

Centre for Bioscience: 9 December 2009 Introducing bioethics using EVS: the focus group and ethics committee Mark Goodwin

Teaching bioethics using EVS

- 1. Bioethics: introduction and outreach
- 2. Ethical thinking: promoting discussion
 - asking questions
 - the 'focus group'
 - the 'ethics committee'
- 3. Electronic voting systems (EVS): interaction and engagement

Bioethics: introduction and outreach

- Participation in large groups
- Ethical thinking
- Discussion and debate
- Topical, controversial and emotive

Bioethics: asking questions

- Science and ethics:
 - facts
 - values
- Arguments about ethics:
 - consequences
 - principles

(Chris Willmott: Bioethics Briefing No.1)

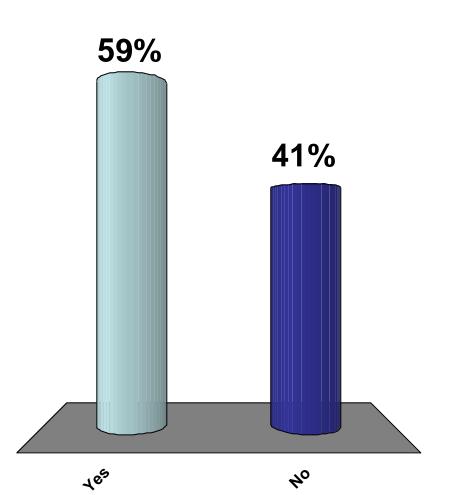
Ethical thinking: the focus group

- Exploring issues
- Discussion and structured debate
- Identifying and highlighting agreement/disagreement

- 1 Is DNA evidence reliable in obtaining convictions in criminal trials? Yes: Lois and Geetha / No: Jason and Dini
- 2 Samples from children as young as 10 are held on the NDNAD. Is this appropriate? Yes: Caroline and Mohammad / No: Dana and Brandon
- 3 Every person arrested for a recordable offence has their DNA stored on the National DNA Database. Should the sample and the profile remain on the database permanently? Yes: Faye and Evan / No: Catherine and Hafeez
- 4 Should DNA samples be used for research purposes? Yes: Kim and John / Mary and Ahmad
- 5 'Any intrusion on personal privacy is proportionate to the benefits gained' (Home Office website). Is this true?
 Yes: Charlotte and Sabia / No: Adam and Harriet
- 6 Should the entire population be put onto the NDNAD? Yes: Hannah and Tak / No: Ali and Emma

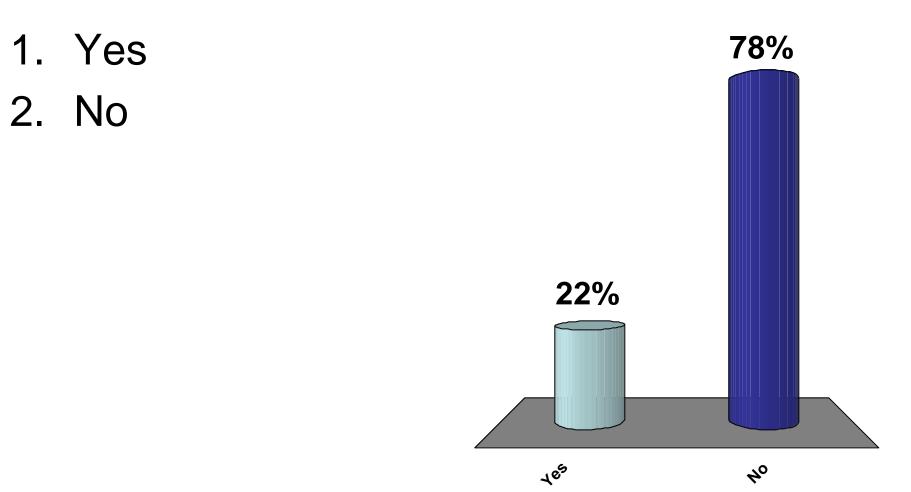
1 Is DNA evidence reliable in obtaining convictions in criminal trials?

- 1. Yes
- 2. No



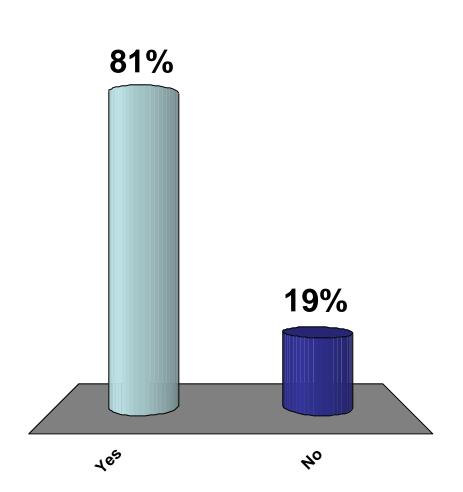
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2 Samples from children as young as 10 are held on the NDNAD. Is this appropriate?



3 Should the sample and the profile remain on the database permanently?

- 1. Yes
- 2. No



4 Should DNA samples be used for research purposes?

1. Yes 61% 2. No 39%

105

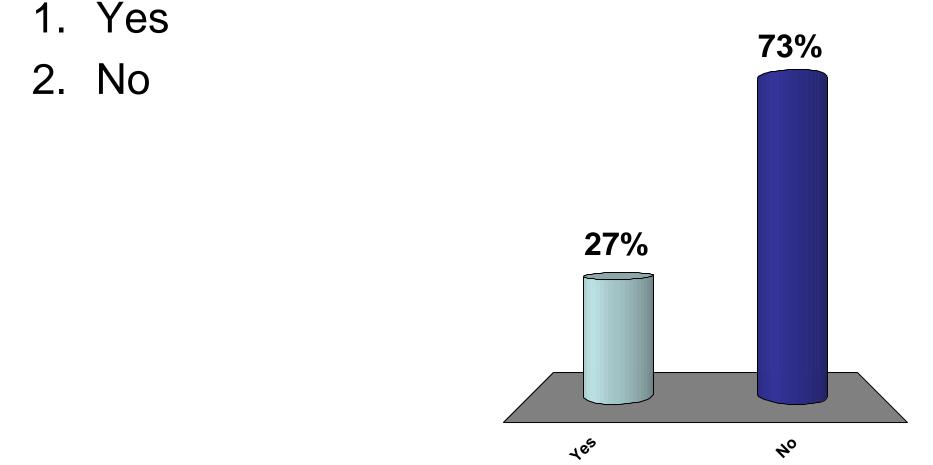
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5 'Any intrusion on personal privacy is proportionate to the benefits that are gained'

60% 1. True 2. False 40%

True

6 Should the entire population be put onto the NDNAD?



Ethical thinking: the ethics committee

- Exploring issues
- Discussion and debate
- A search for 'convergence'

Case studies

- A. Super salmon
- B. The 'enviropig'
- C. The insulin plant

A. Super Salmon

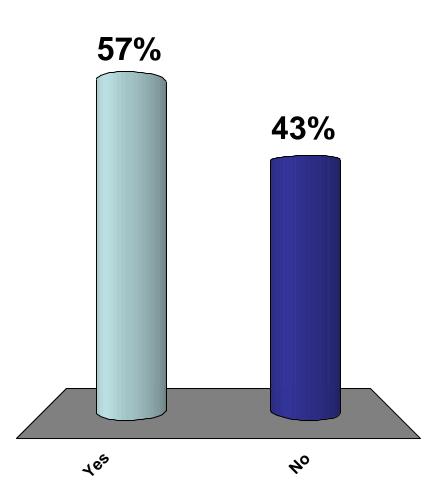
- GM fish grow to market size in half the time and convert food more efficiently.
- Two genes: growth hormone gene and promoter gene (from other species of fish).
- Stocked fish are all 'infertile females'.
- Some evidence that modified fish mature earlier, and produce more eggs, than native fish.

A. Should the 'super salmon' be licensed?

- 1. Yes
- 2. No

A. Should the 'super salmon' be licensed?

- 1. Yes
- 2. No



Results

Case study	Public vote (by EVS)		Ethics committees
	Yes (%)	No (%)	
A Oldest mother?	60	40	No No
B Boy or girl?	26	74	No No
C 'Designer babies?'	58	42	Yes No
D 'Embryo owner?'	57	43	Yes No

EVS: interaction and engagement

- 1. Questions: public and private
- 2. Questions: too many or too few?
- 3. Interest in response: student and teacher
- 4. Flexibility
- 5. A collective endeavour