Prais – my challenges

*Predicted range*

* Crucial choice: what do we call a hospital that is performing as expected? Eg “19 times out of 20, we would expect a **XXXXX** hospital’s observed survival rate to be within this range”
* Explanation in animation: each child has their own chances of survival, *and* *taking all these individual chances together* means that we would expect the observed survival rate to be within this range.., if the hospital is performing as *predicted*.

*Chance factors*

* Definition reasonable but name?

**How do we use language that distinguishes or clarifies relationship between**

**% CHANCE OF SURVIVAL (as predicted by PRAiS);**

**5% CHANCE OF BEING OUTSIDE PREDICTED RANGE : *don’t use chance here, use frequency 19 times out of 100***

**Chance factors [new name?]**

Mike and I to talk about animation: focus on – difficulty of images.

1. explaining risk/predicted range: flickery dots
2. observed dot and its interpretation
3. each only around 2 minutes?

Test ideas at workshops in a few weeks – images and language

* **CP query to DS**: where should we discuss issue of multiple comparisons – we did think this was most relevant to journalists/press officers and could perhaps be only in the further info?
* **[definitely leave until further info, only relevant if looking at whole picture]**
* **Opinions please!** We currently say everywhere that “There is no evidence that the hospital’s survival rate is *meaningfully* different from what is predicted” – the “meaningfully” is left over from when we compared to the exact survival estimate. Now that we **only** discuss the predicted range, should we in fact just say ““There is no evidence that the hospital’s survival rate is different from what is predicted” – AW pointed out to me yesterday that he found the “meaningfully” confusing since he thought that it just wasn’t different and I agree with him.
* **[YES, rather nice, since now prediction is a range…**]

Idea of Animation 1

* MP does outline for risk factors to % for an individual (weigths, scales)
* Grid of 100 kids with their numbers
* Cannot predict exactly, but a “possible future” is 2 don't survive [show 2 fading out], giving a 98% survival rate [show dot]
* Another possibility is 3 don't survive [fade different ones], giving 97% {previoius dot fades, new one comes in
* Repeat rapidly showing possible survival rates for the whole group.
* In 19 out of 20 of these poissible future outcomes, the predicted survival rates lies in the blue interval {draw on interval, show occasional dot outside.
* *Must make clear that talking about the same 100 babies*
* In 998 out of 1000, lies in this interval. [al dots lie inside]
* Compare two hospitals, one with more severe patients, showing interval lower.