

Questions and Answers on Data Monitoring Committees issues

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Disclaimer

Apart from presenting (shortened versions of) the verbatim text of the Q&A, statements in this presentation are my own and do not necessarily represent the opinion of BSWP or EMA.

Context

- Draft published August 2018
- Public consultation August 2019
 - comments from 10 stakeholders
- Q&A was officially adopted by CHMP on 17 September 2020

The Q&A is not a standalone document but should be read in conjunction with the DMC guideline.

- GCP IWG is planning to revise the DMC guideline, after CHMP agrees to that

Principles DMC

- Independent members, external to the Sponsor
- evaluating/monitoring accumulating data with an objective to safeguard safety of current and future participants, and progress of the trial
- Advisory role to the Sponsor (regarding modification, continuation, termination)
- Maintain trial integrity and credibility (as DMC may have access to unblinded data)



Questions on:

- Decision power of DMC
- Communication by DMC
- Disagreement between DMC and Sponsor representative on stopping the trial
- Need for (non-)DMCs in early development



Decision power

Advisory principle ==> decision power

Question	Answer (shortened)
1. Are DMC recommendations binding for a Sponsor?	No. However, not following DMC recommendations should be documented and justified.
2. Can a DMC stop a study ?	No. Of the DMC and the Sponsor, only Sponsor can stop study.

Advisory + trial integrity principle ==> decision power

Question	Answer (shortened)
3. Can a DMC change study design aspects (e.g. increase sample size, drop treatment arms)?	<p>No. Of the Sponsor and DMC only the Sponsor can change design aspects</p> <p>Preplanned changes (e.g. adaptive designs): Operationalize such that the DMC can maintain its advisory role</p> <ul style="list-style-type: none">• without making direct decisions and can maintain trial integrity• DMC may look at unblinded data, but Sponsor should be kept blinded <p>(DMC could 'help out' to execute a properly pre-planned decision-rule, but in principle this could also be another independent committee.)</p> <p>Unplanned changes: Can be proposed by DMC, but such that trial integrity is maintained.</p>



Communication

trial integrity principle+ advisory role == => communication

Question	Answer (shortened)
4. Is a direct communication and exchange of information between competent regulatory authorities and a DMC possible?	<p>As a general rule: no, communication via Sponsor.</p> <ul style="list-style-type: none">• DMC is advisory• Sponsor final responsibility <p>In exceptional circumstances (public health threats) affecting the conduct current trial or other trials, competent reg.auth. may need information of the DMC:</p> <ul style="list-style-type: none">• Sponsor should be involved in request for exchange• If possibility that trial can continue: Exchange from DMC to reg.auth. directly to preserve trial integrity (not breaking the blind) <p>If reg.auth. wants to inform DMC of safety concern: via Sponsor</p>
5. Is a direct communication between Ethics Committees and a DMC possible?	<p>In some nations, Ethics Committees monitor specific AE, risk/benefit, and can change/stop a trial. This combination of knowledge and decision power may give risk of introducing bias. Therefore, same principles as above.</p>

trial integrity principle ==> communication

Question	Answer (shortened)
6. Should the Investigators be informed about the outcome of DMC meetings?	<p>Yes. DMC can communicate the following*</p> <ol style="list-style-type: none">1) Continue without changes2) Continue with modifications:<ol style="list-style-type: none">a) Quality improvement measuresb) Measures for safety/negative risk-benefit:<ul style="list-style-type: none">- patient care- patient recruitment3) Stop the trial <p>Trial integrity preserved if 1), 2a) or 3). For 2b) communication should be such that trial integrity is preserved as much as possible</p> <p>*if recommendation adopted by Sponsor</p>

safeguard safety == => communication

Question	Answer (shortened)
<p>7. When shall competent regulatory authorities be notified of DMC outcomes?</p>	<p>Unexpected safety finding: immediately. Other outcomes: together with planned safety/interim analysis reporting.</p>



Disagreement DMC vs Sponsor's trial steering committee
on stopping

trial integrity ==> reconcile disagreement

Question	Answer (shortened)
8. How should the DMC proceed when contemplating the recommendation to stop the trial?	<p>Minimize impact on trial integrity as trial might still continue, Applies to</p> <ul style="list-style-type: none">• Degree of involvement Sponsor• Communication to investigators <p>1) When DMC is considering recommending stopping</p> <ul style="list-style-type: none">- Recruitment on hold and involve external experts- DMC and experts discuss in closed sessions all evidence in and outside the trial <p>2) Should DMC recommend stopping and Sponsor's representative disagrees</p> <ul style="list-style-type: none">- All efforts from both sides to reconcile <p>3) If not resolved in 2), then</p> <ul style="list-style-type: none">- Closed session with DMC, external experts and senior Sponsor personnel with decision power and independent of the trial- Reach common decision <p>Important to present a common decision as otherwise trial integrity damaged (operational bias)</p>



(non-)DMCs in early phase trials

trial credibility + safety protection

Question	Answer (shortened)
<p>9. When is there a need for a DMC in early development phases? <i>(Combines answer to question "Do DMC members have to be external in relation to the Sponsor in early development phases?")</i></p>	<ul style="list-style-type: none">• Sponsor's product knowledge may be needed in early phase safety monitoring => (some) non-independent members in an safety monitoring• Trial credibility => sufficient independent members for objective decision making• non fully independent safety monitoring committee are not called DMCs, but different: e.g. safety review committee• (Also) installing a DMC can <u>still be in interest of sponsor</u>, as early development may include complex and possibly controversial decision making. <p>E.g. in case of unexpected / critical findings that require objective, but not urgent decision making, a DMC can provide (additional) assessment that enhances credibility of the decision making.</p>