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Recurrent Issues at NDAC Meetings

Interpretation of label comprehension studies

Interpretation of actual use studies

 Potential use/misuse by "non target" populations

Interpretation of Label Comprehension Studies--Problems

No predefined end point

- What was the study goal?
- Frequently the data analysis seems to be a moving target
- No agreement on "passing grades"
- No agreement on "critical questions"
- No agreement on data analysis
 - Frequent post hoc merging of "similar" questions
 - Often appears to be retrospective polishing of data
 - Data manipulation is rampant

Interpretation of Actual Use Studies Problems

- Same issues as with label comprehension
- In addition
 - Do results from actual use trump comprehension or vice versa?
 - They often do not appear additive or even complementary
 - Should they have different goals?

Data Analysis

Usual analysis standards should apply

- Prespecify analysis plans
- Prespecify "critical questions/outcomes"
- Merging of outcomes must be prespecified
- Study goal(s) needs to be defined
 - Should explore how to best convey information (comparisons)
 - Not just how badly (or not) we did
- Standards for passing grades predefined
- Standard/strategy for low literacy predefined
- Need to be consequences of unacceptable outcome

Fundamental Problems

 Impression is that we just do a study and see how it comes out

- Then try to justify the outcome
- Then try to explain away poor outcomes
- No consequences
- No comparator
 - So we never find the best (or better) approach
 - Just how this specific approach worked
 - Is there a better approach—never know
 - No iterative approach

Potential Use/Misuse by "Non Target" Populations

Comes up every time

- Often entirely theoretical
 - "But what if this other group took it for XXX"?
 - "What if another group misunderstands?"
- Drugs do not usually have to be proved safe/effective in patients who should not be taking them
- Is there an acceptable/unacceptable level of risk in non indicated patients?
 - How do we know?
 - How would/could we know?

Conclusions

Data analysis

- Same rigor required as in other settings
 - Currently not seen

Actual use/Comprehension studies

- Expectations not defined
- No comparisons so no learning/improvement
 - Should there be a control group in every study?
 - Versus say another accepted label to define difference in performance
 - Versus alternative information presentation

Non Target Groups

- We need data not conjecture
 - Is potential harm different from lack of benefit?
- How does proven benefit to target group outweigh potential harm to non target group?
 - Does it?
 - Should it?
- Actual misuse versus potential misuse
- Is deliberate misuse different from misunderstanding?



- Define standards to be met
- Have expectations that these standards will be met
- Consequences when standards are not met