



software solutions

to improve efficiency and reduce costs
in the peri-operative environment



At a glance - opflo suite

- Aimed at O.R. managers and staff (anesthesiologists, nurses, surgeons)
- Aids in managing a suite of O.R.s and staff
- Integrates data from disparate systems
- Presents real time O.R. resource utilization data in one easy-to-use user interface
- Multiple user configurable status boards and reports
- Automated paging / decision support to improve first case starts / turnover time
- Records staff locations, assignments, and staff in / out times for staffing, billing, and ACGME requirements

opflo suite

flexible solutions for your workflow management needs

Case Study: Brigham and Women's Hospital

Department of Perioperative Nursing, Boston, MA USA

Facility At A Glance ~ Boston's Brigham and Womens Hospital (BWH) is a tertiary care hospital that is a founding member of the Partners Healthcare System and a Harvard Medical School Teaching Hospital. BWH is an internationally-known referral center for the most complex cases in nearly all areas of medicine. In fact, US News and World Report consistently ranks BWH among the nation's top 10 hospitals.

The BWH Department of Perioperative Nursing at BWH is an all-inclusive team of nursing leadership, staff nurses and surgical technologists. The operating room nurses provide dynamic staffing to the 43 OR suites, performing surgeries in over 16 specialties.

Integrating Complicated Staff Scheduling ~ With unending requests for time-off, shift swaps, unexpected open shifts, and fluctuating staff needs based on O.R. volume, schedules are in general out of date the moment they are published. With nursing staff at BWH providing services to over 100 patients daily in 43 O.R. locations there was a strategic need to communicate in real time day of staffing assignments in the O.R. and allow dynamic communication to the nursing schedule at a moment's notice.

BWH already had a "source of truth" staffing and scheduling system for OR Nursing. This system fulfilled the traditional role of scheduling requests and was maintained by a staffing administrator. However, the communication of these assignments were all paper based and were usually broadcast to the nursing staff via a printout.

BWH wished to combine data from the O.R. staffing system and the O.R. case schedule system, and allow for staffing managers to provide real time communications and staffing updates to an electronic display board in a centralized location. The goal was to integrate these two "source of truth" electronic systems into one dynamic tool.

Implementation Results ~ The opflo suite was already in use at BWH by the Dept. of Anesthesiology and was proven to provided significant benefits for staffing efficiency and communication. opStaffing was implemented to meet the needs of the Dept of Perioperative Nursing and significantly increased the communication of the day-to-day staffing in the OR. A 50" LCD display was installed in a central location in the Main OR at BWH. This electronic whiteboard provided the BWH O.R. nursing staff side by side real time access to up-to-date accurate daily assignments and OR case schedule information. Staffing managers were able to monitor and update these "source systems" from their offices and it would broadcast updates in real time to opDisplay.

The Future of opflo at BWH ~ In July 2012, it was widely publicized that Partners HealthCare would partner with Epic, the industry-leading provider of health information technology to develop and implement an integrated, electronic health information system at all institutions across the Partners network by 2017. This initiative, Partners eCare, is the largest program of its kind in the history of Partners HealthCare.

Integration of Epic with the opflo applications was performed successfully prior to Epic go-live and the opflo suite remains a critical tool providing BWH increased efficiency and cost savings.

About opflo

opflo was formed in 2004 in recognition of the need for improved efficiency and cost savings in the peri-operative areas.

opflo has developed a suite of applications that allows peri-operative managers, anesthesiologists, nurses, and surgeons to work more efficiently in a real-time collaborative manner. Operative cases can start quicker with fewer delays, Operating Room downtime can be minimized, and clinician work life improved, all while saving organizations money.

Why opflo suite?

opflo suite is a web based, real-time collaborative dashboard used to easily manage the current state of the Operating Room (O.R.) and Recovery Room (R.R.) areas. Its unique and intuitive interface allows easy visualization of procedures, case status, and patient flow. Its patent pending feature set allows effective management of under-utilized O.R. block time and proactive prevention of patient & case related delays.

Our software integrates data from various systems and allows managers to simplify the daily tasks of managing a suite of O.R.s/R.R.s. Managers can instantly communicate with staff via integrated paging, be alerted of case changes and delays through automated decision support, and be aware of staff call schedules and special requests as they are making staffing changes.

The system also tracks overtime payroll expenses and can be integrated with billing systems. Customized reports, such as on resources used, staff/CRNA times, and resident work hours, are available for post-hoc analysis of areas of improvement.

opflo suite is an extremely affordable solution that can save the hospital O.R. utilization time and money.

System requirements

Client side: Any modern web browser on Microsoft Windows, Apple MacOS, or Linux.

Server side: Compatible J2EE server, PostgreSQL or other SQL compliant database server

Improve operating and recovery room workflow and efficiency

The perioperative areas are high revenue centers for the hospital. Efficient workflow and throughput are required to maximize cost savings and increase revenue. Optimization of these complex and dynamic areas require significant and constant management. A real-time workflow management system aids in monitoring and improving peri-operative workflows.

Visualize your workflow

- View progress of O.R.s and case status
- Immediately identify under-utilized O.R. time
- View staff room assignments, including call and shift assignments to determine who is available

Streamline O.R. management responsibilities

- Universal one-click search of cases, surgeons, staff
- Easily identify available staff
- View data from different sources in one user interface
- Page staff directly from application
- Keep track of staff breaks and requests
- Decision support to keep the O.R. on time / reduce turnover time

Improve staff quality of life

- Immediately know who's on call today and tomorrow, and who stayed late yesterday
- Keep track of staff requests

Reduce costs

- Generate reports to determine if you are meeting your staffing needs
- Determine your fixed and variable staffing costs
- Reduce administrative work of manual entry of staff overtime into billing system

Make your team more efficient

- Keep track of where staff has been and who is free
- Automate room-ready, patient-in pages
- Utilize resources as you need them and know what your capacity is
- All staff can view same information, in real-time



“With ORRMS, we can look back at historical case data to help improve our future staffing efficiency.”

Chairman, Department of Anesthesiology & CMO
Massachusetts Eye and Ear, Boston, MA

“Nursing leadership has easy access to staff assignments from various locations, even outside the O.R.”

Program Director
Peri-Operative Nursing Informatics
Brigham and Womens Hospital, Boston, MA

“The opflo suite of applications has dramatically improved communication surrounding staffing assignments because everyone is looking at one true source. No more conflicting paper assignments.”

Chairman, Department of Anesthesiology,
Salzburger Landeskliniken (SALK), Salzburg, Austria

For more information, visit

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opflo suite

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