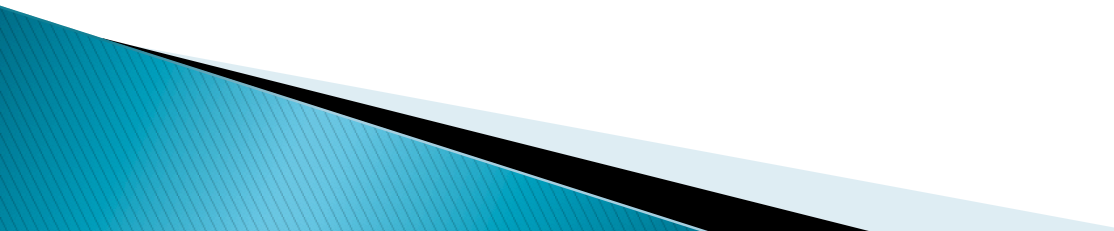# Some musings

Lori A. Clarke

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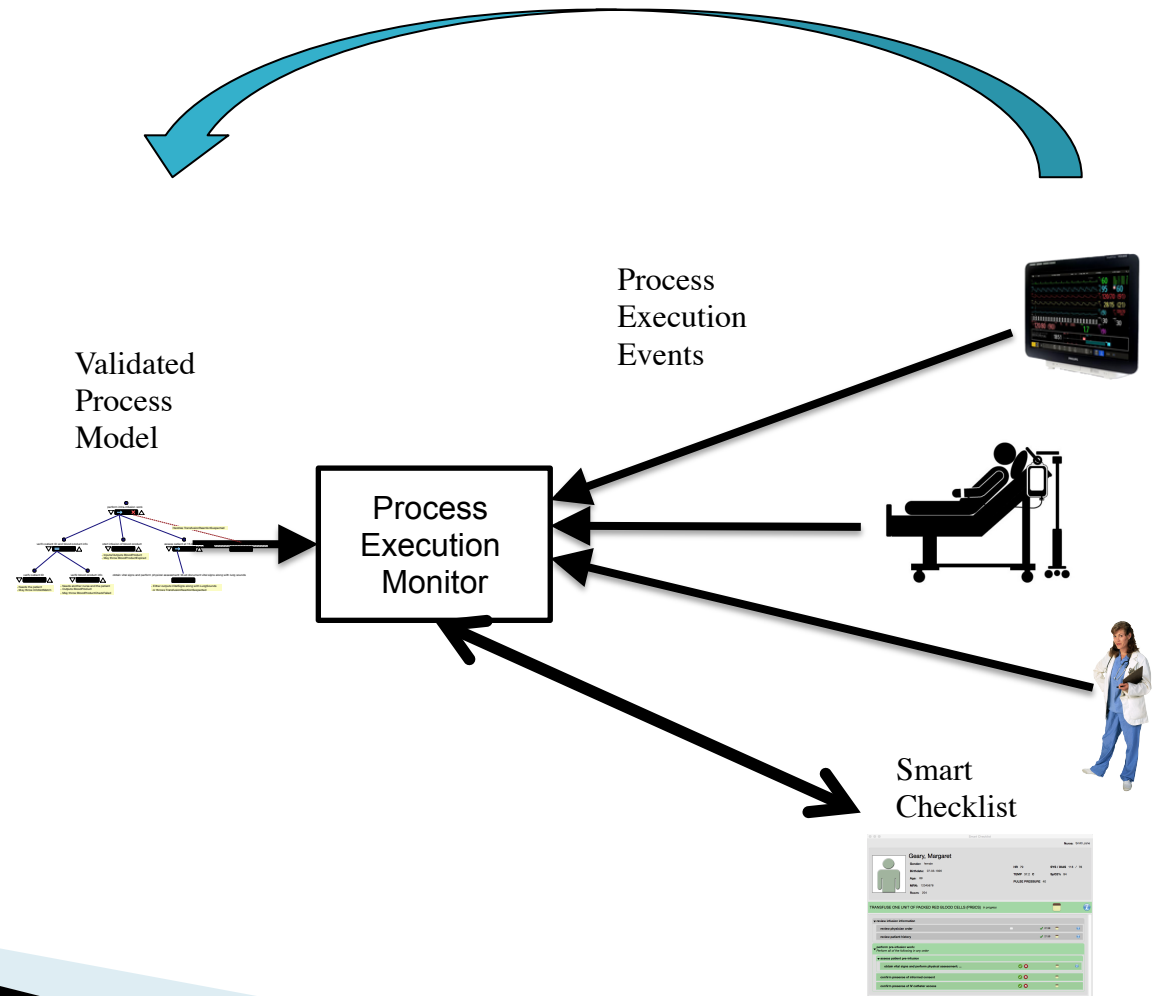
Several Continuous Process Improvement Loops

- For **each process** of importance
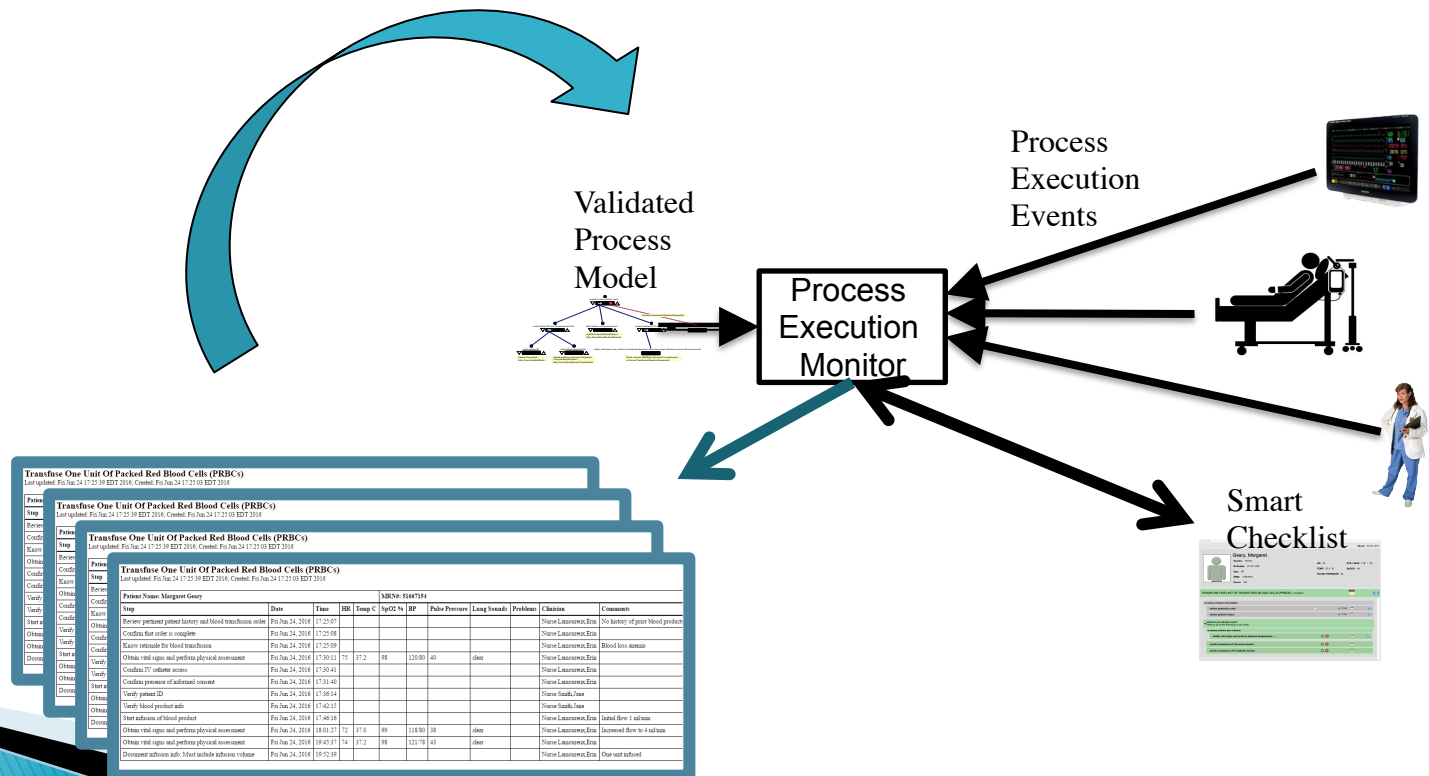
Several Continuous Process Improvement Loops

▶ For **each process** of importance

- Safety analysis
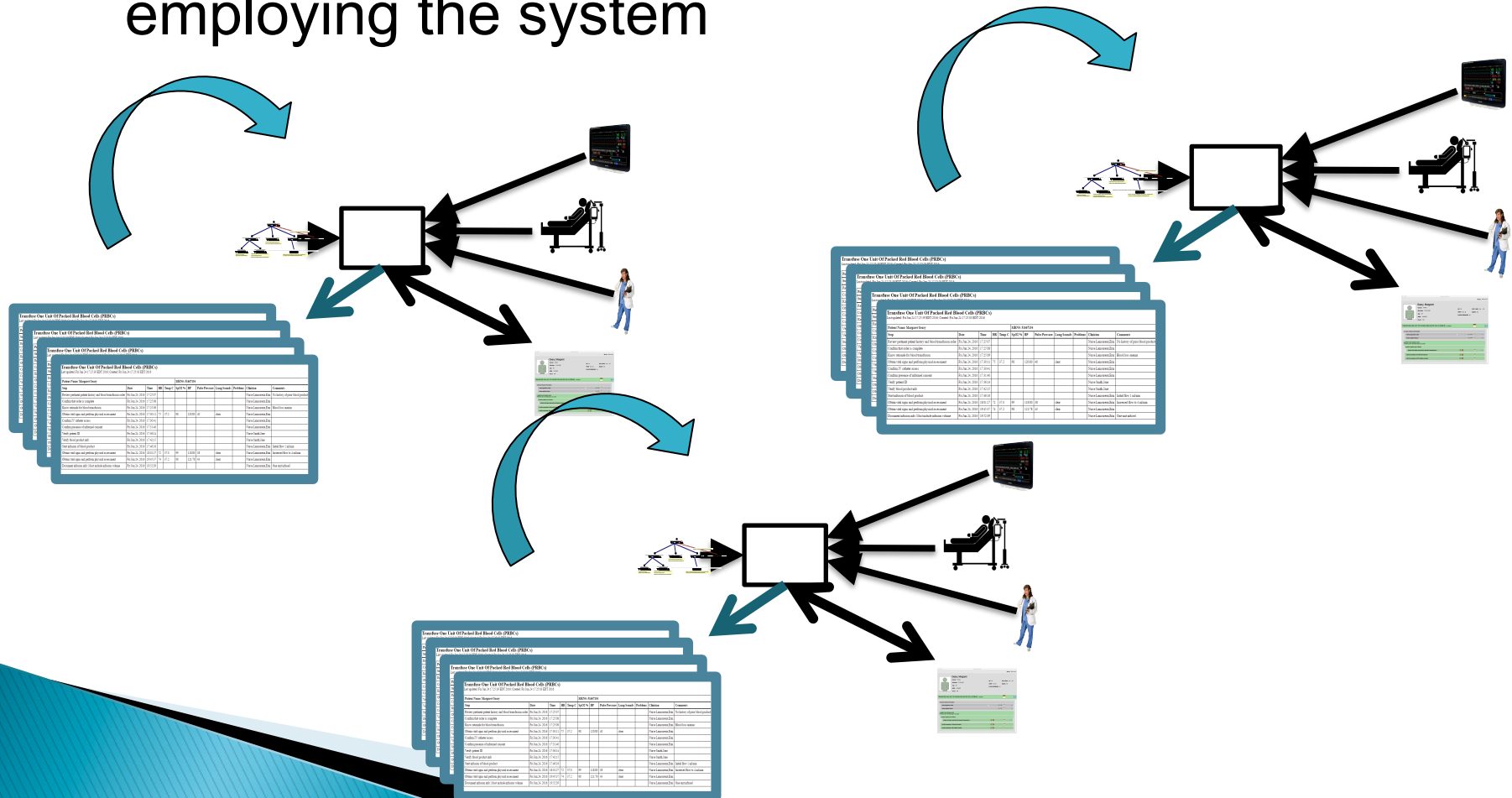- Hazard analysis
- Real-time guidance
- Deviation detection
- …

Process Execution Events

Validated Process Model

Process Execution Monitor

Smart Checklist

Several Continuous Process Improvement Loops

▸ For each process of importance **for collections/ communities of patients/clients/students**

Several Continuous Process Improvement Loops
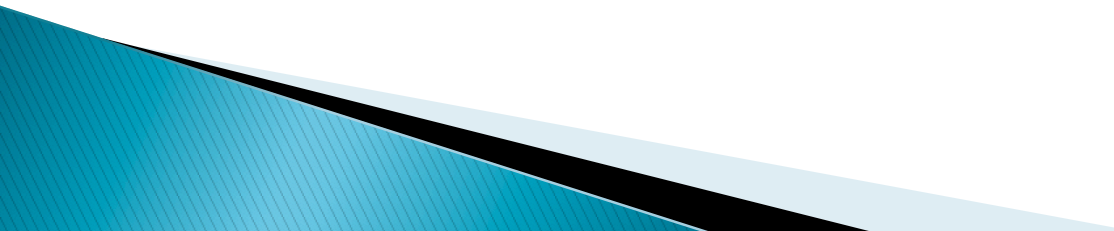
▸ For **collections of institutions/individuals** employing the system

Several Continuous Process Improvement Loops

▸ For the **cyber-social learning system** itself
  ◦ Not just improving the processes we are studying, but improving the learning environment that helps improve those processes

Who proposes the improvements?

◦ CSLS provides info to experts who propose improvements

◦ CSLS proposes improvements, validated by experts

◦ CSLS automatically **learns** to be a better system

Major Cross Cutting Concerns

- Testing and Verification
- Privacy
- Security
- Continuous monitoring and validation