

Concept of Operations (CONOPS) and Functional Flow Diagram

The concept of operations for PMPS revolves around the timely and accurate delivery of electronic patient health records (ePHI) to critical medical providers. This should be possible anywhere - for the doctor that is in his/her medical office or the emergency medical technician (EMT) that is at the scene of an accident. In every case, the patient would have complete control over their medical records, giving consent to medical providers of their choosing.

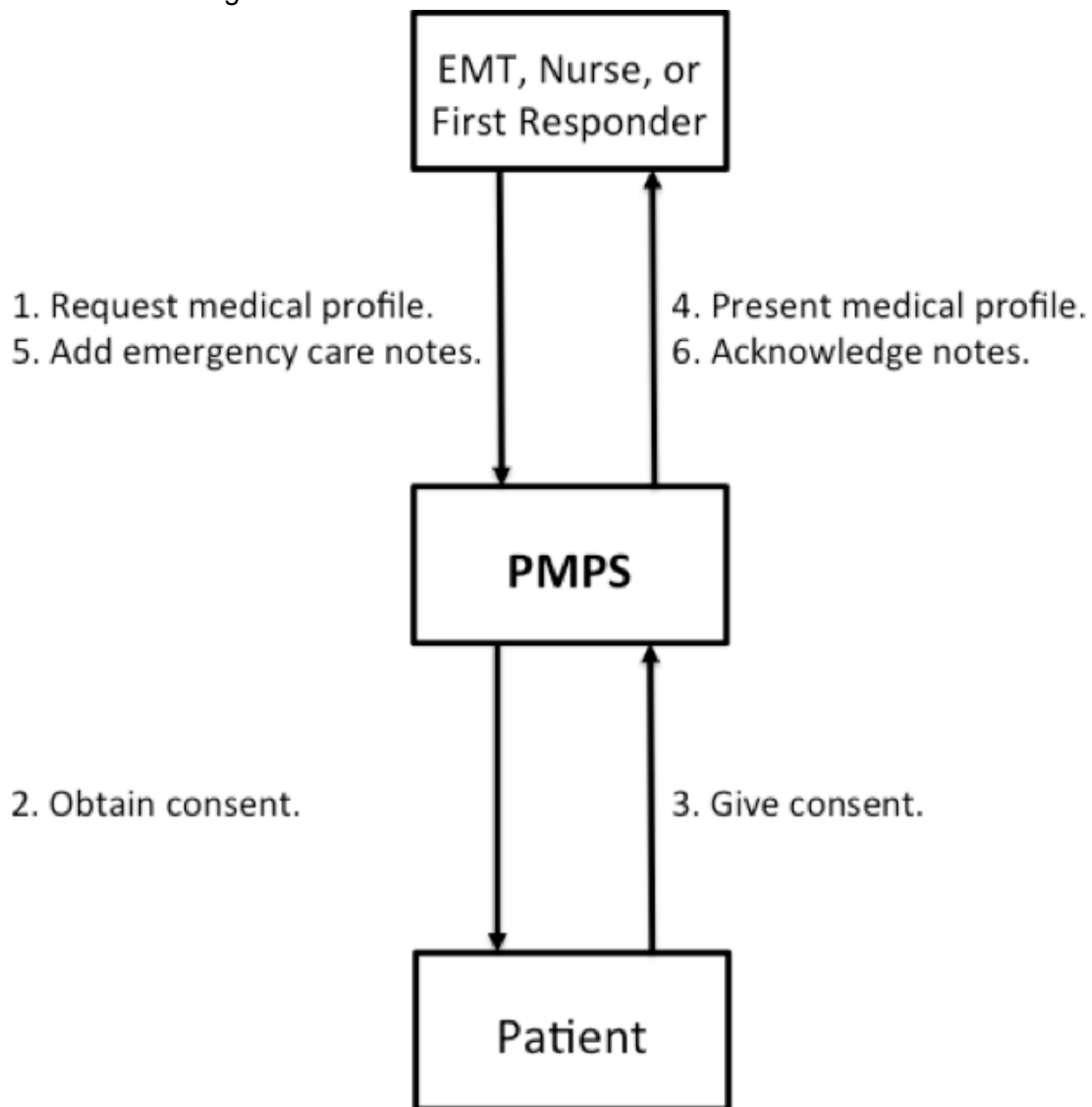
The following CONOPS describe the basic functions of PMPS according to each user class.

1.1. CONOPS-1 - Medical Profile Access by First Responders

This covers the time-critical situation when an EMT is treating a patient and needs to obtain their medical history. The use case can be outlined as follows:

1. EMT makes a request to PMPS for the Patient's medical profile.
2. PMPS makes a request to the Patient for permission to release records.
3. Patient acknowledges and grants permission.
4. PMPS displays medical profile to EMT.
5. EMT adds notes regarding administering of emergency care.
6. PMPS acknowledges and saves notes to medical profile.

The functional flow diagram for the use case is shown below:



1.2. CONOPS-2 - Doctor Updates Patient's Medical Profile

Doctors may build a patient's medical history by updating their patient's medical profile upon each visit. The use case can be outlined as follows:

1. Doctor makes a request to PMPS to update the Patient's medical profile.
2. PMPS makes a request to the Patient for permission to modify records.
3. Patient acknowledges and grants permission.
4. PMPS updates medical profile as per Doctor's request.

The functional flow diagram for the use case is shown below:

