

BUSINESS CASE

Wednesday, 23 February 2022

Thank you for the opportunity to discuss Infection Control Surveillance Solutions for your Health facilities.

Hospital Acquired Infections in Australia

An estimated 180,000 Australians per year are impacted by infections associated with healthcare occupying an additional 2 million hospital bed days¹. Health care organisations strive to reduce Healthcare Acquired Infections (HAIs) to improve patient outcomes and reduce related costs, and there are National Standards to adhere to. Coordinated management of infection related activities and evaluation of prevention program outcomes helps reduce HAIs.

Ocean Health Systems

About Us

Ocean Health Systems is an Infection Control Solutions and Clinical data management service provider founded 20 years ago in Australia with a mission of enabling care through the controlled sharing of standardised, meaningful personal health information.

Ocean supports the use of health information standards and has had a long involvement with national and international standards committees.

Our contribution to the development of international standards and our experience in software solutions have resulted in a respected reputation in these communities.

Our major clients include Queensland Health (Australia) with 121 sites, Large Health Service (Canada), Nasjonal IKT HF (Norway), HiGHmed Medical Informatics (Germany), Northern Territory Department of Health (Australia) and Western Sydney Primary Health Network (Australia).



MULTIPRAC Overview

MULTIPRAC draws data from multiple sources internally and external to the health facility: Patient Administration System (PAS), Theatres, Pathology and HR combining it with analytical capability and reporting to help manage infection outbreaks, avoid hospital readmissions, and manage staff health.

- Combined, infection prevention, prediction and control functionality help support organizational compliance with the delivery of safe & quality care.
- **MULTIPRAC** provides infection control management for commonly occurring conditions such as gastroenteritis, influenza, and antibiotic resistant organisms.
- Our infection control experience illustrates that Ocean has a proven Infection Control and Staff Health solution in over 170 hospitals at an enterprise scale where a state-wide implementation provides surveillance over 1.2 million admissions and 1.5 million laboratory results per year.
- **MULTIPRAC** helped reduce Infection Rates by 88%:²
 - Customers significantly reduced HAIs over 6 years
 - Staph aureus bacteremia rate decreased from 1.83 to as low as 0.21 per 10,000 bed days
 - Total saving of \$129,000 for 1 facility.²

MULTIPRAC helps manage this by:

1. Reducing time spent on screening Pathology reports and patient records for Significant Organisms positive results.
2. The addition of a pathology feed in **MULTIPRAC** reduced screening time
3. Production of timely, usable reports for clinicians in everyday practice.

References:

1. <https://www.safetyandquality.gov.au/sites/default/files/migrated/1.2-Healthcare-Associated-Infection.pdf>

2. Figures are based on estimate of a hospital infection costing \$22,000 when combined with an Infection Control and Prevention program



Table 1: Multiprac Features

Product	Multiprac Cloud (NEW)	Multiprac Enterprise V4.3 (on-premises)
Facility Size (Beds)	1-150 beds	>1000 beds or multifacility
Total Users	2	>5
Total Facilities	1	>5
Subscription or Licence	Subscription	Licence
Functionality		
Patient Management Module	Yes	Yes
Activity Management Module	Yes	Yes
Search Module	Yes	Yes
User Management Module	Yes	Yes
Business Rules Notification	With Integration	Yes
Integrations		
PAS	No	Yes
HR	No	Yes
Pathology	No	Yes
Operating Theatre	No	Yes
Reporting		
Analytical reporting	Add-On	Yes
Mobile Application		
Web Service	Add-on	Add on
Support- tech support /yr		



Value Proposition

Multiprac is an evolving innovative solution creating a platform for data assessment and analysis between data sources using a OpenEHR platform. OpenEHR offers interoperability of data with the goal to enhance the quality of data captured. Organisations utilise the data for daily risk mitigation and ultimately to control the cost of infection.

Multiprac is available as an On-premises product, and we have recently developed Multiprac as a Cloud-Based product. The Multiprac Cloud is more suited to a smaller facility (<150 beds). We work closely with Australian Standards but can adapt these to International Standards in all areas of the infection control.

Dependant on bed numbers the Multiprac On-premises (Enterprise) may be the option you explore, as it provides multifacility reporting and will allow for additional users. This also will satisfy the requirements to maintain the Patient records within the country. However, Ocean Health Systems solutions are customised to each client, so we aim to produce a solution that works for you. Our software developers and testers are based with Australia, locally in NSW and our headquarters are on Gold Coast, Queensland.

Pricing will vary according to integration required, and if adjustments are required- so each quotation would require extensive collaboration with our Chief of Operations and Software Development Team, with the Client to determine the extent of their requirements.

