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Identifying relevant future technological developments

What relevant technology trends are likely to impact on health and healthcare in the next ten to fifteen years?

Assuming this is related to provision of health services then mobile technology used by providers, and portal access to health records by patients have the potential to bring about paradigm shifts in service

Assessing the potential positive and negative impacts of relevant future technological developments

2 What areas in the provision of health and healthcare could be positively or negatively affected by these developments?

The technology is of less a concern than the business language on which it is based. As clinicians act more remotely then the need for definition of clinical terms requires more exactness than many professionals are used to, indeed the constant cry is for "free text" however this only provides a truly semantic meaning at that time and to the individual recording.

3 What actions should be undertaken now to maximise positive impacts, or to prevent or minimise adverse effects?

Clinical terminology, its use by inputers and receivers is a fundamental building block and needs to be more widely understood and engaged with.

Evaluating the wider implications of relevant future technological developments

4 Do you have any concerns associated with the generation, release and subsequent use of personal data?

Given that DPA rules apply then no

5 What medico-legal and ethical issues merit consideration when introducing new technologies, such as the responsibilities, processes and liabilities for decision making?

Context and content of information utilised for clinical decision making needs to be representable at that instance

6 What regulations or other mechanisms (including standards) would facilitate the responsible development of relevant technologies?

National terminology standards

7 What infrastructure would be required to allow any new technologies to be used effectively?

Spine, decision making processes for terms, coding

8 What are the most likely promoters and barriers to the take up of new ICT devices and systems?

Money

9 What education and training would need to accompany the introduction of any technologies, and who would need to be involved?

Anyone affected. This question, and the others, is far too generic to make a meaningful comment without actually giving you enough information for a thesis

10 How are professional roles and responsibilities likely to be affected by the increasing use of ICT?
Could be either constrained by roles based need to know genericism or new ones needed

11 How can the development of technologies that meet patients' and informal carers' needs and are practically useable be best facilitated?
Again too generic, also depends on socio-geo-economics

12 What are the potential impacts of the costs of any of these new technologies
Empty pockets! This is a meaningless question unless you are looking for cost benefit analysis. Again there is a vast amount of research available in this area so I'm not sure what you are trying to achieve

13 What are the implications of the international use of future technological developments, such as global use of health data, variability of ICT-enabled support, and interoperability?
Health data is already globally aggregated, what do you think WHO use? Are you talking about anonymised for trending or personal

14 Are there any other important issues that have not been addressed by the questions above and that you think the working group should address?

The breadth here is already too vast to do anything meaningful unless the timeframe is unlimited.