

MULTIPRAC

CLOUD BUSINESS CASE

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.

MULTIPRAC Cloud 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

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



MULTIPRAC Cloud 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.

Table 1 Multiprac Cloud Features and data to be entered from Healthcare Facility

Features	Multiprac Cloud	Comments from HC facility
*Basic Subscription MPIC Cloud	Includes 2 users	#Beds, #Users
Data Collections		Tick which required
Significant organism	Yes	
Blood stream infection	Yes	
Surgical Site	Yes	
Surgical Site prophylaxis	Yes	
Occupational exposure	Yes	
Contact Tracing	Yes	
Outbreak Management	Yes	
Integrations	Add-on price	Tick which required
PAS	Yes	
HR	Yes	
Pathology	Yes	Which Pathology group?
Operating Theatre	Yes	
Reporting	ADR add-on	Detail reports required
Analytical reporting		
Mobile Application (use on Ipad, no connectivity)	Add-on	Required?
Web Service		
Stewardship	On roadmap for development	Required?
Diagnostic	partially	
Antimicrobial (Pharmacy)		

