

# Some comments on Stale Navrud's paper

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# General Comments

- Comprehensive and generic
- Provides clear guidance to process of VT
- Outlines need for sufficient studies to transfer from

# Specific Comments 1

- Reiterate need for new studies,
  - targeted at priority areas
  - Duplication is OK: see next slide
  - Focus on improving knowledge of populations affected: spatial + demographics; temporal

	Quantity	Quality	COI Data	Signif. Ext costs
Premature mortality (chronic)	M	M	M	H
Premature mortality (acute)	M	M	M	M
Respiratory hospital admission	M	M	H	H
Cerebro-vascular hospital admission	M	M	H	H
Cancer (lung) (fatal/non-fatal)	L	L	M	H
Chronic bronchitis	L	L	M	H
Restricted activity days	M	M	H	H
Minor RADs	M	M	M	M
Chronic cough	M	M	M	M
Congestive heart failure	M	M	M	M
Asthma attacks	M	M	M	M
Lower respiratory symptoms	M	M	M	M
Cough	M	M	M	M
Bronchodilator usage	L	L	M	M
Atopy, conjunctival irritation, Allergy/Irritant	L	L	L	L
Ischemic heart disease / myocardial infarction	M	M	H	M
Hypertension	M	M	H	M
Cognitive impairment	L	L	M	M
Hearing impairment	L	L	M	L
Skin cancer	L	L	M	H
Leukaemia	L	L	M	M
Osteoporosis	L	L	M	L
Renal dysfunction	L	L	M	L
Anaemia	L	L	M	L
Neuro-devt. disorders	L	L	M	M

Columns indicate 1) relevant health impacts that have been valued 2) quantity and 3) quality of studies, 4) the extent to which cost of illness data exists, and 5) a broad indication of the significance of each health end-point relative to others in existing RIAs.

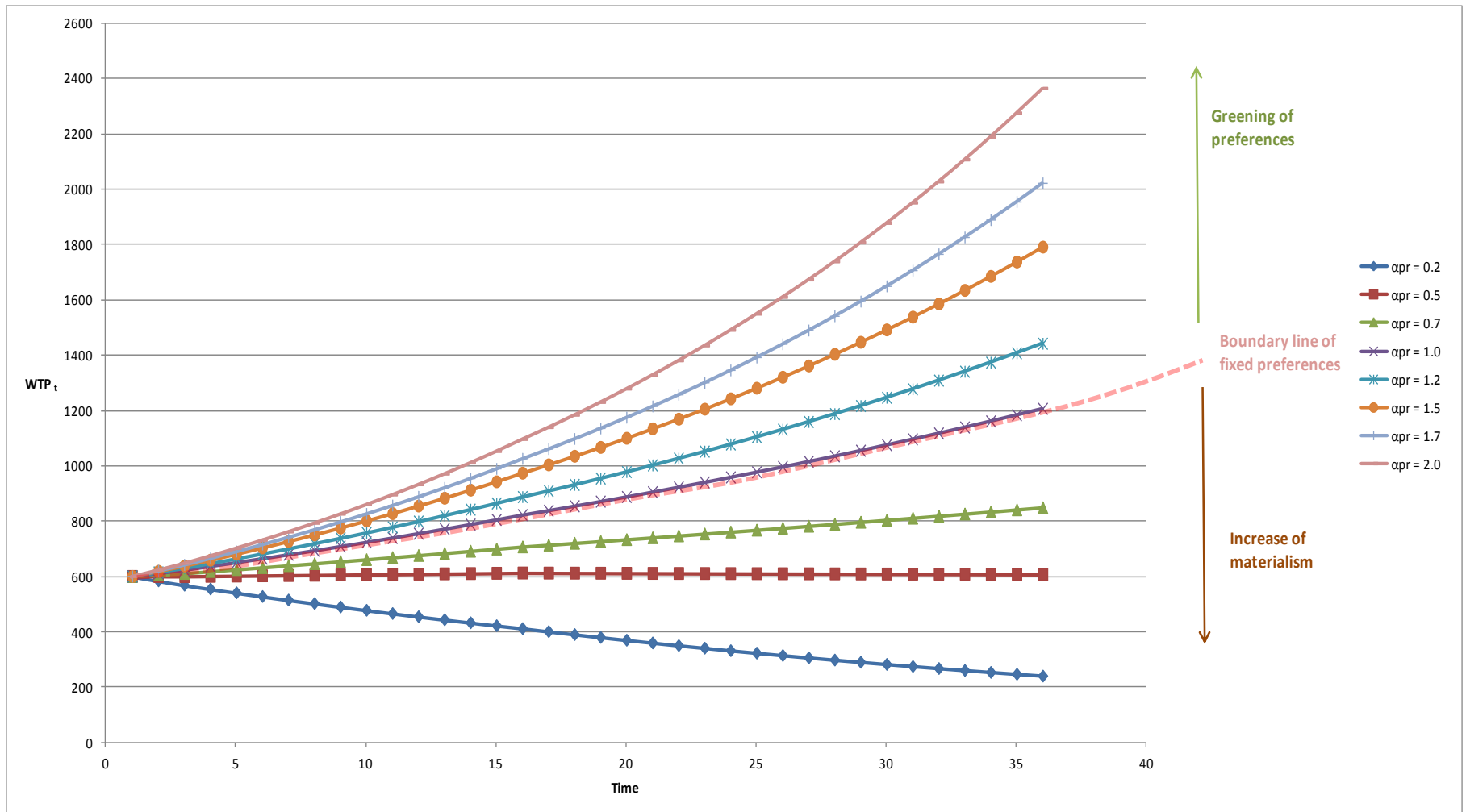
# Specific Comments 2

- Analyst's CBAs
  - Primary vs Value Transfer
    - Depends on time & resources available
    - What is the expectation of reducing error bars, given:
      - Necessary complexity of primary study
      - State of existing evidence base to transfer from
  - Unit VT vs Function VT vs Meta-analysis VT
    - Depends on available expertise and evidence base
  - Importance of the value in question in the CBA?
    - Likely significance of specific health/env impacts in costs/benefits

# Specific Comments 3

- Temporal considerations: see experience in CC economics literature
- Bulk of the discussion about future generations focuses on how much to discount rate, less on what to discount.
- $\alpha_{tot} = \alpha_{inc} + \alpha_{sc} + \alpha_{pr}$
- where  $\alpha_{tot}$  is the total growth rate of WTP;  $\alpha_{inc}$  the income growth factor;  $\alpha_{sc}$  the environmental depletion (or scarcity) factor;  $\alpha_{pr}$  the changing preferences factor.
- Scenario A: Stable preferences; Scenario B: Green preferences; Scenario C: Materialistic preferences

# The effect of $a_{pr}$ on future WTP values



# Pointers for discussion

- Is there the possibility of shared databases of primary studies?
- What possibilities are there for sharing expertise in VT practice?