Participant ID	Nickname	Outcome Visit

DPPOS **Q17.3** July 2016 Page 1 of 9

Diabetes Prevention Program Outcomes Study **Q17 Cognitive Assessments Questionnaire**

This form is administered by the interviewer at the 15A and 18A visits. Read	and follow instructions given for each section.
A. <u>Participant Identification</u>	
1. Clinic number	
2. Participant number	
3. Nickname	
4. Date of randomization	month day year
5. Sex	Male Female 2
6. Outcome visit	VISIT
7. Date of visit	month day year Q17VSTDT Replaced by DAYSRAND
B. <u>Participant Information</u>	
1. What language were the tests administered in?	English Spanish 2 Q17LANG
2. Handedness	Right Left 2 Q17HANDED
3. Hearing	Adequate Inadequate 2 Q17HEARING
4. Vision	Adequate Inadequate 2 Q17VISION
Identification code of cognitive assessments interviewer Identification code of person reviewing completed form	Form entered in computer?
Date chosen for mailing: Date maile vegr	

Participant ID		Nickname		Outcome Visit		DPPOS Q17.3 July 2016 Page 2 of 9
UNDERWENT V PLEASE KNOV	script: OW-UP AS WITH SMAI V THAT NO	SESSMENT OF I LL CHANGES. W ONE PERFORM	/E ONLY ASK Y AS PERFECTLY I	OU TO DO YOU IN THE TESTS."	OGNITIVE TESTS THAT Y IR BEST AND PUT FORTH	
"THE TESTS US NOT MEANT T DOCTOR COI ABILITIES IN G	ED TO ASS O BE USED ULD USE TO GENERAL, V	ESS MEMORY A FOR CLINICAI TREAT YOU. H VE WILL PROVID	AND COGNITION OF THE PROPERTY	ON IN DPPOS AI IN OTHERS WO OU ARE CONCE	out their memory, say: RE FOR RESEARCH PURF RDS, THIS IS NOT INFOR RNED ABOUT YOUR ME NTACT INFORMATION RNS."	MATION THAT A MORY OR MENTAL
Manual secti	e 3MS Asso on 2.1 for		d scripts for th		OSST tests. Refer to Neu The script to be read to	rocognitive Functional o participants is in
1. Place	ce & date	OI DITITI	PLDTBT			Score (5)
	Town:				State:	
Say to the partic	ipant, "WH	IEN WERE YOU BO	ORN?"			
	Year: _		Month: _		Day:	
If the participan	t gives part	of the information	on, ask them for	missing informat	ion.	
2. Reg	gistration:	Q17RGTION	1			Score (3)
"I AM GOING TO	SAY THREE	WORDS FOR YO	U TO REMEMBER	R. REPEAT THEM A	FTER I HAVE SAID ALL THRE	E".
	Shirt _	, Brov	vn ,	Honesty _		
sure of the word	ds, say "WH ds up to th	IAT THREE WORD ree times The fir	S TO YOU THIN st re-presentati	K I JUST SAID?" If on of the three v	the participant cannot i	N." If the participant is not repeat all three words, re- ME SAY THE THREE WORDS IL".
	No. pres	entations (ma	× 4):	-		
3. Mei	ntal revers	al (coach fwd	. once if need	ded) Q17MTL	RVAL	Score (7)
• •		•		t, say "SAY, ONE, OS FROM 5 TO 1."	TWO, THREE, FOUR, FIVE."	If the subject can or
	<u>5 to 1</u> :	(Can	Can't		3 4 5	
		Accurate			2	
		1 or 2 errors/m 3 or more errors			1 O	
	D." (rate d	" If cannot spell of 1.5 sec per	correctly, say letter). Whethe	r or not they sp	D-R-L-D." If the participar celled it correctly, say '	
	DLKOW:	. (Can	Can't	Spell WORLD)		

Participant ID	Nickname Outcome Vis	it	DPPOS Q17.3
			July 2016
			Page 3 of 9
4. First recall of	of three words Q17FTRCAL		Score (9)
			3COIE (7)
	VHAT THREE WORDS DID I ASK YOU TO REMEMBER		
	followed by multiple choices if necessary. Do n after category cuing., before providing next lev		
	prompts. If the participant did not remember o		
REMEMBER ARE SHIRT, BRO		•	
	Spontaneous recall	3	
	After "Something to wear"	2	
	After "SHOES, SHIRT, SOCKS"	1	
	Still does not know	0	
	Spontaneous recall	3	
	After "A color"	2	
	After "BLUE, BLACK, BROWN"	1	
	Still does not know	0	
	Spontaneous recall	3	
	After "A good personal quality"	2	
	After "HONESTY, CHARITY, MODESTY"	1	
	Still does not know	0	
5. Temporal o	prientation Q17TEMPORT		6 (15)
J. Temporaro	Meridion & Trewi Orti		Score (15)
Say to the participant, "V	VHAT IS TODAY'S DATE?" Probe for items not repo	orted, "What year is this?" etc.	
<u>Year</u>			
	Accurate	8	
	Missed by 1 yr.	4	
	Missed by 2 - 5 yrs.	2	
	Missed by > 5 yrs.	0	
<u>Month</u>			
	Accurate or within 5 days	2	
	Missed by 6 days to 1 mo.	1	
	Missed by > 1 mo.	0	
	,		
<u>Date</u> (d	of the month)		
	Accurate	3	
	Missed 1-2 days	2	
	Missed 3-5 days	1	
	Missed > 5 days	0	
Say to the participant, 'W	/hat is the day of the week?' If no response, say	y, 'Is it Sunday, Monday, etc.)	
<u>Day</u> (o	f the week)		
	Accurate	1	
	Inaccurate	0	
Say to the participant, , V	What season is this?		
	(changes ~ 21st of March, June, Septemb	er, & December)	
	Accurate (within 30 days)	1	
	Inaccurate	0	
6. Spatial orie	entation Q17STLORT		Score (5)
For State, County, City/To	own- Say to the participant, "WHATARE IN?"	For last item, say, "ARE WE IN	. ,
CLINIC OR A HOME!	State	0 2	
	County	0 1	
	City/Town	0 1	
	Store/Hospital(Clinic)/Home?	0 1	
	,,,,,,,,,	· ·	

Outcome Visit

Participant ID

Nickname

articipant ID	Nickname	Outco	ome Visit		DPPOS Q17.3
					July 2016
					Page 4 of 9
7	Name in a 10 as a suda ta usan	017NMNG	<u> </u>		
7.	Naming (2 seconds to nar	ne each) Qirinimi	•		Score (5)
"WHAT DO	YOU CALL THIS PART OF THE FA	CE?" (point to middle of t	orehead)	Forehead	
"AND THIS	PART?" (point to your chin)			Chin	
"AND THIS	PART OF THE BODY?" (point to y	our shoulder)		Shoulder	
"AND THIS	PART?" (point to your elbow)			Elbow	
"AND THIS	PART OF THE HAND?" (point to)	vour knuckle)		Knuckle	
				RIOCKIC	
8.	Four-legged animals (30 se	econds) Q17FRLGAN	Л		Score (10)
gives an i	e participant, "WHAT ANIMALS H incorrect response say, "I WAN' HAVE FOUR LEGS?"				
	2	3	4	5	
'	Z		¬		
6	7	8	9	10	
9	Similarities (coach with Ord	ange-Banana) Q179	SMLTIES		Score (6)
Say to the with questi	participant, "AN APPLE AND A ons below:	BANANA ARE <u>ALIKE</u> IN T	HAT THEY ARE <u>BOTH</u> FRU	IT." Wait 2 sec and	then proceed
40000	<u>Arm-Leg</u> (Teach if sco	re <2)			
"IN WHAT V	VAY ARE AN ARM AND A LEG A	LIKE", or "AN ARM AND A	LEG ARE BOTH?"		
		limbs; extremities	2		
	Other corre		1		
	incorrect; te	ells difference; doesn't	know 0		
"!!! \A/!! A T \	Laughing-Crying	IC ALIKE" - " "CDVING A	ND LAUGUING ARE ROTE	. 0"	
"IN WHAI V	VAY ARE CRYING AND LAUGHII Feelings; er		ND LAUGHING ARE BOIF	1 <i>f</i> "	
	Other corre		1		
		ells difference; doesn'	•		
	<u>Eating-Sleeping</u>				
"IN WHAT V	VAY ARE AN EATING AND A SLE	EPING ALIKE", or "SLEEPIN	IG AND EATING ARE BOT	H?"	
		oodily functions; <u>essen</u>	<u>tial</u> for life 2		
	Other corre]		
	incorrect; re	ells difference; doesn't	know 0		
10.	Repetition Q17RPTON				Score (5)
Tell the par	ticipant: "REPEAT EXACTLY WHA	T I SAY'HE WOULD LIKE	TO GO HOME.'"		(-,
	 "HE WOULD	LIKE TO GO HOME."	2		
		d/wrong words	1		
		d/wrong words	0		
NOW SA	Y "NO IFS, ANDS, OR BUTS."				
	"NO IFS A	NDS OR BUTS			
	Perfect repe		2		
		d/wrong words	ands: or buts) I paint	for portoot ross	tition Civons
	credit if the	the three parts (no ifs; "s" is missed.	unus, or buisj, i point	ioi perieci repe	illion. Give no
11	Read and Obey. Prompt p		ır Eves" Q17RD0	DEY	0
11.	Roda and Obey, Hompi p	Amelpain, Close roc	J. Ly03		Score (3)

The command is printed in a sheet of paper in capital letters. Fold the sheet of paper one third down to show the command and (Close Your Eyes) and say: 'PLEASE DO THIS'. If no response, point to the words and state, 'DO WHAT THIS SAYS.' When participant closes eyes say, 'THANKS. YOU CAN OPEN YOUR EYES NOW.' If no response to prompt after 5 seconds, move on.

Participant ID N	ickname		Outcome Visit		DPPOS Q17.3 July 2016
					Page 5 of 9
Ok	ove without pror	no tin a		2	
	peys without pror peys after promp			3 2	
	ads only	III IG		1	
	either reads nor o	beys		0	
12. Writing (1 minute)	Q17WRTING				Soore (F)
		blank part	of the sheet an	d say "I WOULD LIK	Score (5) E TO HAVE A SAMPLE OF YOUR
HANDWRITING. WRITE 'HE WOUL	D LIKE TO GO HOM	E'." If need	led, dictate the	sentence word for w	ord as they write.
(He) WOULD	LIKE TO GO HOM	١E			
Score 1 point for each correct v	word. 0 if spelling e	errors or inc	orrect mixed co	pitalizations. All ca	pital letters OK.
13. Copying 2 penta	gons (1 minute)	Q17CP	YPGON		Score (10)
Show the lower one-third of the	sheet that contains	the pento	igons and say, "	COPY THIS DRAWING	7.
Each pentag					
	approx. equal sid			4 4	
	out unequal (>2:1			3 3	
	her enclosed figu	Jre		2 2	
	or more lines ss than 2 lines			0 0	
Intersection:	ss man z imes			0 0	
	corners			2	
	ot4-corneredenc	losure		1	
	intersection	.000.0		0	
14. Three-stage com	mand (finish com	nmands fi	rst) Q17TRS	STCMD	. (0)
_	·		,		Score (3)
Use a blank piece of paper a AND HAND IT BACK TO ME." WHAT YOU THINK I ASKED YOU "YOU CAN USE BOTH HANDS N REPEAT. JUST DO WHAT YOU TH	If the subject inter TO DO." If participant IOW." If participant	rrupts do N pant is tryin t requests t	NOT stop to resp ig to fold paper	ond, continue with with one and is havi	command and say, "DO ng difficulty, you can say,
	TAKE THIS	PAPER WI	TH YOUR L/R H	AND	
	FOLD IT IN	HALF, AN	1D		
	HAND IT B.	ACK TO M	1E		
15. Second recall of	three words Q1	7RECAL			Score (9)
Say to the participant, "WHAT The spontaneously within 3 seconds					is not recalled
Sp	ontaneous recal	I		3	
•	ter "Something to			2	
	ter "SHOES, SHIRT,			1	
Stil	I does not know			0	
a	ontaneous recal	l		3	
•	ter "A color"			2	
	ter "BLUE, BLACK,	BROWN"		1	
	I does not know			0	
\$n	ontaneous recal	l		3	
	ter "A good perso		ty"	2	
	ter "HONESTY, CH			1	
	I does not know			0	

articipant ID Nic	kname	Outcome Visit	DPPOS Q17.3 July 2016 Page 6 of 9
Refer to Neurocognitive Funbe read to participants is in Script for Assessment B- Spanis Trial 1 "FIRST, I AM GOING TO READ A I READ THEM. WHEN I STOP, I W. REMEMBER ALL OF THE WORDS STHAT I READ THEM. ARE YOU RE." "NOW TELL ME ALL OF THE WOR "ANYTHING ELSE?" Trial 2 "I AM GOING TO READ THE SAM YOU CAN, INCLUDING THOSE Y YOU CAN REMEMBER." "NOW TELL ME ALL OF THE WOR "ANYTHING ELSE?" Trial 3 "I WILL READ THE SAME LIST AG, REMEMBER." "NOW TELL ME ALL OF THE WOR "ANYTHING ELSE?" THOW TELL ME ALL OF THE WOR "ANYTHING ELSE?" After trial 3, read the distracter "I AM GOING TO READ A DIFFEIT Trial 4	ct words, repetitions and ctional Manual section 2 CAPITALS. Additional in English Verbal Learning Telest of Words to You. I Would Like You to recall A CO JUST DO THE BEST YOU CADY?" DIS YOU CAN REMEMBER" ALLIST OF WORDS TO YOU A DOU HAVE RECALLED BEFORE DIS YOU CAN REMEMBER" ALIN. LISTEN CAREFULLY AND DIS YOU CAN REMEMBER" DIS YOU CAN REMEMBER"	d intrusions recalled for tri 2.2 for instructions and sci structions are in bold. est (SEVLT)- Timed: ≤ 60 secon ANT YOU TO LISTEN CAREFUL AS MANY OF THE WORDS AS Y AN. YOU DO NOT HAVE TO RI GAIN. I WANT YOU TO TRY TO . WHEN I STOP, I WANT YOU T	als 1-4 on assessment B (page 6). ripts for this assessment. The script to
LIST THAT I READ TO YOU THREE "ANYTHING ELSE?" If they do not remember any w MIND". 16. Was the 'SEVLT' test con	ords, prompt, "JUST GIVE IT	A TRY" or "TAKE A MOMENT	TO SEE IF ANY OF THE WORDS COME TO T Yes 1 No 2
If NO , a.Why was it discontin	ued?	Q17NOSE	VLT MARK WITH AN 'X' ONLY ONE Refusal
If YES,			Task difficulty Impairment (Visual, Hearing, Limb or Motor)
Words recalled from ass	Q17VLTC1	Correct Q17VLTR1	Repetitions Intrusions Q17VLTI1
b. Trial 1	Q17VLTC2	Q17VLTR2	Q17VLTI2
d. Trial 3	Q17VLTC3	Q17VLTR3	Q17VLTI3

Q17VLTC4

Q17VLTOTC

e. Trial 4....

Total Correct, Repetitions & Intrusions........

Q17VLTR4

Q17VLTOTR

Q17VLTI4

Q17VLTOTI

DPPOS Q17.3
July 2016
Page 7 of 9

Participant ID	Nickname	Outcome Visit

Assessment B: Spanish English Verbal Learning Test (SEVLT)

Short Delay Recall immediately after reading distracter list to participant

							list to participant				
Word List (Trials 1-3)	Trial 1		Trial 2		Trial 3		Trial 4				
Repollo / Cabbage Cucharón / Ladle		Resp Type		Resp Type		Resp Type		Resp Type			
Café / Coffee	1		1		1						
Remolachas / Beets Diccionario/ Dictionary	2		2		2	2	2				
Cacao / Cocoa	3		3		3	3	3				
Frijoles / Beans Coladera / Strainer	4		4		4		4				
Durazno / Peach	5		5		5	Į.	5				
Maíz / Corn Periódico /Newspaper	6		6		6		5				
Jugo / Juice	7		7		7	7	7				
Espárrago /Asparagus Cazuela / Pan	8		8		8	8	3				
Té / Tea	9		9		9	9	9				
Distracter List (Read	10		10		10		10				
after Trial 3 recall)	11		11		11	1	11				
Huevos/Eggs	12		12		12	1	12				
Olla/Pot	13		13	_	13	1	13				
Leche/Milk Cerezas/Cherries	14		14		14	1	14				
Tazón/Bowl	15		15		15	1	15				
Queso/Cheese Lechuga/Lettuce	16		16		16	1	16				
Cuchara/Spoon	17		17		17	1	17				
Agua/Water Pescado/Fish	18		18		18	1	18				
Pluma/Pen	19		19		19	1	19				
Naranjas/Oranges Galletas/Cookies	20		20		20		20				
Libreta/Notebook Cebollas/Onions	Total Correct C		Total Correct C		Total Correct C		Total Correct C				
	Total Repetition R		Total Repetition R		Total Repetition R		Total Repetition R				
	Total Intrusion I		Total Intrusion		Total Intrusion I		Total Intrusion I				

Participo	nt ID Nickname		Outcome Visit	DPPOS Q17.3 July 2016 Page 8 of 9
Apply symbol asses Scrip "THIS UPPER "NOV BOTTO" "HERI "HERI "SO I "THIS "SO I "NOV "YES, To be Point SKIPP MISTA Point At the Prom "Do t "Plea	the DSST scoring template to the ols below. Refer to Neurocognitisment. The script to be read to put for Assessment C- Digit Symbol LAST TASK IS THE DIGIT-SYMBOL TO PART AND A SPECIAL MARK IN TAY, LOOK DOWN HERE TO WHERE TO MARE EMPTY." Point to the same NT YOU TO PUT IN EACH OF THE IE IS A 2; THE 2 HAS THIS MARK. SO IS A 1; THE 1 HAS THIS MARK." PUT IT IN THIS SQUARE." NUMBER IS 3; THE 3 HAS THIS MARY. THE SQUARES UP TO NOW YOU KNOW HOW TO DO THE ID THE SQUARE IS AND THE SQUARES UP TO NOW YOU KNOW HOW TO DO THE ID THE STAY IN THE SQUARES UP TO NOW YOU KNOW HOW TO DO THE ID THE STAY IN	e responses on a ve Functional Ma ver Functional Ma varticipants is in Carticipants in Carticipant	TOUCH SECTION 2.3 For instruction 2.4 PITALS. Additional instruction 2.5 For instruction 3.5 Per control of the	ons and scripts for this tions are in bold. CH BOX HAS A NUMBER IN THE IMARK." UT THE SQUARES AT THE THERE, LIKE THIS." A." NE AFTER THE OTHER, WITHOUT U CAN WITHOUT MAKING
17.	Was the 'Digit Symbol Substitut completed?	ion Test' Q17	DSST	Yes No 2
	If NO, a. Why was it discontinued? Q17DSSTOTC	Q17NODSST		MARK WITH AN 'X' ONLY ONE Refusal Task difficulty Impairment (Visual, Hearing, Limb or Motor) 3
	b. Total correct symbols on a	ssessment C		

Participant ID								ne					Outcome	e Visit								DPPOS (July 20 Page 9 (116	
	Assess	ment C	: Quest	ionnair	e: Digit ——	Symbo	ol Subst	itution [*]	Test (DS	<u>SST)</u>														
				Ľ	1	2	2	3		4]	5		6		7	[3	9					
										L		Ц		0	L	٨	>	<	L=	=				
SAMPLES																								
2	1	3	7	2	4	8	2	1	3	2	1	4	2	3	5	2	3	1	4	5	6	3	1	4
1	5	4	2	7	6	3	5	7	2	8	5	4	6	3	7	2	8	1	9	5	8	4	7	3
6	2	5	1	9	2	8	3	7	4	6	5	9	4	8	3	7	2	6	1	5	4	6	3	7
9	2	8	1	7	9	4	6	8	5	9	7	1	8	5	2	9	4	8	6	3	7	9	8	6