

LiveData OR-Dashboard™: Nurses Give High Marks for Safeguards and Usability

Nurses and surgical technicians consider the OR-Dashboard as highly useful for contributing to patient safety, teamwork, and work performance, according to recent survey results. The survey was conducted at a major teaching hospital, where LiveData OR-Dashboard has been installed in a number of operating rooms on a pilot project basis. Results were culled from a pool of questionnaires completed by 22 nurses and surgical technicians. They were asked to rate various dashboard benefits on a scale of 1-5, with 1 as the most positive. All participants had access to the OR-Dashboard in at least ten surgical cases.

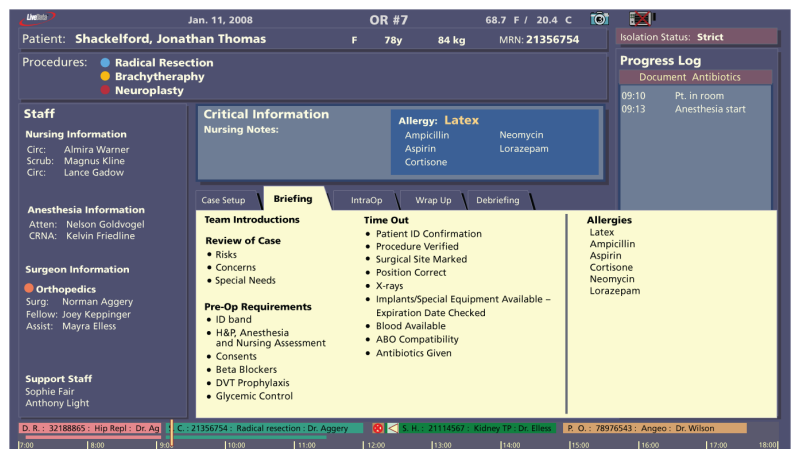
OR-Dashboard Adds Value by Displaying Critical Data to the Entire OR Team

Nurses and surgical technicians place particularly high value on having critical case information publicly displayed in the OR. Mean score on survey items related to displaying patient data was 1.2*, indicating that almost all respondents gave the highest rating possible. Information shown on the OR-Dashboard includes such patient data as first and last name, age, gender, allergies, and continually updated status. Other basic information displayed includes the name of the procedure, names of staff and visitors in the OR, operating room number, and a case progress log.



OR-Dashboard Contributes to Patient Safety / Facilitates Timeout Procedure

Nurses and surgical technicians perceive the OR-Dashboard as an adjunct to patient safety, as indicated by a mean score of 1.47* for this survey item. A primary factor in this perception is the high value nurses and surgical technicians placed on the dashboard features related to the Joint Commission mandated timeout procedure. Survey participants overwhelmingly agreed with the statement that the OR-Dashboard helps them perform the surgical pause. Related dashboard features include display of a timeout checklist just prior to surgery as well as display of patient information for facilitating verification of checklist items.



OR-Dashboard Supports Teamwork

Survey results also indicate that the OR-Dashboard plays a positive role in facilitating teamwork. Nurses and surgical technicians find the display of staff names as highly helpful and conducive to interaction with other clinicians in the OR, particularly new team members. Easy interaction among individuals is widely recognized as a cornerstone for effective teamwork. The mean score for the related survey item was 1.73*.

OR-Dashboard Supports Work Performance

Nurses and surgical technicians responded to the statement “OR-Dashboard makes it easier for me to perform my tasks” with a mean score of 1.94*. Displaying critical data in the OR—such as special equipment needs or patient allergies—significantly streamlines the process of accessing and acting on this information.

OR-Dashboard is Easy to Use

Survey participants consistently gave the OR-Dashboard high usability scores, with related items resulting in a mean score of 1.76* to 1.94*. Reading information on the OR-Dashboard is effortless, according to participants. They strongly agreed that displayed information is clear and easy to locate.



* Indicates a statistically significant value: p<0.01

For the complete report, contact Gabriel Spitz, Sc.D., Director of Human Factors; humanfactors@livedata.com

About LiveData: LiveData is a leading innovator in real-time data integration and display technology. Our solutions gather data from any number of sources, coordinate it with team workflow, and present it as meaningful information on easy-to-read graphic displays. Leading medical institutions, including Massachusetts General Hospital, Memorial Sloan-Kettering Cancer Center, and NewYork-Presbyterian Hospital, have selected LiveData OR-Dashboard to improve patient safety, team communication, and perioperative efficiency. Founded in 1991, LiveData is headquartered in Cambridge, Massachusetts.

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