

VISION

Results of the Cognitive and Field Tests

10th Washington Group Meeting
Luxembourg, 3-5 November 2010

Objective of Vision Domain

- To identify individuals who report difficulties seeing, and to identify within this group those people who have near vision, and far vision difficulty or both

Questions Used in Cognitive Test

Question	Response Options
1,1 Do you have difficulty seeing, even when wearing glasses	1) no difficulty 2) Some difficulty 3) A lot of difficulty 4) Cannot do at all/
1.1a Do you wear glasses to see far away?	1) Yes 2) No If Yes read glasses in room question
1.1b Do you wear glasses to see up close	1) Yes 2) No If Yes read glasses in coin question

Questions Used in Cognitive Test

Question	Response Options
1.1c Do you wear glasses for another reason (other) _____-?	1) Yes 2) No If Yes record other:
1.3 Do you have difficulty clearly seeing someone's face across a room (even when wearing your glasses?)	1) No difficulty 2) Some difficulty 3) A lot of difficulty 4) Cannot do at all/ unable to do If No go to 1.4
11.1a1 How old were you when the difficulty seeing far away began	_____ age in years
12.2i Is your difficulty seeing far away due to a health problem or something else?	1) Due to health problem 2) Something else ____

Questions Used in Cognitive Test

Question	Response Options
13.1i Does your difficulty seeing far away limit your ability to carry out daily activities?	1) Yes 2) No
13.2b1 Does your difficulty seeing far away limit your ability to carry out other activities that are not part of your day-to-day life>	1) Yes 2) No

Cognitive Test

	Do you have difficulty seeing even when wearing glasses?					
	No	Some	A Lot	Unable to	Skipped, not asked	Total Persons
Total Persons	72	57	18	6	2	155
Percent	46	37	12	4	1	100

- Cambodia, Canada, Kazakhstan, Maldives, Mongolia, Philippines, South Africa, Sri Lanka and United States
- Samples selected purposively

Cognitive Test

- Detailed analysis of responses revealed confusion by “even when wearing glasses” clause
- Difficulties in translating the clause in a consistent way across all languages
- WG SS set question identified people with difficulties not picked up by either the close or far sight questions
- Seeing someone’s face across a room had a lot of variation

Cognitive Test

- On seeing the picture on a coin, respondents had variable interpretation from seeing a coin in street to being a coin inspector
- Activities considered for daily activities included paid employment, housework, looking after children, watching television and sleeping

Cognitive Test

- Wording change for wearing glasses to see up close i.e., Do you wear glasses for reading to see up close
- Order of questions – questions on glasses use and difficulties for far vision were placed together as well as near vision glasses use and difficulties question; age of onset and limitation in daily activities were asked in general
- Deletion of question – glasses for other reasons, limitation of activities that are not part of day-to-day life

Questions Used in Field Test

Question	Response Options
<p>VIS_SS Do you have difficulty seeing, even when wearing glasses?</p> <p>If “cannot do at all/unable to do” to VIS_SS, skip to VIS_5</p>	<p>1) no difficulty 2) Some difficulty 3) A lot of difficulty 4) Cannot do at all/ unable to do 7) Refused 9) don't know</p>
<p>VIS_1 Do you wear glasses to see far away?</p> <p>If Yes, include glasses clause in VIS_2</p>	<p>1) Yes 2) No 7) Refused 9) don't know</p>

Questions Used in Field Test

Question	Response Options
VIS_2 Do you have difficulty clearly seeing someone's face across a room {even when wearing these glasses?}	1} no difficulty 2) Some difficulty 3) A lot of difficulty 4) Cannot do at all/ unable to do 7) Refused 9) don't know
VIS_3 Do you wear glasses for reading or to see up close?	1) Yes 2) No 7) Refused 9) don't know
VIS_4 Do you have difficulty clearly seeing the picture on a coin [<i>even when wearing these glasses</i>]	1} no difficulty 2) Some difficulty 3) A lot of difficulty 4) Cannot do at all/ unable to do 7) Refused 9) don't know

Questions Used in Field Test

Question	Response Options
VIS_5 How old were you when the difficulty seeing began	___ age in years 777) Refused 999) don't know
VIS_6 How much does your difficulty seeing limit your ability to carry out daily activities	1) Not at all 2) A little 3) A lot 4) Completely 5) Refused 6) Don't know

Results -

Do you have difficulty even when wearing glasses (%)

	No	Some	A lot	TOTAL Persons
Cambodia	68	27	5	18
Kazakhstan	63	31	6	20
Maldives	81	13	6	20
Mongolia	77	19	3	20
Philippines	83	15	12	20
Sri Lanka	73	23	3	14
TOTAL	74	21	4	155

Less than 1% for the following categories for all countries:

Unable to

Skipped Not asked

Results -

Do you have difficulty even when wearing glasses (%)

- Glasses clause reported as confusing to many respondents
- Wording being distracting from the main focus of the question
- Elicited incorrect responses as reported by interviewers

Results –

Use of glasses for distance and close vision correction (VIS_1 and VIS_3)

		Do you wear glasses for reading or to see up close (%)?		
		Yes	No	Total
Do you wear glasses to see far away (%) ?	Yes	8	13	21
	No	4	75	79
Total		12	87	100

25% of respondents reported wearing glasses either to see up close or far away or reading

12% reported both for reading or to see up close and to see far away wearing glasses

Results -

Use of glasses by severity of vision difficulty

		Do you wear glasses for reading or to see up close (%)?		
		No Glasses	Glasses	Total
Do you have difficulty seeing, even when wearing glasses (%) ?	No	84	16	100
	Some	50	50	100
	A lot	42	58	100
	Unable to do	100	0	100

- 16% of those reporting no difficulty reported wearing glasses
- 50% with some difficulty reported wearing glasses and this percentage rose to 58% among those with a lot of difficulty.

Results –

vision difficulty seeing picture on a coin vs. someone's face across the room (n=6309)

		Do you have difficulty clearly seeing someone's face across a room?			
		No difficulty	Some difficulty	A Lot	Unable to do
Do you have difficulty clearly seeing the picture on a coin	No difficulty	5237	270	22	0
	Some difficulty	288	308	30	2
	A lot	24	33	45	0
	Unable to do	1	4	4	2

- among those with “no close vision difficulty”, 5% reported “some far vision difficulty
- among those with “no far vision difficulty”, 6% reported with “some close vision difficulty”

Results –

VIS_SS vs. difficulties on far or near vision (n= 6309)

		Do you have difficulty seeing even when wearing glasses?			
		No difficulty	Some difficulty	A Lot	Cannot do at all
Do you have difficulty clearly seeing someone's face across a room OR Do you have difficulty clearly seeing the picture on a coin?	No difficulty	4548	636	62	0
	Some difficulty	142	640	87	0
	A lot	5	55	105	0
	Cannot do at all	1	2	10	0

- 3% (n=148) reported no difficulty seeing but difficulty in far and near vision
- Much larger (n=636) with no difficulty in far and near vision but some difficulty in VIS_SS

Results –

degree that vision difficulty affects person's ability to do daily activities (any degree of vision difficulty is n =1760)

		How much does your difficulty seeing limit (in %)			
		Not at all	A little	A lot	Completely
Difficulty seeing even when wearing glasses	No difficulty	39	53	6	2
	Some difficulty	44	49	6	<1
	A lot	20	38	38	3
	Cannot do at all	0	0	25	75

- as reported seeing difficulty increases, the subsequent impact on the ability to carry out daily activities also increases
- Of those with some difficulties, only 6% reported having their daily activities limited “a lot”
- Rises to 41% for those with a lot of difficulty and 100% for those “unable to see”

Results –

degree that vision difficulty affects person’s ability to do daily activities (any degree of vision difficulty, n= 1760)

		How much does your difficulty seeing limit <u>your ability to carry out daily activities?</u> (in %)			
		Not at all	A little	A lot	Completely
Overall difficulty seeing (only for those reporting “some difficulty” in one or more of VIS_SS, VIS_2 or VIS_4)	No difficulty	0	100 **	0	0
	Some difficulty	45	50	4	<1
	A lot	19	40	39	3
	Cannot do at all	3	17	26	52

** error response, question should not have been asked

Recommendations

current set of extended questions working but needs minor changes:

1. Delete glasses clause in Vis_ss and have a prior question on use of glasses so that the effect of the glasses question would be the same for Vis_ss, far and near questions; this can be done for the extended set
2. Guidelines for suitable room sizes and distance from the eyes of the picture on a coin
3. For countries without coins, the reference should still remain but an explanation should be provided on what is to be considered

Proposed Set for Vision

Question

1. Do you have difficulty seeing? If yes, include glasses clause in question 2, and if no exclude glasses clause in Question 2.
2. Do you have difficulty seeing (even when wearing glasses)?
3. Do you have difficulty clearly seeing someone's face across a room (even when wearing glasses)?
4. Do you have difficulty clearly seeing a picture on a coin (even when wearing glasses)?