METRICS FOR EVALUATING IRB PERFORMANCE

Short Term Metric: Action within 21 days of submission in June 2016

Action is defined as reviewing a submission by a staff member or a member of the IRB and informing the investigator of the result of the review within 21 days. The result may be approval or a request for modifications.

Submission is defined as a new protocol; an application for continuing review; an application to amend a protocol; a response to a request for additional information; a response to a stipulation to modify a protocol; or a notice of closure of a protocol.

Efficiency. The figure of merit we use to measure processing efficiency in a given month is:

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\frac{\text{all actions within 21 days}}{\text{all submissions in the month}}.
\]

Discussion. Submissions jumped from 52 in May 2016 to 99 in June 2016 and processing efficiency decreased slightly from 0.85 to 0.82. It should be emphasized that the substantial increase in number of submissions was accompanied by a significant reduction in the number of IRB members available to conduct reviews during the summer months.

We present data for the most recent month in relation to data for the previous 12 months. Analysis of data accumulated in last 20 months suggests that the best estimate for our processing efficiency lies in the range 0.70 – 0.90 (70%-90%).

Figure 1. Submissions and Processing Efficiency.

Upper panel. Total submissions for latest month in relation to previous 12 months.

Lower panel. Processing efficiency. The points show actual processing efficiencies for each month. The red and green lines represent the upper and lower bounds of our processing efficiency as estimated from data for the last 20 months.
**Long Term Metric: Time from submission to approval**

Total processing time of an application comprises processing by IRB staff; review by IRB members; and revisions by investigators in response to IRB requests for information or changes. Figure 2 shows distributions of total processing times for new applications, continuation applications, and amendments approved in July 2016. Median approval times were less than 2 weeks for Amendments and Continuation Applications and less than 3 weeks for New Applications.

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**Figure 2. Distributions of approval times.**

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1-August-2016