

Design for chained approach to monetary valuation of a QALY

QALY value	WTP question	Green health state EQ5D 22222	Yellow health state EQ5D 21121
0.05	100% time	Gm	Yq
0.05	1 year risk	Gj	Yh
0.10	100% time	Gn	Yr
0.10	1 year risk	Gd	Yi
0.10	10 year risk	Gf	
Varies	One year with certainty	Ga	Yb
Varies	One year with certainty – four annual payments		Ye

RESPONDENT ALLOCATED TO 1 OF 8 VERSIONS – Figures below

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RESPONDENT RANDOMLY ALLOCATED TO START WITH EITHER GREEN OR YELLOW STATE								
GREEN HEALTH STATE – EQ5D 22222					YELLOW HEALTH STATE - EQ5D 21121			
STANDARD GAMBLE	ALWAYS FIRST ↓	THEN 2 OR 3 QUESTIONS IN RANDOM ORDER ↓			ALWAYS FIRST ↓	THEN 2 OR 3 QUESTIONS IN RANDOM ORDER ↓		
Version 1	SG 22222		WTP RISK VARIANT		SG 21121	ONE YEAR CERTAINTY	WTP RISK VARIANT	
	Standard Gamble exercise		1 year risk QALY=0.05	1 year risk QALY=0.10	Standard Gamble exercise	1 year 100% QALY varies	1 year risk QALY=0.05	1 year risk QALY=0.10
			Gj	Gd		Yb	Yh	Yi
Version 2	SG 22222	ONE YEAR CERTAINTY	WTP RISK VARIANT		SG 21121	ONE YEAR CERTAINTY	WTP RISK VARIANT	
	Standard Gamble exercise	1 year 100% QALY varies	1 year risk QALY=0.10	10 year 1/10 th risk QALY=0.10	Standard Gamble exercise	1 year 100% QALY varies	1 year risk QALY=0.10	
		Ga	Gd	Gf		Yb	Yi	
Version 3	SG 22222	ONE YEAR CERTAINTY	WTP TIME VARIANT		SG 21121		WTP TIME VARIANT	
	Standard Gamble exercise	1 year 100% QALY varies	100% time QALY=0.05	100% time QALY=0.10	Standard Gamble exercise		100% time QALY=0.05	100% time QALY=0.10
		Ga	Gm	Gn			Yq	Yr
					ALWAYS FIRST ↓	2 QUESTIONS RANDOM ORDER ↓	ALWAYS LAST ↓	
Version 4	SG 22222		WTP TIME VARIANT		SG 21121	WTP TIME VARIANT		ONE YEAR CERTAINTY
	Standard Gamble exercise		100% time QALY=0.05	100% time QALY=0.10	Standard Gamble exercise	100% time QALY=0.05	100% time QALY=0.10	1 year 100% 4 yearly pays QALY varies
			Gm	Gn		Yq	Yr	Ye

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RESPONDENT RANDOMLY ALLOCATED TO START WITH EITHER GREEN OR YELLOW STATE								
GREEN HEALTH STATE - EQ5D 22222				YELLOW HEALTH STATE- EQ5D 21121				
TIME TRADE OFF	ALWAYS FIRST ↓	2 OR 3 QUESTIONS RANDOM ORDER ↓			ALWAYS FIRST ↓	2 OR 3 QUESTIONS RANDOM ORDER ↓		
Version 5	TTO 22222		WTP RISK VARIANT		TTO 21121	ONE YEAR CERTAINTY	WTP RISK VARIANT	
	Time trade-off exercise		1 year risk QALY=0.05	1 year risk QALY=0.10	Time trade-off exercise	1 year 100% QALY varies	1 year risk QALY=0.05	1 year risk QALY=0.10
			Gj	Gd		Yb	Yh	Yi
Version 6	TTO 22222	ONE YEAR CERTAINTY	WTP RISK VARIANT		TTO 21121	ONE YEAR CERTAINTY	WTP RISK VARIANT	
	Time trade-off exercise	1 year 100% QALY varies	1 year risk QALY=0.10	10 year 1/10 risk QALY=0.10	Time trade-off exercise	1 year 100% QALY varies	1 year risk QALY=0.10	
		Ga	Gd	Gf		Yb	Yi	
Version 7	TTO 22222	ONE YEAR CERTAINTY	WTP TIME VARIANT		TTO 21121		WTP TIME VARIANT	
	Time trade-off exercise	1 year 100% QALY varies	100% time QALY=0.05	100% time QALY=0.10	Time trade-off exercise		100% time QALY=0.05	100% time QALY=0.10
		Ga	Gm	Gn			Yq	Yr
					ALWAYS FIRST ↓	2 QUESTIONS RANDOM ORDER ↓	ALWAYS LAST ↓	
Version 8	TTO 22222		WTP TIME VARIANT		TTO 21121	WTP TIME VARIANT		ONE YEAR CERTAINTY
	Time trade-off exercise		100% time QALY=0.05	100% time QALY=0.10	Time trade-off exercise	100% time QALY=0.05	100% time QALY=0.10	1 year 100% 4 yearly pays QALY varies
			Gm	Gn		Yq	Yr	Ye