

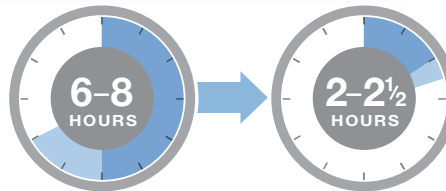
Users of VolparaEnterprise software are experiencing a wide range of benefits in managing their breast imaging practices. VolparaEnterprise analytics help administrators, department leaders, and technologists track key performance indicators (KPIs) in support of quality improvement and compliance programs.

Facilities that have focused on improving their operations have realized both quantitative and qualitative benefits by relying on the consistent, objective data in VolparaEnterprise software.

## Quantitative Benefits Jan.–June, 2017 compared to July–Dec., 2017

### Searching for Cases

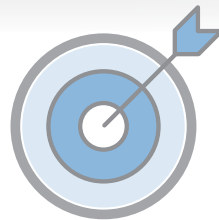
Automatic list generation of candidate studies by breast density, technologist, and mammography machine greatly reduces the manual labor required to fulfill compliance requirements.



60%  
Improvement

### Target Compression

Ensuring mammography compression is within the designated target range is critical for acquiring high-quality images, maximizing clinical performance, and delivering the appropriate dose. Compression also affects patient comfort—a critical factor impacting whether a woman returns for subsequent mammograms.



FROM  
50%  
TO  
60%



20%  
Improvement

### Inadequate Images

Producing high-quality diagnostic images is the responsibility of the technologist, so helping her minimize the number of inadequate images will increase diagnostic accuracy.



7.9% → 5.0%



37%  
Improvement

### Technical Recalls

Poor image quality increases the number of technical recalls, which add cost and expose the patient to additional radiation.



FROM  
1.4%  
TO  
1.2%



14%  
Improvement

### Perfect and Good Images<sup>1</sup>

The percentage of Perfect and Good images reflects high-quality patient positioning by technologists following training.



FROM  
47%  
TO  
50.7%



8%  
Improvement

1. Sarquis-Kolber et al. The Impact of Hands-On Technologist Training in Mammographic Image Quality, Poster Presentation NCBC, 2018

## Qualitative Benefits

### Employee performance

reviews are based on objective data, making feedback more constructive and less personal.

### Automated assessment

enables a type of comparison of performance between machines never before possible. One facility noticed compression performance differences on two types of machines and, as a mitigation, provided additional compression training to technologists using the underperforming systems.

### System performance

between physicist visits is monitored by a broad array of physics-based metrics. A facility in Florida noticed a spike in x-ray dose thicker breasts on one machine compared to others, which led to the discovery that calibration data had been incorrectly entered by the medical physicist.

### Volpara Customer Support,

following an inquiry regarding a machine in Brazil, was able to compare patient dose to similar machines' data stored in VolparaEnterprise databases. This led to the discovery that the machine in Brazil was operating at suboptimal doses, and to selection of the correct dose table.



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