Appendix - 4.1

Your Health State Today

We would like you to describe your current health today using the health state dimensions introduced earlier. By placing a tick (thus þ in one box in each group below, please indicate which statements best describe your own health state today.

Mobility:

- o I have no problems in walking
- o I have occasional or very few problems in moving about
- o I have some problems in moving about
- o I have many problems in moving about
- o I am unable to move at all

Self Care:

- o I have no problems with self care.
- o I have very few problems with self care like eating, bathing, dressing etc.
- o I have some problems with self care like eating, bathing, dressing etc.
- o I have many problems with self care like eating, bathing, dressing etc.
- o I am unable to bathe, dress or eat myself

Usual Activities:

- o I have no problems with usual activities like work, employment, household work.
- o I have occasional or very few problems in performing usual activities.
- o I have some problems in performing usual activities.
- o I have many problems in performing usual activities.
- o I am unable to perform my usual activities.

Pain/Discomfort:

- o I have no pain and no discomfort.
- o I have mild pain or discomfort.
- o I have moderate pain or discomfort.
- o I have distressing pain or discomfort
- o I have excruciating, unbearable pain or discomfort

Anxiety/Depression:

- o I am not anxious or depressed.
- o I am a little anxious or depressed.
- o I am moderately anxious or depressed.
- o I am much anxious or depressed.
- o I am extremely anxious or depressed.

Cognition:

- o I have no impairment of cognitive function or no cognitive problems
- o I have a little/very few cognitive problems.
- o I have moderate impairment of cognitive function.
- o I have considerable impairment of cognitive function.
- o I have severe impairment of cognitive function.

Compared with my general level of health over the past 12 months, my health state is:
(Please tick one)

- o Extremely well
- o Better
- o Much the same
- o Bad
- o Worse

Appendix - 4.2

Card Sort and Visual Analogue Scale

Instructions for health state valuation exercises

The purpose of this section is to find out how you value time spent in different health states. Your answers help us build a picture of how individuals value their health. Please imagine a series of different health states. For each state, consider how this state would compare to other health states, including the best and worst imaginable health states.

Card Sort Exercise:

Let's begin by looking at the 11 flash cards (10 preprinted + one prepared by you describing your own health today). Each card describes a different health state. What we would like you to do is compare each of the cards and sort them according to how undesirable each card would be if you were to have the health state described on the card for the rest of your life.

Please keep the card representing the most undesirable health state away from you. The card representing the most healthy stage near you. Sort and arrange all cards in order of the severity of the health state, starting with the least severe near you and moving towards the most severe ones away from you.

Visual Analogue Scale:

Please take a look at the scale on the cork board. Now we would like to ask you to use this scale to indicate just how desirable or undesirable you find each of these health states on a scale ranging from the best imaginable health state to death. On this scale, 0 indicates a health state that is as undesirable as death, and 100 indicates the most desirable health state imaginable. For each state, please pin these cards to the spot on the line that indicates this value. For example, if you find a health state to be halfway between death and the best imaginable health, you would pin the card on the point labeled 50. For each of the index cards you have ranked, we would like you to pin the cards on this scale on the cork board.

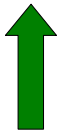
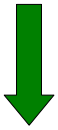
Compare your rank order of the cards earlier and the values in the scale now given by you. Take an overview of the two valuations. Are they consistent ? Are you satisfied that this ordering reflects your true beliefs about how undesirable each of these conditions would be to live with for the rest of your life?

Appendix - 4.3

CARD SORTING LOG

Health State Valuation

Name: **ID No.:**

	**Disease Labels**	**CS Rank**	**VAS Score**		
		1.			
Best imaginable health state		2.			
		3.			
		4.			
		5.			
		6.			
		7.			
		8.			
Worst Imaginable health state		9.			
		10.			
		11.			

Appendix - 4.4

Respondent Comments, Valuation workshops

Name:

Please indicate the level of difficulty you encountered in answering the questions or tasks on …

	No difficulties	Very few difficulties	Some difficulties	A lot of difficulties
Assessing your own health status	**0**	**1**	**2**	**3**
Card sort exercise	**0**	**1**	**2**	**3**
Visual analog exercise	**0**	**1**	**2**	**3**
Time trade-off exercise	**0**	**1**	**2**	**3**
Person trade-off exercise	**0**	**1**	**2**	**3**

How helpful did you find the following materials or presentations?

	Not helpful	Somewhat helpful	Very helpful
Written background on workshop purpose	**0**	**1**	**2**
Spoken presentation on different domains of health status	**0**	**1**	**2**
Written instructions on card sort exercise	**0**	**1**	**2**
Spoken instructions on card sort exercise	**0**	**1**	**2**
Written instructions on visual analog scale	**0**	**1**	**2**
Spoken instructions on visual analog scale	**0**	**1**	**2**
Written instructions on time trade-off	**0**	**1**	**2**
Spoken instructions on time trade-off	**0**	**1**	**2**
Written instructions on person trade-off	**0**	**1**	**2**
Spoken instructions on person trade-off	**0**	**1**	**2**

Any other comments?

Appendix - 4.5

Health state valuation workshop: General guidelines to participants

1. "The purpose of this workshop is to find out your opinion about the burden that different diseases represent to individuals who are affected by them. By burden we mean loss of physical and social functioning, discomfort, anxiety or depression and loss of cognition. Loss of physical and social functioning would include loss of mobility, ability to take care of oneself and to do usual activities. We do not have in mind the economic burden to the individual or society for example, loss of income or production. Hence you should not take the economic consequences into account when you do the valuations give your judgement throughout this workshop.
2. We are going to ask you to imagine a series of different health states. For each state, we will ask you to consider how this state would compare to other health states, including the best and worst imaginable states.
3. The workshop will start with a self assessment exercise to describe your own health state today. This exercise will allow you to assess your own health state today and in the process give you an idea of the six dimensions and levels of functionality under each dimension, being used by us to describe a persons health state.
4. The self assessment exercise will be followed by exercises to attach a preference value to a set of health states with reference to the best and worst imaginable health states. Your own health state will be included in this set. The other conditions included in the set have been chosen by us. We will use more than one exercise of to facilitate your valuation from different perspectives. These exercises in order are:
   i. Card sort: Each card represents a health state. You will be required to sort them in order of the severity of each health state.
   ii. Visual analogue scale: You will be required to fix the degree of severity of a health state on a scale extending from the best imaginable health to worst imaginable health state.
   iii. Time Trade off (Health State Valuation Worksheet -1) : You will consider hypothetical health conditions faced by yourself. In this thought experiment, you will be required to choose between a certain time lived in perfect health against a longer duration spent in a given health state (i.e. disease condition).
   iv. Person Trade off (Health State Valuation Worksheet -2A ,2B): You will play the role a decision maker. In this thought experiment, you will be presented with alternative interventions and health care programmes seeking to either extend the life of a group of perfectly health people or benefit a group of people suffering from a given health state (disease state). You will have to make choices, in view of constraint in resources.
5. At intermediate stages, you will be called upon to reflect upon your valuations through different exercises and methods. Inconsistencies between valuation of the same health state by different methods will be pointed out. You will be required to revise you valuation(s) to make them consistent across different methods and instruments.
6. The final session of the workshop will provide the ultimate opportunity to reflect on your valuations and revise them to achieve consistency across various methods."

Appendix - 4.6

HSV-DEDIT Data Entry Template - User manual.

A. Installation:

1. The template file named HSVWkshpDataEntry.12M. Copy this file to the same directory where Lotus 123 smart masters are stored (Usually C:\lotus\smasters\123).

B. Opening a new instance of the IDT (HSV Data Entry) Spreadsheet:

1. You will need to open a separate spreadsheet file for each valuer.
2. Start Lotus 123 and click the File-New icon. When the new workbook dialog box appears, select the smart master named "HSV-IDT: Date Entry and Report" and click OK to open the template.
3. The untitled work book contains altogether 11 sheets, namely PrsnlData, CardSort_VAS, TTO_OwnHlth, TTO_Data, TTORflctn1, TTORflctn2, PTO1_OwnHlth, PTO2_OwnHlth, PTO1_2, Post_PTO, and Definitions.

C. Personal data:

1. The first sheet of the workbook is to collect personal data. The work book usually opens with the cursor positioned on "Valuer Name".

Name:	Valuer Name		
Sex:	Female	**Date:**	13-Oct-99
Age	21		
Participant ID:	75_3u		
Own Health Description			
	Dimension		Level
	Mobility		1
	Self Care		1
	Usual Activities		1
	Pain - Discomfort		1
	Anxiety - Depression		2
	Cognition		1
Assigned health states for valuation:			Set3

2. Fill in the personal data. In a color screen, Lotus-123 shows the data entry areas in blue. The workbook uses information form this data entry area to make choices about contents of subsequent reports. So all required personal data must be filled in here.
   i. The participant Id should be of the format Serialnumber_Setnumber+u or d. The right most character of the participant Id must be u (for upwards) and d (down wards). The second character from the right (set number) must be a number ranging from 1-4, since this workbook allows only four sets of indicator conditions.

D. Card sort and VAS:

1. After filling in the personal data click the next tab "CardSort_VAS". This sheet has two panels. The upper data entry panel and the lower report panel. The list of health states is automatically taken from a dictionary based on the set number extracted from the participant id entered in the personal data sheet.
2. Following is a screen capture of the upper panel after entering data from the first iteration:

Card Sort and Visual Analogue Scale Data Entry

Iteration Order (1 for first attempt, 2 for the second attempt, 3 for third attempt, so on ...): 1

Iteration order of the final results, i.e. 'Ranks match' for all the 11 health states:

		First attempt		Subsequent Attempts		Final Results	
SI	Health State Conditions	CS_Ogl	VAS_Ogl	CS_SA	VAS_SA	CS_Final	VAS_Final
1	Own Health Today	3	1				
2	Mild 'Diabetes, no symptoms	1	20				
3	Watery diarrhoea, 5 times a day	2	30				
4	Peptic ulcer	4	44				
5	2 broken arms in stiff casts	5	32				
6	Mild'Tuberculosis with treatment	8	60				
7	Below knee amputation - two legs	9	40				
8	Below knee amputation - one leg	6	50				
9	Severe continuos migraine	7	76				
10	Unipolar major depression	11	81				
11	Quadriplegia	10	90				

Card sort ranking is from best to worst, i.e. best is rank 1 and worst is rank 11.

3. Note the cell in the upper right corner. Fill in the iteration order for which you are entering data. If the data relate to the first iteration, enter 1 here. If its the second iteration, enter 2 here. Also note that you need to enter the card sort rank and VAS data in different columns depending on the iteration order which generated the data. If the data is from the first iteration then enter them in the area under "First attempt". The two columns are CS_Ogl for the card sort ranks from the first attempt, and VAS_Ogl for the VAS values from the first attempt. Data from subsequent iterations is to be entered in the area under "Subsequent Attempts". The card sort ranks from subsequent iterations are entered under CS_SA and VAS values from subsequent iterations are entered under VAS_SA. Thus when you enter the data from second iteration, you will find the columns empty. When you enter data from the third iteration, you will have to over write the data from second round. The final results area in the upper panel shows the card sort ranks and
4. Now move down to the lower panel and print the "Reflections" report (see next page for a sample corresponding to the data entered in the upper panel shown above) at the lower panel to be given to the valuer for reflection. Note that none of the VAS values is consistent with the card sort rank. So the number for which ranks match (between card sort and VAS) is shown as zero at top left corner of the report. The report then explains to the valuer about itself, and gives a comparative statement of card sort and VAS ranks, along with remarks about the nature of discrepancy, if any.
5. Note that the valuer gives his / her valuation in terms of the health state weight. The "Reflections" report converts that into a disability weight while presenting a comparison of the card sort. This was done deliberately, to remind the valuers the relationship between health state weights and disability weights. This reminder helps valuers to keep in mind that the two are complements of each other and valuing one implicitly values the other.

Reflections: Reconcile Card Sort and Scale Based Valuations

Participant ID: 75_3u **Name: Valuers' Name** **Date: 13/10/99** **Attempt: 1**

Thank you for valuing the given health states using the scale board and the set of cards with pins. We have measured the scale values of health assigned by you to each condition. These are given below. Based on these scale values of disability, we have arrived at the rank ordering of the conditions. You may recall that rank ordering of conditions assigned by you in the card sort exercise earlier. We have shown below all these assignements given by you earlier, namely;

(a) Rank from Card Sort exercise.
(b) Disability weight assigned by you to the condition using the Scale board.
(c) Rank order of conditions based on the disability weight from the Scale board exercise.

Sl	Health State Condition	CS_Rank	DWt	DWt_Rank	Remarks
1	Mild 'Diabetes, no symptom	1	0.8	10	Scale based value ranks more sever than Card
2	Watery diarrhoea, 5 times a	2	0.7	9	Scale based value ranks more sever than Card
3	Own Health Today	3	0.99	11	Scale based value ranks more sever than Card
4	Peptic ulcer	4	0.56	6	Scale based value ranks more sever than Card
5	2 broken arms in stiff casts	5	0.68	8	Scale based value ranks more sever than Card
6	Below knee amputation - or	6	0.5	5	Card sort ranks more severe than scale based
7	Severe continuos migraine	7	0.24	3	Card sort ranks more severe than scale based
8	Mild'Tuberculosis with treatr	8	0.4	4	Card sort ranks more severe than scale based
9	Below knee amputation - tw	9	0.6	7	Card sort ranks more severe than scale based
10	Quadriplegia	10	0.1	1	Card sort ranks more severe than scale based
11	Unipolar major depression	11	0.19	2	Card sort ranks more severe than scale based

Please reflect upon the above discrepancy. To reconcile your valuations in the two exercises, you can do all or any of the following:

(a) Redo the Card Sort **Note: Dwt = 1-(Scale Value / 100)**
(b) Redo the Scale based valuation
(b) Both

Now please reflect and revise your valuations and let us have your revised estimations.

6. Now suppose the valuer has given his second iteration results as follows:

Card sort rank	3	1	2	4	5	8	9	6	7	11	10
VAS Value	80	90	85	75	60	40	30	55	45	5	20

7. When you enter this data in the subsequent attempts area, you will see the following upper panel.

Card Sort and Visual Analogue Scale Data Entry

Iteration Order (1 for first attempt, 2 for the second attempt, 3 for third attempt, so on ...): 2

Iteration order of the final results, i.e. 'Ranks match' for all the 11 health states:

		First attempt		Subsequent Attempts		Final Results	
SI	Health State Conditions	CS_Ogl	VAS_Ogl	CS_SA	VAS_SA	CS_Final	VAS_Final
1	Own Health Today	3	1	3	80		
2	Mild 'Diabetes, no symptoms	1	20	1	90		
3	Watery diarrhoea, 5 times a day	2	30	2	85		
4	Peptic ulcer	4	44	4	75		
5	2 broken arms in stiff casts	5	32	5	60		
6	Mild'Tuberculosis with treatment	8	60	8	40		
7	Below knee amputation - two legs	9	40	9	30		
8	Below knee amputation - one leg	6	50	6	55		
9	Severe continuos migraine	7	76	7	45		
10	Unipolar major depression	11	81	11	5		
11	Quadriplegia	10	90	10	20		

Card sort ranking is from best to worst, i.e. best is rank 1 and worst is rank 11.

No for which Ranks Match = 11

8. Note the bottom right message, that shows that ranks have matched for all the 11 conditions. Once you get all the 11 ranks to match, type in the iteration number in the cell B:I13 which is immediately below the iteration number on the top right corner. That means you have the same iteration number repeated twice and appearing one below the other. Once you hit the Enter key after typing in the iteration number in cell B:I13, you see the final results from Card sort - VAS exercise appearing in the "Final Results" area and the upper panel looks as follows. If the ranks form the two estimates match in the first iteration itself, then simply type in 1 in cell B:I13 and proceed.

Card Sort and Visual Analogue Scale Data Entry

Iteration Order (1 for first attempt, 2 for the second attempt, 3 for third attempt, so on ...): 2

Iteration order of the final results, i.e. 'Ranks match' for all the 11 health states: 2

		First attempt		Subsequent Attempts		Final Results	
SI	Health State Conditions	CS_Ogl	VAS_Ogl	CS_SA	VAS_SA	CS_Final	VAS_Final
1	Own Health Today	3	1	3	80	3	0.8
2	Mild 'Diabetes, no symptoms	1	20	1	90	1	0.9
3	Watery diarrhoea, 5 times a day	2	30	2	85	2	0.85
4	Peptic ulcer	4	44	4	75	4	0.75
5	2 broken arms in stiff casts	5	32	5	60	5	0.6
6	Mild'Tuberculosis with treatment	8	60	8	40	8	0.4
7	Below knee amputation - two legs	9	40	9	30	9	0.3
8	Below knee amputation - one leg	6	50	6	55	6	0.55
9	Severe continuos migraine	7	76	7	45	7	0.45
10	Unipolar major depression	11	81	11	5	11	0.05
11	Quadriplegia	10	90	10	20	10	0.2

Card sort ranking is from best to worst, i.e. best is rank 1 and worst is rank 11.

No for which Ranks Match = 11

9. Note that the VAS_Final column shows the health state weights.
10. The "Reflections" report in the lower panel will look like the one shown on next page. It reiterates the message that ranks for each of the 11 health states match and shows the

disability weights for the latest iteration that matched the two estimates.

Reflections: Reconcile Card Sort and Scale Based Valuations

Participant ID: 75_3u **Name: Valuers' Name** **Date: 13/10/99** **Attempt: 2**

Thank you for valuing the given health states using the scale board and the set of cards with pins. We have measured the scale values of health assigned by you to each condition. These are given below. Based on these scale values of disability, we have arrived at the rank ordering of the conditions. You may recall that rank ordering of conditions assigned by you in the card sort exercise earlier. We have shown below all these assignements given by you earlier, namely;

(a) Rank from Card Sort exercise.
(b) Disability weight assigned by you to the condition using the Scale board.
(c) Rank order of conditions based on the disability weight from the Scale board exercise.

Sl	Health State Condition	CS_Rank	DWt	DWt_Rank	Remarks
1	Mild 'Diabetes, no symptom	1	0.1	1	Ranks match
2	Watery diarrhoea, 5 times a	2	0.15	2	Ranks match
3	Own Health Today	3	0.2	3	Ranks match
4	Peptic ulcer	4	0.25	4	Ranks match
5	2 broken arms in stiff casts	5	0.4	5	Ranks match
6	Below knee amputation - on	6	0.45	6	Ranks match
7	Severe continuos migraine	7	0.55	7	Ranks match
8	Mild'Tuberculosis with treatr	8	0.6	8	Ranks match
9	Below knee amputation - tw	9	0.7	9	Ranks match
10	Quadriplegia	10	0.8	10	Ranks match
11	Unipolar major depression	11	0.95	11	Ranks match

Please proceed to the next exercise

Note: Dwt = 1-(Scale Value / 100)

11. The "Reflection" report, at the bottom, instructs the valuer to proceed to the next exercise[1].

E. Time Tradeoff:

1. To move the valuer to the next exercise, click on the "TTO_OwnHlth" tab and print the "Your Own Health Today": Valuation worksheet -1, a sample of which is shown on the next page.

[1] The "Reflection" according to the original design of this program, continued to show the same instructions as for the care of less than complete match. The spread sheet was like this for most of the workshops in the study. We orally instructed the participants to proceed to the next exercise. Changes in the program to reflect his were done after all the workshops in this study were completed. We have done the changes, for future use of the spreadsheet.

"Your Own Health Today": Valuation worksheet -1

Participant ID: 75_3u Name: Valuers' Name Date: 13/10/99

We want to know your opinion about the burden that different diseases represent to individuals and families who are affected by them. By burden we mean loss of physical and social functioning (Mobility, self care and usual activities, physical and mental discomfort, anxiety or depression and loss of cognition. We do not have in mind the economic burden to society (for instance loss of production or incomes), and you should not take them into account when you respond to the question below.

Your Own Health Today

No assistance required and no problem with mobility. Ability to run / flight in times of need.

No assistance required and no problem with self care.

No assistance required and no problem with usual activities like work, employment, household work , etc. .

No pain and no discomfort.

A little anxiety or depression.

No impairment of cognitive function. No cognitive problems

Your age is 21.

Imagine that you are living in the health state described above, and must choose between two alternatives:
Alternative 1: You may continue to live in this health state for the rest of your life, that is, 42 more years.
Alternative 2: You may accept a medical intervention that will improve your health state to perfect health, but will reduce your life expectancy. Alternative 2, in other words, allows you to live a shorter number of years, but in better health.
We would like to know the smallest number of years of perfectly healthy life you would accept in exchange for the period in the reduced state of health described above. If you find the health state above to be extremely undesirable, you may be willing to trade it for a fairly short period of perfectly healthy life. On the other hand, if the health state above is rather mild in severity, then you may not want to give up much of your remaining life expectancy for an improvement to perfect health.
Below we present a series of choices representing this tradeoff. Each row should be considered as a separate decision question. For each situation (row), please indicate whether you would definitely prefer alternative 1 (mark the box on the left), would definitely prefer alternative 2 (mark the box on the right), or would find it difficult to choose between the two (mark the box in the middle). You should start with the first row and then continue to answer each question until you reach a situation for

Prefer Alt-1	Alternative-1	Doubt	Alternative-2	Prefer Alt-2
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 39.4 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 37.4 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 33.2 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 29.1 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 24.9 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 16.6 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 12.5 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 8.3 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 4.2 years.	☐
☐	Live with Your Own Health Today fo 42 years.	☐	Live a perfectly healthy life for 2.1 years.	☐

Your indifference point:
Live with Your Own Health Today fo 42 years. ☐ ☐ Years of perfectly healthy life.

2. To enter data from the first round of TTO valuations click on the TTO tab and enter the data into columns labeled Alt-1Yrs (Years of life available in Alternative-1), and InfifYrsFA (Number of years in Alternative-2 at which the valuer is indifferent between alternative - 1 and 2). Enter the iteration number at top right in cell number D:I2.

Post TTO Data Entry

Iteration Order (1 for first attempt, 2 for the first revision, 3 for second revision, so on ...): 1

Iteration order of the final results, i.e. 'Ranks match' for all the 11 health states:

			First attempt			Subsequent Attempts			Final Results	
SI	Health State Conditions	Alt-1Yrs	IndifYrsFA	FADWt	FARank	IndifYrsSA	DWtSA	SARank	IndifYrs	DWt
1	Own Health Today	32	28	0.13	6					
2	Mild 'Diabetes, no symptoms	32	30	0.06	3					
3	Watery diarrhoea, 5 times a da	30	28	0.07	4					
4	Peptic ulcer	24	10	0.58	9					
5	2 broken arms in stiff casts	32	5	0.84	11					
6	Mild'Tuberculosis with treatmer	30	29	0.03	2					
7	Below knee amputation - two l	24	14	0.42	8					
8	Below knee amputation - one l	47	46	0.02	1					
9	Severe continuos migraine	30	28	0.07	4					
10	Unipolar major depression	24	15	0.38	7					
11	Quadriplegia	30	6	0.80	10					

Card sort ranking is from best to worst, i.e. best = rank 1 and worst health state = rank 11.

No for which Ranks Match = 1

3. After entering the data here, click the next tab, namely TTORflctn1, select the "Reflection" report and print it out for the valuer. A sample of the report is given below.

Time tradeoff - reflections: Review the magnitude of disability weights

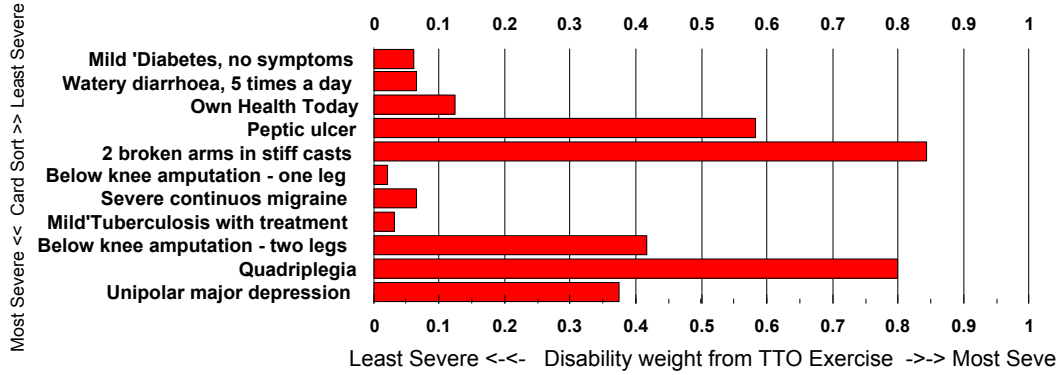
Date: 13/10/99

Participant ID: 75_3Name: Valuers' Name

Attempt: 1

Thank you for valuing the given health states using the Time Trade Off exercise. We have computed the disability weights implicitly assigned by you to each condition. These are shown on the right side of this note. The level of disability implied by your choice in the Time TradeOff exercise is also shown in the graph below. You may recall the rank ordering of conditions done by you in the card sort exercise earlier. We have arranged the conditions according to your card sort rank, so that you can reflect if your current valuations are consistent with the ordering of severity judged by you earlier.

SI	Health State Condition	DWt
1	Mild 'Diabetes, no symptoms	0.06
2	Watery diarrhoea, 5 times a day	0.07
3	Own Health Today	0.13
4	Peptic ulcer	0.58
5	2 broken arms in stiff casts	0.84
6	Below knee amputation - one leg	0.02
7	Severe continuos migraine	0.07
8	Mild'Tuberculosis with treatment	0.03
9	Below knee amputation - two legs	0.42
10	Quadriplegia	0.80
11	Unipolar major depression	0.38



Please reflect upon the degree of severity you have determined for each condition above, as well as any discrempancies between the card sort and Time Tradeoff exercises. Based on this reflection you may wish to revise your Time Tradeoff evaluations. We would recommend that you do not revise the card sort at this stage, since you have already reflected on it adequately. Now please reflect and revise your valuations and let us have your revised estimations.

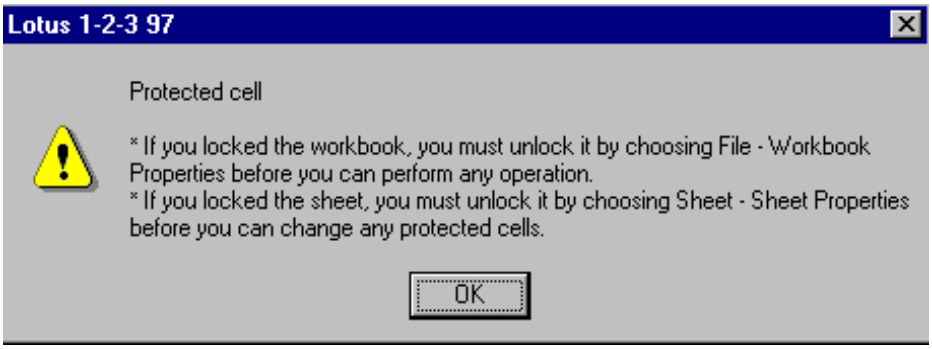
4. To enter data for the second and subsequent iterations click the TTO_Data tab and enter the revised number of years in Alternative-2 at which the valuer is indifferent between alternative - 1 and 2 under the column labeled IndifYrsSA (D:G6 .. D:G16). Note that this is the only additional information generated by subsequent rounds of TTO, since, other information remain fixed across iterations.
5. Fill in the iteration number to which the data relates in D:I2. Then watch the No for which the ranks match information given at the bottom of the data entry panel in cell D:I18. When you see 11 here, you know that all ranks matched and you can proceed to the next exercise, namely PTO. Till then keep repeating the process for every subsequent round.
6. The "Reflection" report in TTORflctn2 tab is an alternative to the report in the TTORflctn1 tab. You can chose either of these.

F. Person Tradeoff (PTO):

1. To enable the valuer move to the next exercise, i.e. PTO, click on the PTO1_OwnHlth tab and print the "Your Own Health Today: Valuation worksheet - 2A".
2. Then move to the next tab called PTO2_OwnHlth and print the "Your Own Health Today: Valuation worksheet - 2B".
3. The PTO1_2 tab is where you enter the PTO1 and PTO2 results.
4. The Post_PTO tab contains the "Reflections" report which is similar to the "Reflections" report for the TTO exercise, with an additional upper panel summarising the PTO 1 & 2 results. A sample is shown on the next page.

G. Definitions tab & protection:

1. The last tab named "Definitions" contains definition of the sets of health states, etc. used by the spreadsheet program. Users should not modify any thing in this area.
2. The spreadsheet is supplied under a protected mode. Users can enter data only in designated areas. If you try to edit the protected cells, you will get the following protected cell message.



3. All computed cells have been protected to prevent inadvertent changes to the formulae. Users do not need to do any thing with the protected cells. The areas where data entry is required are all unprotected. If, however, you need to debug a spreadsheet giving problems, contact IHS for technical support through e-mail: ihsnet@hd2.dot.net.in, by telephone 91-40- 3210136, 3210139 or by fax 91-40-3241567 or send a surface mail to "The Institute of Health Systems , HACA Bhavan, Hyderabad, AP 500004, INDIA.

PTO1-2 Data brought forward and Final PTO Results

		PTO-1: Extend life of disabled - buy (1-YLDs			PTO-2: Cure disability i.e. buy YLDs			Final Results
Sl	Health State Conditions	Healthy	Disabled	DWtPTO1	Healthy	Disabled	DWtPTO2	DWt
1	Own Health Today	1000	1067	0.06	1000	16000	0.06	0.06
2	Mild 'Diabetes, no symptoms	1000	1071	0.07	1000	14000	0.07	0.07
3	Watery diarrhoea, 5 times a day	1000	1143	0.13	1000	8000	0.13	0.13
4	Peptic ulcer	1000	2400	0.58	1000	1725	0.58	0.58
5	2 broken arms in stiff casts	1000	6400	0.84	1000	1190	0.84	0.84
6	Mild'Tuberculosis with treatment	1000	1022	0.02	1000	50000	0.02	0.02
7	Below knee amputation - two le	1000	1071	0.07	1000	14000	0.07	0.07
8	Below knee amputation - one le	1000	1034	0.03	1000	40000	0.03	0.03
9	Severe continuos migraine	1000	1714	0.42	1000	2400	0.42	0.42
10	Unipolar major depression	1000	5000	0.80	1000	1250	0.80	0.80
11	Quadriplegia	1000	1600	0.38	1000	2600	0.38	0.38

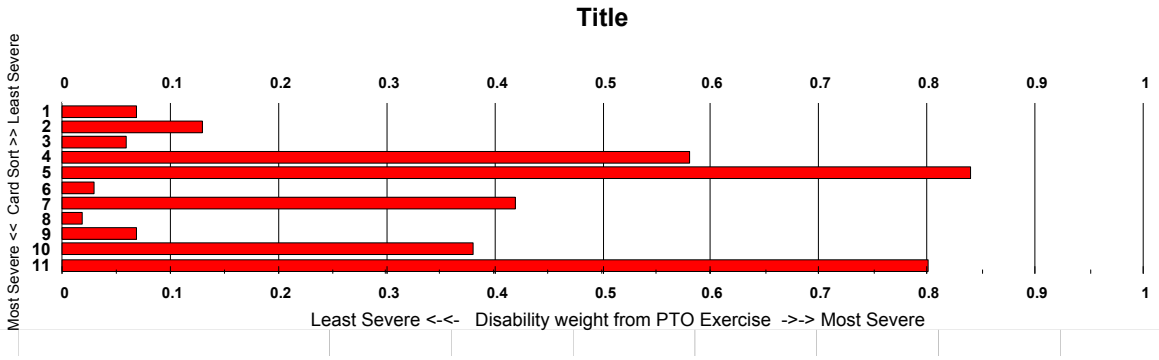
Person tradeoff - reflections: Review the magnitude of disability weights

Date: 13/10/99

Participant ID: 75_3u **Name: Valuers' Name** **Attempt: 1**

Thank you for valuing the given health states using the Time Trade Off exercise. We have computed the disability weights implicitly assigned by you to each condition. These are shown on the right side of this note. The level of disability implied by your choice in the Person TradeOff exercise is also shown in the graph below. You may recall the rank ordering of conditior done by you in the card sort exercise earlier. We have arranged the conditions according to your card sort rank, so that you can reflect if your current valuations are consistent with the ordering of severity judged by you earlier.

Sl	Health State Condition	DWt
1	Mild 'Diabetes, no sympt	0.07
2	Watery diarrhoea, 5 times a day	0.13
3	Own Health Today	0.06
4	Peptic ulcer	0.58
5	2 broken arms in stiff cas	0.84
6	Below knee amputation -	0.03
7	Severe continuos migrain	0.42
8	Mild'Tuberculosis with tre	0.02
9	Below knee amputation -	0.07
10	Quadriplegia	0.38
11	ar major depression	0.8



Please reflect upon the degree of severity you have determined for each condition above, as well as any discrempancies between the card sort and Time Tradeoff exercises. Based on this reflection you may wish to revise your Time Tradeoff evaluations. We would recommend that you do not revise the card sort at this stage, since you have already reflected on it adequately. Now please reflect and revise your valuations and let us have your revised estimations.

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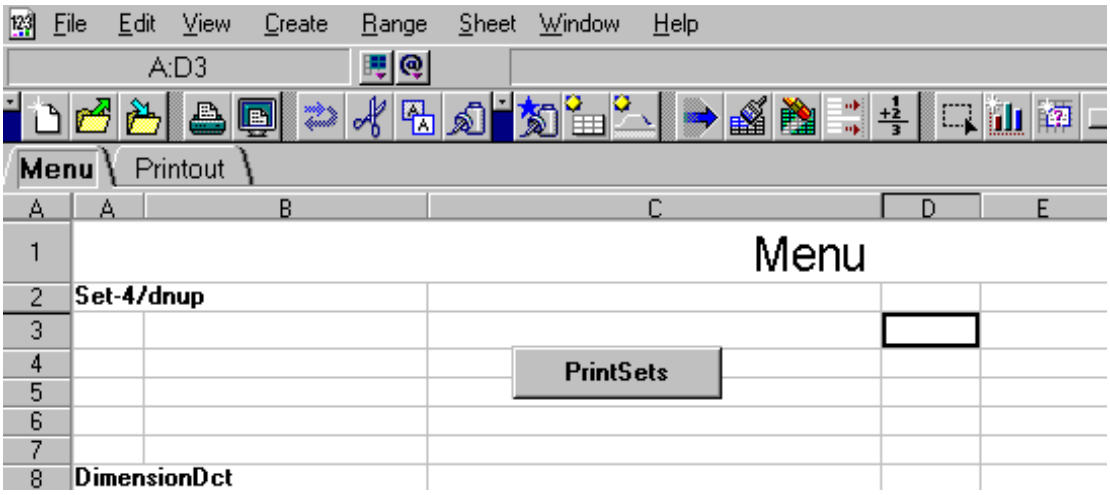
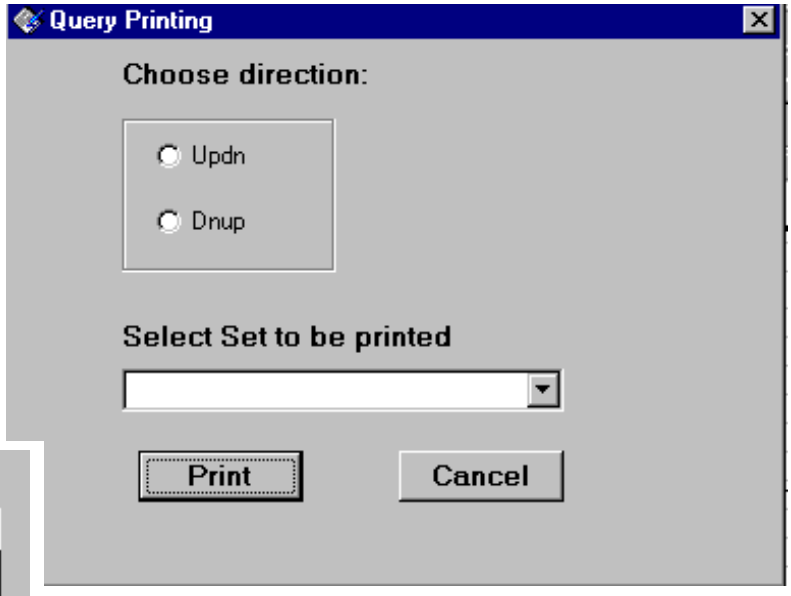
Appendix - 4.7

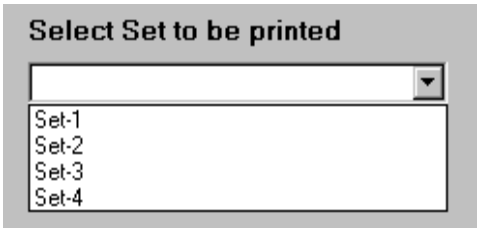
TTO Worksheet User manual.

1. To print TTO Worksheets: Make sure the default printer setting in Windows 95 matches with the printer you want to use. Open the file TTOWksheets.123 using Lotus-123 97 edition. Click the Menu tab, if you are not already there. You will see a PrintSets button in the first sheet named "Menu". This area looks as follows.



2. Click the PrintSets button. You will a dialog box as shown here. Choose one of the options "Updn" for progressively decreasing adjustment factors, and "Dnup" for progressively increasing adjustment factors.
3. Then select the set to be printed from the drop down box, which list the four sets. Then click the Print button to print.





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Appendix - 4.8

PTO Worksheet User Manual.

1. There are two files, namely PTO1wksheets.123, and PTO2Wksheets.123.
2. You use these two workbooks exactly in the same way as you do the TTOWksheets.123, which has been described in appendix 4.7. The only difference here is that there are two workbook files respectively for the PTO1 and PTO2 exercises
3. To print the worksheets for PTO1, open the PTO1wksheets.123 and click "PrintSets" button. Choose required options and the set to be printed and then click the Print button.
4. For PTO2, follow the same process using PTO2Wksheets.123.