```
┌─────────────────────────────────────┐
│      Enable Mobile Monitoring of     │
│          Abuse & Addiction           │
└─────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────┐
│   Receive the criteria/thresholds for│
│ monitoring (medication, patient, history)│
└─────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────┐
│   Monitor usage of medication doses  │
│      Collect data from other sources │
└─────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────┐
│   Process/normalize medication       │
│   consumption data from multiple     │
│   sources (with weighted reliability)│
└─────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────┐
│  Estimate level of Medication Adherence│
│    Detect patterns of consumption    │
│   (Multi-dosing, super adherence)    │
└─────────────────────────────────────┘
                    │
                    ▼
        Meets Abuse and/or    No
        Addiction Thresholds? ──────►
                    │ Yes
                    ▼
┌─────────────────────────────────────┐
│   Report to Healthcare Professional(s)│
│ and designated caregiver/family member│
└─────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────┐
│     Receive and implement the        │
│        suggested Interventions       │
└─────────────────────────────────────┘
                    │
                    ▼
        Goals Reached?   No ──────►
                    │ Yes
                    ▼
┌─────────────────────────────────────┐
│   Identify the suitable Interventions│
└─────────────────────────────────────┘
```

(b)   Process and Decision Support