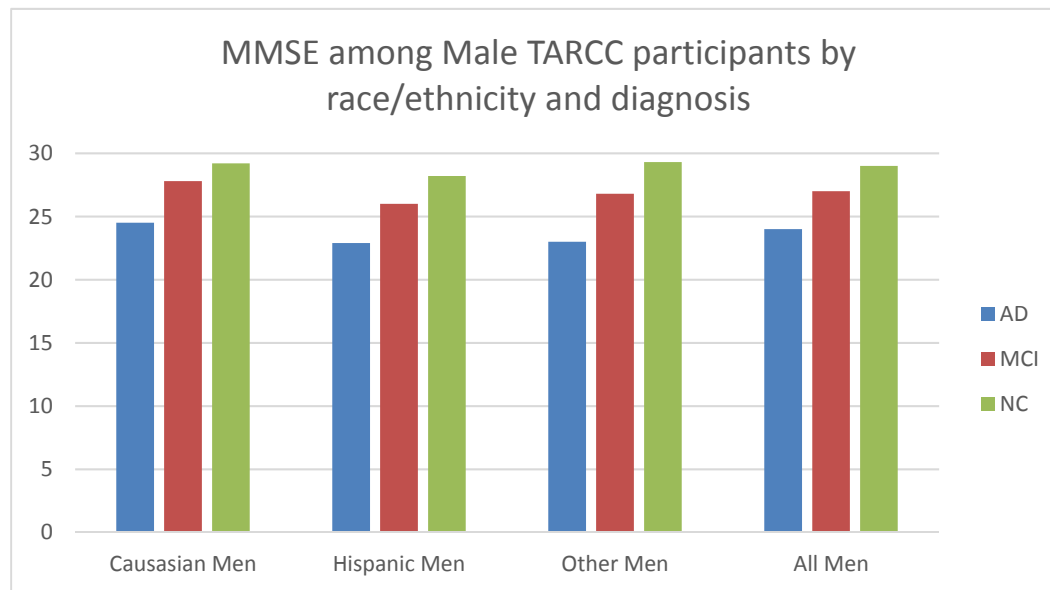
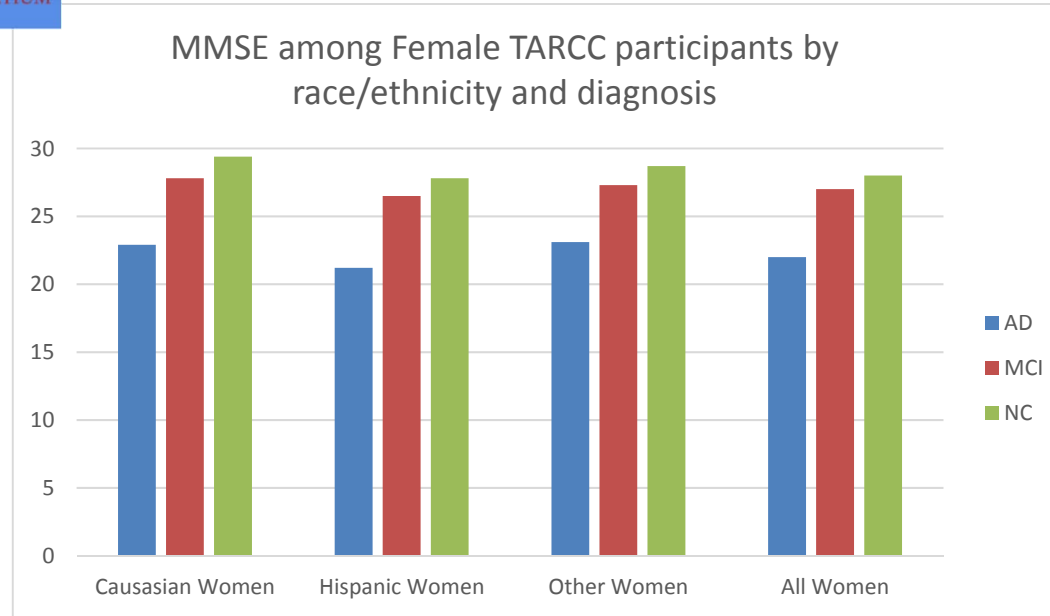
**Mean (std. dev.) age, MMSE and years of education of
active TARCC participants
by diagnostic category, ethnicity and sex**

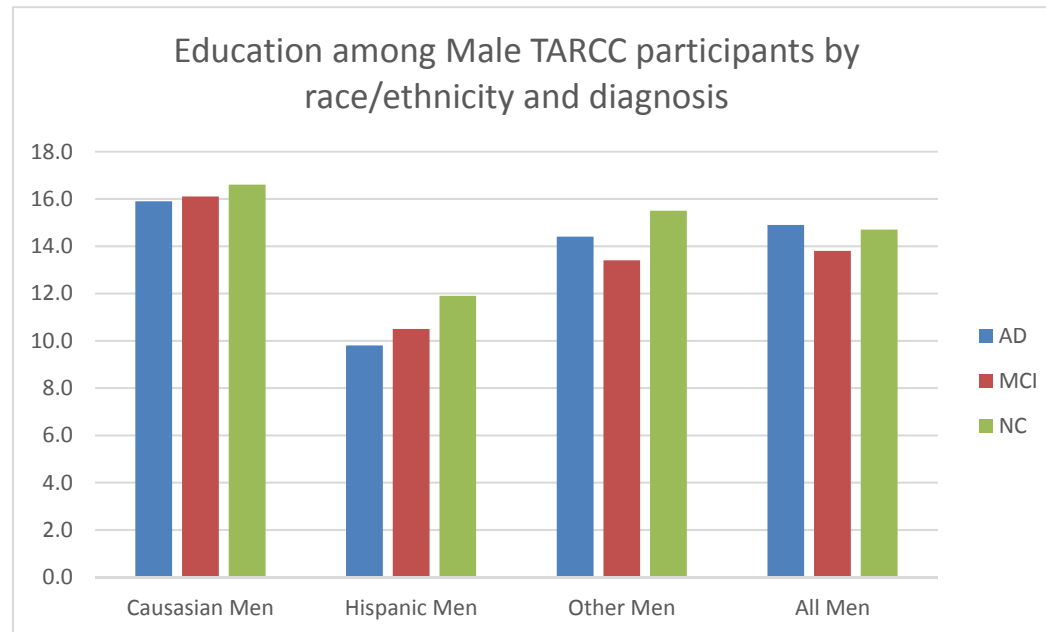
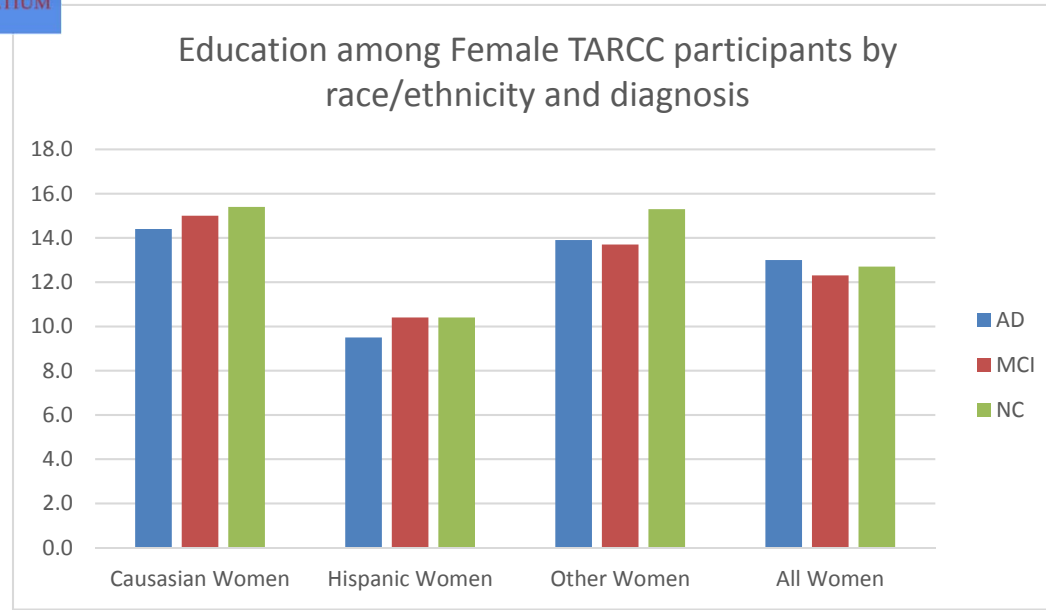
AD	Causasian Women		Hispanic Women		Other Women		All Women		Causasian Men		Hispanic Men		Other Men		All Men	
	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D
Age	76.7	9.3	77.7	7.9	74.2	10	76.7	9	76.4	8.6	78.4	7.1	75	11.1	76.6	8.4
MMSE	22.9	3.5	21.2	4.8	23.1	3.7	22	4	24.5	3.2	22.9	4.3	23	3.2	24	3.4
Education	14.4	2.6	9.5	4.4	13.9	3.2	13	3.9	15.9	2.6	9.8	4.8	14.4	2.6	14.9	3.7
	N = 111		N = 49		N = 16		N = 176		N = 128		N = 24		N = 5		N = 157	

MCI	Causasian Women		Hispanic Women		Other Women		All Women		Causasian Men		Hispanic Men		Other Men		All Men	
	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D
Age	73.8	8.4	72.4	8.1	68.2	7.3	72.4	8.3	76.1	7.2	73	6.7	71.9	9.5	74.6	7.4
MMSE	27.8	1.9	26.5	2.9	27.3	1.7	27	2.5	27.8	2.2	26	3.1	26.8	2.4	27	2.7
Education	15	2.4	10.4	3.8	13.7	1.9	12.3	3.9	16.1	2.5	10.5	5	13.4	3	13.8	4.5
	N = 93		N = 144		N = 27		N = 264		N = 100		N = 67		N = 17		N = 184	

NC	Causasian Women		Hispanic Women		Other Women		All Women		Causasian Men		Hispanic Men		Other Men		All Men	
	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D	Mean	S D
Age	73.4	9	66.1	8.1	63.6	5.8	69	9.2	75.9	8.5	69.6	7.1	67.7	8.1	73.1	8.6
MMSE	29.4	0.8	27.8	2.3	28.7	1.4	28	1.9	29.2	1.1	28.2	2.1	29.3	1	29	1.6
Education	15.4	2.4	10.4	4.4	15.3	2.5	12.7	4.4	16.6	2.4	11.9	4.5	15.5	2.8	14.7	4.1
	N=264		N=357		N=31		N=652		N=162		N=114		N=12		N=288	









Data are current as
of August 31, 2016

Longitudinal accrual of total TARCC participants

Totals	1 Visit	2 Visits	3 Visits	4 Visits	5 Visits	6 Visits	7 Visits	8 Visits	9 Visits
AD	1275	962	729	525	330	196	93	40	23
MCI	723	554	415	309	196	115	53	9	0
NC	1445	1145	969	805	666	479	326	222	136
Other	4	4	3	3	2	1	1	1	1
Total	3447	2665	2116	1642	1194	791	473	272	160



Data are current as
of August 31, 2016

TARCC participants with changes in diagnostic status

Baseline	Current	Count
AD	MCI	14
AD	Other	6
MCI	AD	137
MCI	NC	107
MCI	Other	29
NC	AD	15
NC	MCI	144
NC	Other	17
Other	AD	1
Other	MCI	2
	Total:	472



Distribution of anti-dementia medications
among total TARCC participants

Data are current as
of August 31, 2016

Diagnosis	Ethnicity Gender	Donepezil (Aricept)	Galantamine (Reminyl)	Rivastigmine (Exelon)	Tacrine	Memantine (Namenda)	Capriylidene (Axona)	Other
AD	Caucasian Men	202	20	53	0	169	4	1
AD	Caucasian Women	236	18	39	0	154	1	0
AD	Hispanic Men	19	1	3	0	17	0	0
AD	Hispanic Women	31	3	10	0	25	0	0
AD	Other Men	6	0	1	0	4	0	0
AD	Other Women	16	0	2	0	11	0	0
MCI	Caucasian Men	34	7	9	0	23	0	0
MCI	Caucasian Women	38	2	7	0	12	0	0
MCI	Hispanic Men	1	0	1	0	0	0	0
MCI	Hispanic Women	1	1	0	0	0	0	0
MCI	Other Men	1	0	0	0	0	0	0
MCI	Other Women	2	0	0	0	1	0	0



Occurrence of comorbidities among total TARCC participants Pg 2

Data are current as of August 31, 2016

Baseline Diagnosis	Ethnicity/Gender	Hyper tension	Hyper cholesterolemia	Diabetes	B12 Deficiency	Thyroid Disease	Depression Past 2 Yrs	Depression Prior	Smoked > 30 Pack Years	Psychiatric Disorder
AD	Caucasian Women	324	309	44	28	147	164	151	22	46
AD	Hispanic Women	82	71	36	16	28	42	29	11	10
AD	Other Women	40	29	8	4	5	13	8	1	3
AD	Caucasian Men	254	303	61	27	63	96	94	14	23
AD	Hispanic Men	40	44	24	9	4	16	7	5	2
AD	Other Men	16	15	4	2	1	3	2	2	1
MCI	Caucasian Women	102	90	18	12	63	39	35	9	11
MCI	Hispanic Women	139	130	73	16	50	63	53	14	11
MCI	Other Women	25	11	6	0	5	2	2	2	2
MCI	Caucasian Men	100	113	30	12	23	26	24	11	11
MCI	Hispanic Men	80	60	39	9	6	18	17	11	6
MCI	Other Men	13	11	3	1	1	3	4	1	0
NC	Caucasian Women	191	187	30	13	107	71	78	18	8
NC	Hispanic Women	277	249	173	24	93	90	77	53	8
NC	Other Women	21	17	7	1	5	4	5	1	0
NC	Caucasian Men	140	140	32	2	17	11	22	8	3
NC	Hispanic Men	113	97	67	4	10	13	9	30	4
NC	Other Men	15	11	4	0	2	0	0	3	1



Mean test scores for TARCC Participants
diagnosed with probable Alzheimer's disease
by race and ethnicity

Data are current as
of August 31, 2016

Diagnostic Category	AD					
	Women			Men		
Ethnicity	Caucasian	Hispanic	Other	Caucasian	Hispanic	Other
Age at Enrollment	76.29	75.43	73.96	74.72	75.40	72.86
Education	14.15	9.07	13.02	15.58	10.61	15.24
MMSE	21.20	20.01	19.40	22.46	20.71	22.05
CDR Global	1.08	0.91	1.20	0.92	0.94	0.81
Cowat	7.73	5.88	5.95	7.63	5.81	7.10
Boston60	6.67	4.25	3.69	7.63	5.23	4.05
Amnart	9.47	6.63	7.38	9.30	7.53	7.82
Trails A	6.96	5.01	5.42	7.28	5.24	5.67
Trails B	5.66	3.73	4.00	6.26	4.70	4.73
Digit Span Total	8.61	6.07	7.22	8.79	6.28	8.15
LM II	3.26	4.80	3.00	3.91	5.04	4.33
VR I	5.34	4.19	4.48	5.90	5.35	5.60
VR II	3.81	5.22	4.69	4.55	5.92	5.30



Mean test scores for TARCC Participants
diagnosed with Mild Cognitive Impairment (MCI)
by race and ethnicity

Data are current as
of August 31, 2016

Diagnostic Category	MCI					
	Women			Men		
Ethnicity	Caucasian	Hispanic	Other	Caucasian	Hispanic	Other
Age at Enrollment	72.87	69.98	66.27	73.42	70.20	69.61
Education	14.67	9.76	13.52	15.59	10.76	13.33
Avg MMSE	27.60	25.93	27.18	27.67	25.89	26.72
CDR Global	0.45	0.46	0.45	0.50	0.47	0.47
Cowat	9.62	6.78	7.88	9.64	6.88	10.00
Boston60	9.56	4.89	6.44	11.18	6.21	8.00
Amnart	11.00	7.95	7.33	10.90	8.80	6.93
Trails A	9.94	6.95	9.21	10.05	6.75	9.44
Trails B	8.83	6.06	7.84	9.75	6.82	9.06
Digit Span Total	9.74	7.14	9.00	10.52	7.48	10.56
LM II	7.78	8.88	7.80	7.53	7.86	7.57
VR I	8.27	6.50	7.06	9.45	7.41	8.28
VR II	7.98	8.20	8.79	8.61	8.52	9.28



Mean test scores for TARCC Participants
 diagnosed as Cognitively Normal (NC)
 by race and ethnicity

Data are current as
 of August 31, 2016

Diagnostic Category	NC					
	Women			Men		
	Caucasian	Hispanic	Other	Caucasian	Hispanic	Other
Age at Enrollment	69.40	62.42	62.40	71.92	64.90	66.65
Education	15.15	10.04	15.25	16.41	10.91	15.45
Avg MMSE	29.37	27.84	28.78	29.18	27.84	29.15
CDR Global	0.00	0.00	0.01	0.00	0.00	0.05
Cowat	11.34	7.82	10.65	11.17	8.08	11.75
Boston60	12.19	5.64	8.65	13.47	6.63	10.15
Amnart	12.36	8.88	9.32	12.51	8.96	8.44
Trails A	10.97	7.67	10.70	11.38	7.93	12.21
Trails B	11.29	7.70	9.98	11.49	8.12	11.50
Digit Span Total	11.21	7.54	9.40	12.02	8.09	11.95
LM II	13.44	10.66	11.39	12.89	10.28	13.00
VR I	11.44	8.24	9.79	12.09	9.06	10.67
VR II	12.65	9.87	11.00	12.87	10.66	12.39



Counts show number of visits with samples from participants diagnosed with probable Alzheimer's disease (AD)

Data are current as of August 31, 2016

AD

Non Hispanic *	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9
	DNA	897	638	433	274	167	77	25	10	3
	Plasma	919	665	452	290	179	81	29	16	4
	Serum	930	676	457	291	177	85	27	17	3
	Whole Blood	904	617	421	269	147	61	26	8	4

Hispanic *	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9
	DNA	163	107	72	43	17	6	0	0	0
	Plasma	165	112	74	40	20	9	1	0	0
	Serum	164	111	71	43	21	8	2	0	0
	Whole Blood	156	106	71	40	12	4	0	0	0

Total	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9
	DNA	1060	745	505	317	184	83	25	10	3
	Plasma	1084	777	526	330	199	90	30	16	4
	Serum	1094	787	528	334	198	93	29	17	3
	Whole Blood	1060	723	492	309	159	65	26	8	4

* Both Hispanic and Non Hispanic participants in the Harris Alzheimer's Study are predominantly Caucasian. For a description of the racial breakdown of the cohort, please see the Table entitled: "Total and Active numbers of TARCC participants by diagnostic category, race and ethnicity".



Counts show number of visits with samples from participants diagnosed with Mild Cognitive Impairment (MCI)

Data are current as of August 31, 2016

		MCI								
Non Hispanic *	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9
	DNA	354	249	169	121	75	38	15	3	0
	Plasma	376	267	184	132	81	49	16	2	0
	Serum	370	267	187	133	83	47	17	3	0
	Whole Blood	351	248	173	122	70	35	11	3	0
Hispanic *	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9
	DNA	313	239	169	107	49	22	10	0	0
	Plasma	316	245	177	110	55	28	11	0	0
	Serum	317	243	174	111	59	33	12	0	0
	Whole Blood	302	238	172	99	42	26	10	0	0
Total	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9
	DNA	667	488	338	228	124	60	25	3	0
	Plasma	692	512	361	242	136	77	27	2	0
	Serum	687	510	361	244	142	80	29	3	0
	Whole Blood	653	486	345	221	112	61	21	3	0

* Both Hispanic and Non Hispanic participants in the Harris Alzheimer's Study are predominantly Caucasian. For a description of the racial breakdown of the cohort, please see the Table entitled: "Total and Active numbers of TARCC participants by diagnostic category, race and ethnicity".



Counts show number of visits with samples from participants diagnosed as Cognitively Normal (NC)

Data are current as of August 31, 2016

		NC									
Non Hispanic *	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visit 10
	DNA	664	538	436	375	317	257	185	118	64	23
	Plasma	684	555	446	380	326	256	192	133	73	23
	Serum	683	554	454	384	328	260	185	137	76	34
	Whole Blood	655	522	434	359	291	225	160	93	49	15
Hispanic *	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visit 10
	DNA	698	515	415	336	198	107	45	10	4	2
	Plasma	704	528	428	326	207	113	48	9	5	1
	Serum	709	531	436	346	215	110	49	9	6	3
	Whole Blood	644	499	416	328	197	75	27	6	4	1
Total	Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visit 10
	DNA	1362	1053	851	711	515	364	230	128	68	25
	Plasma	1388	1083	874	706	533	369	240	142	78	24
	Serum	1392	1085	890	730	543	370	234	146	82	37
	Whole Blood	1299	1021	850	687	488	300	187	99	53	16

* Both Hispanic and Non Hispanic participants in the Harris Alzheimer's Study are predominantly Caucasian. For a description of the racial breakdown of the cohort, please see the Table entitled: "Total and Active numbers of TARCC participants by diagnostic category, race and ethnicity".



Counts show number of visits with samples from all TARCC participants

Data are current as of August 31, 2016

ALL

Non Hispanic *

Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visit 10
DNA	1915	1425	1038	770	559	372	225	131	67	23
Plasma	1979	1487	1082	802	586	386	237	151	77	23
Serum	1983	1497	1098	808	588	392	229	157	79	35
Whole Blood	1910	1387	1028	750	508	321	197	104	53	15

Hispanic *

Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visit 10
DNA	1174	861	656	486	264	135	55	10	4	2
Plasma	1185	885	679	476	282	150	60	9	5	1
Serum	1190	885	681	500	295	151	63	9	6	3
Whole Blood	1102	843	659	467	251	105	37	6	4	1

Total

Sample Type	Baseline	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visit 10
DNA	3089	2286	1694	1256	823	507	280	141	71	25
Plasma	3164	2372	1761	1278	868	536	297	160	82	24
Serum	3173	2382	1779	1308	883	543	292	166	85	38
Whole Blood	3012	2230	1687	1217	759	426	234	110	57	16

* Both Hispanic and Non Hispanic participants in the Harris Alzheimer's Study are predominantly Caucasian. For a description of the racial breakdown of the cohort, please see the Table entitled: "Total and Active numbers of TARCC participants by diagnostic category, race and ethnicity".