

Supplementary file 2: Changes in quality indicator description after the 2 weeks feasibility study

The following changes were done simultaneously in both the FinnHEMS database and the Formsite database at the end of the feasibility test; June 24th 2016. No additional changes were done in the databases throughout the main study period.

QI 3: "What is the time interval from P-EMS unit arrives at the patient, until transportation of patient is initiated (in minutes)?"

The question itself (above) remained unchanged.

Performed change: The following text was added as explanation to clarify the meaning of the question: "If the patient is declared dead on scene, the end point of this time interval will be time of death. For "treat and leave"- situations, the end point of this time interval will be when you leave the patient. If the patient is transported by others, and you leave before this transport is initiated, the end point of this time interval will be when you leave the patient."

QI 4a: "Did you deliver the patient at the preferred destination? The preferred destination is the one defined by local protocols or by the P-EMS physician her-/himself when a local protocol for this does not exist."

The question itself (above) remained unchanged.

Performed change: We added the following information to the explanation of the question: "If you were not limited by the factors above, but the patient still is declared dead during the response, please tick the answer "yes". Note: "the factors above" refer to weather conditions, technical problems, concurrency conflicts, the patient's condition etc."

QI 4b: "What is the time interval from the P-EMS unit received the alarm call until the patient arrived at the preferred destination as defined in question 4a? You answered "Yes" on question no. 4a; please provide an answer in minutes (max 4 digits)."

The question itself remained unchanged.

Performed change: We added the following text to the explanation: "If the patient is declared dead during the response, the end point of this time interval will be the time of death."

QI 5: "Did the patient arrive hospital alive?"

The question itself remained unchanged.

Performed change: We concluded it was relevant to add another response alternative: "Treat and leave (patient not going to hospital)". Thus, we could identify these responses. Some of our participating services do a substantial volume of "treat and leave" responses, and it would be appropriate to identify these.

