

| | Lean | Six Sigma | Lean Six Sigma |
|---------------------|-------|-----------|----------------|
| No deployment | 47.2% | 57.5% | 62.9% |
| Minor deployment | 44.4% | 26% | 27.1% |
| Moderate deployment | 4.2% | 8.2% | 4.3% |
| Full deployment | 4.2% | 8.2% | 5.7% |
| | | | |

| No surprises here either | | | | |
|---|--------------|------------|--|--|
| Greatest challenges to s | successful o | deployment | | |
| - [| Lean | Six Sigma | | |
| Sustaining improvements | 68.3% | 52.6% | | |
| Competition from other initiatives | 58.5% | 47.4% | | |
| Leadership commitment | 53.7% | 52.6% | | |
| Availability of resources | 51.2% | 55.3% | | |
| Building employee knowledge | 34.2% | 42.1% | | |
| Motivating employees | 31.7% | 39.5% | | |
| Expertise | 22% | 26.3% | | |
| Scaling up the effort | 14.6% | 29% | | |
| Other | 2.4% | 2.6% | | |
| No challenges | 0% | 2.6% | | |
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Overcoming challenges

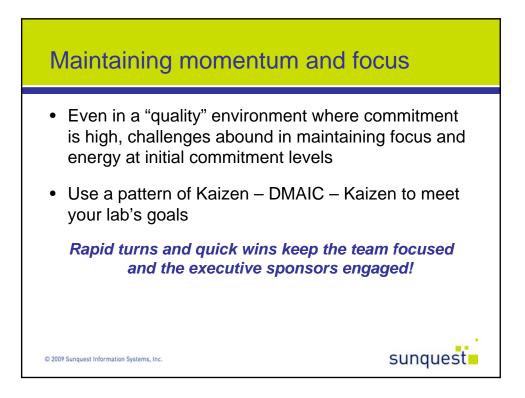
The inability to sustain improvement was cited by 68% of study hospitals as the greatest challenge to achieving successful lean deployment and by 53% of hospitals as the greatest challenge to achieving successful Six Sigma deployment.

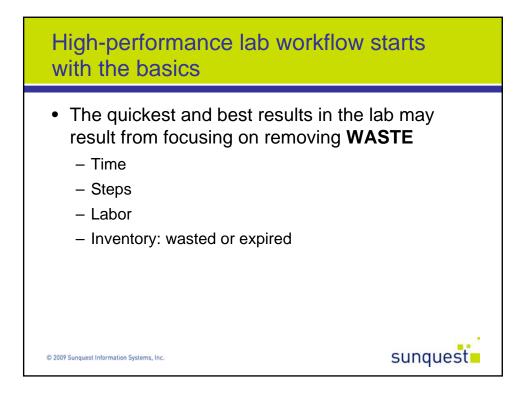
Other challenges include competition from other initiatives, level of leadership commitment and availability of resources.

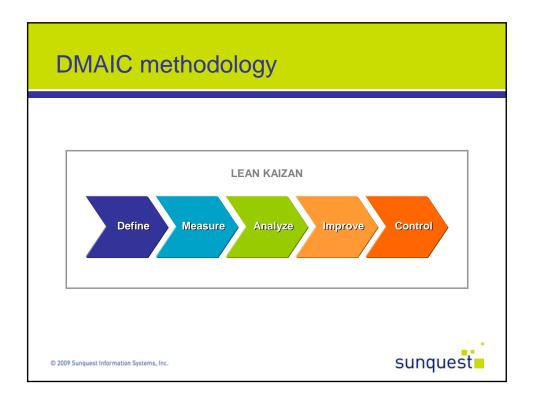
Get Your Checkup: ASQ study looks at hospital deployment of Lean and Six Sigma, Quality Progress, August 2009

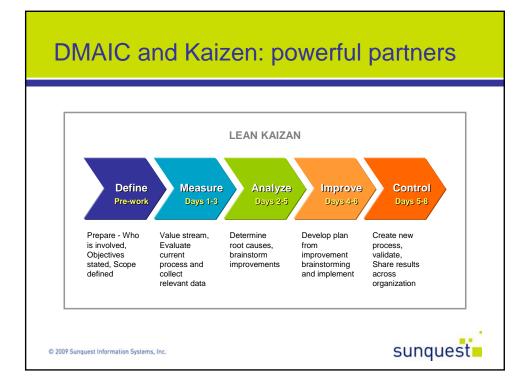
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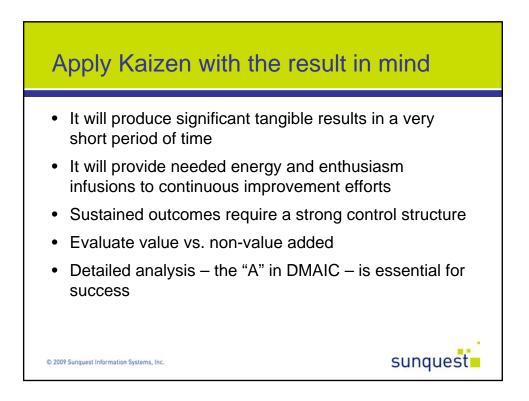
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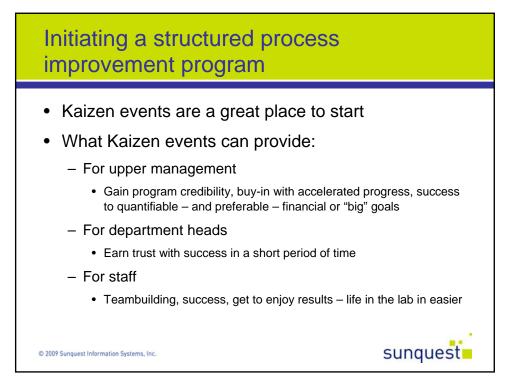


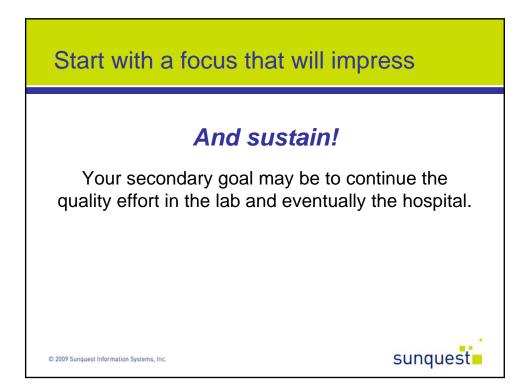




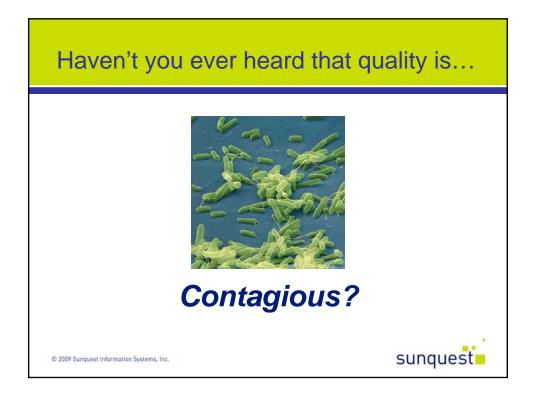


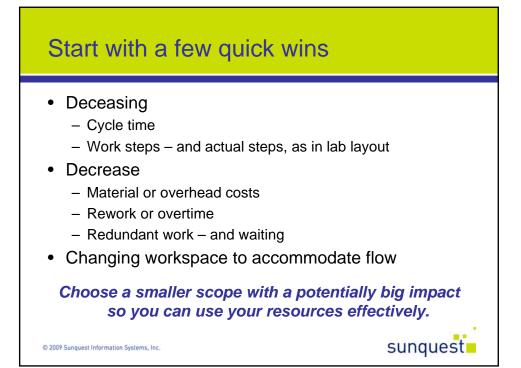


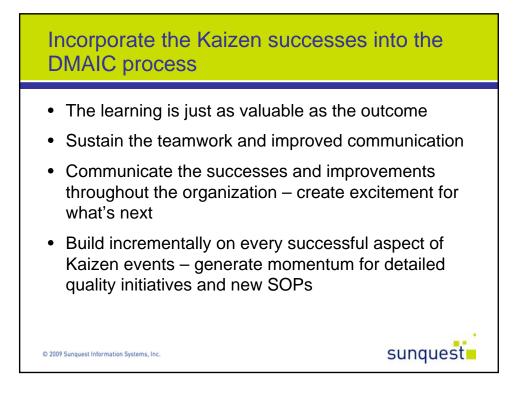


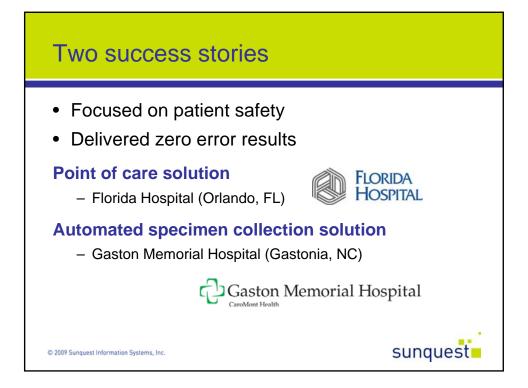


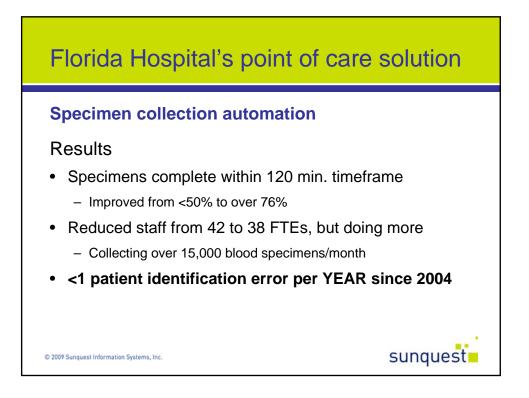






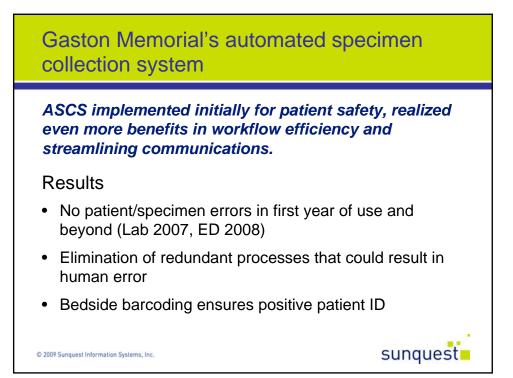
















Process improvement really does = Return on Investment (ROI)

Increase ED capacity by reducing TAT. With Collection Manager the staff in the ED can proactively collect patient specimens in anticipation of these being needed, as the device can be used to scan a wristband and print a set of labels to identify "draw and hold" collections prior to the order being placed in the LIS. Once the order is placed specimens can quickly be sent to the lab, significantly reducing TAT. This reduction in TAT creates added capacity in the ED allowing more patients to be seen per day and thereby driving increased revenues as well.

The sample hospital was able to reduce the LOS per patient in the ED by 10 min. each. Taking advantage of even 10% of the added capacity created by this time savings netted over \$250K in revenue.

"We were able to reduce result turnaround time to the ED by 10 minutes per patient within just 2.5 weeks of going live."

- Director, Emergency Services

Impact on sample hospital: \$263,600 in annual incremental revenue

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