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Putting the 'extra' in animal welfare: health maximisation for non-human animals

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What's the issue?

A unique set of features in the (human) medical care industry make market failure inevitable (Arrow, 1963).

This (in part) gave rise to non-traditional, non-welfarist approaches to economic evaluation and resource allocation in health care.

- Need to evaluate the cost-effectiveness of new pharmaceuticals.
- Practical and theoretical limitations to utility maximisation in health.

In Europe, 'extra-welfarism' became the norm (n.b. NICE).

- Maximisation of health within a given budget.
- Health state valuation is an essential feature of the framework.

Markets for animal health care exhibit similar characteristics (Einav et al, 2016).

The extra-welfarist framework has not been evaluated in the context of animal welfare.

Why extra-welfarism?

Animal health as a public / merit good

- Alternative **outcomes** and a broader understanding of 'value'.
- Information beyond utility i.e. provision of services not just because people would pay for them (n.b. animal rights).

Variety of perspectives

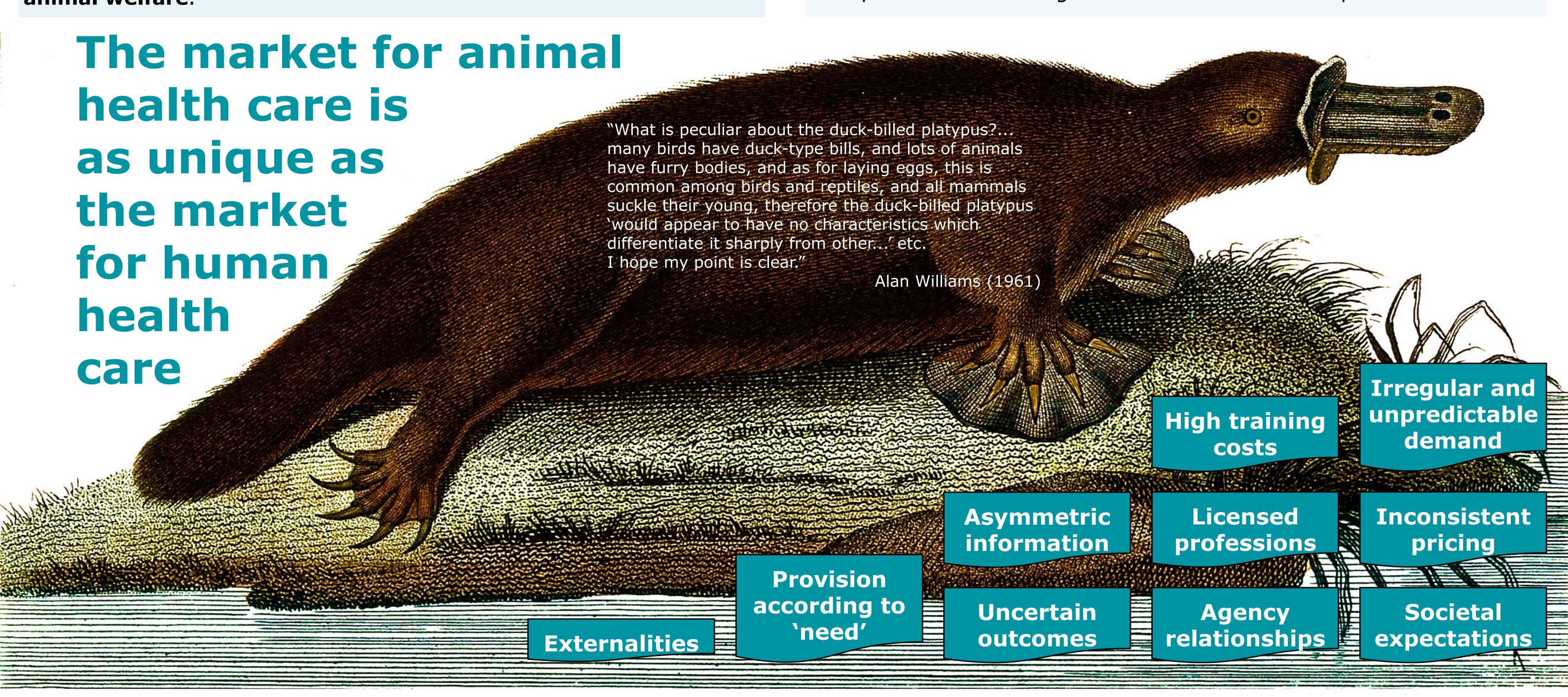
- Beyond individual preferences to include other sources of values.
- Owner / society / decision-maker.

Cross-sector application

- Allows for weighting of outcomes according to characteristics.
- Standardised evaluation across species, with differential valuation.
- Interaction with human health e.g. antimicrobial resistance.

Flexibility

- Interpersonal comparisons take us beyond Pareto optimality.
- Allows for trade-offs between individual animals and groups.
- Improvement of average health + reduction of inequalities.



A reflection on end of life care

Common challenges

Extra-welfarist solutions

Improbability of survival gain

- Time trade-off technique allows for explicit trading between quality and quantity of life.
- Estimate quality-adjusted life years (QALYs).
- Euthanasia for health states 'worse than dead'.

Changing priorities / reference points

- Focus on capabilities rather than functioning. Domain-specific evaluation of a 'good death'.
- Definition of **opportunity cost** in terms of

High costs, on multiple • sectors

- health displaced avoids low-value care.
- General outcomes with broad relevance.
- Caring externalities

Ethical concerns

- Assessment of carer quality of life.
- Collective valuation of outcomes.
- Weighting of outcomes (e.g. 'fair innings').
- Allocation according to **need / severity**.

Where should we go?

Extra-welfarism may be a valuable framework for the evaluation of animal health care

- 1. A deliberative process is needed to identify **objects of value** and to determine the evaluative space in animal health (Sampson, 2016).
 - i. These may differ in companion / livestock / wildlife contexts.
- 2. Mixed methods research to understand **priorities** and ethical principles across sectors and perspectives.
 - i. For pharmaceutical (and other health care) evaluation.
 - ii. For policy analysis.
- 3. Foster collaboration between economists and veterinary researchers.
 - i. Assessment and validation of existing tools.
 - ii. Development of new tools for animal health state valuation.

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References

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