

# Borderless CS

CYBER SAFE TOGETHER



## Web application & APIs Penetration Testing Customer success story

CLIENT: AHIMSA GLOBAL

CLIENT WEBSITE: <https://www.ahimsa.global/>

SERVICE: Web application and APIs Penetration Testing



Penetration  
Testing



## Customer Success Story

### Ahimsa Global Enhances Security & Reliability with Borderless CS Through Web Application & API Penetration Testing

**Industry:** Digital Health / Healthcare Technology

**Website:** <https://www.ahimsa.global/>

#### Overview

Ahimsa Global is an innovative health technology provider offering digital platforms to streamline clinical workflows, patient preparation, and healthcare operations. Their solutions support improved care delivery and enhanced efficiency for healthcare professionals across Australia.

As part of their commitment to delivering secure, high-quality digital health applications, Ahimsa Global partnered with Borderless CS to conduct a comprehensive **Web Application and API Penetration Testing** engagement. This assessment focused on the **Uro-Prep Web Application**, backend APIs, user authentication flows, and external-facing URLs used by clients and healthcare providers.

The engagement enabled Ahimsa Global to validate the security of its digital healthcare ecosystem, strengthen the protection of sensitive clinical information, and ensure its platform meets industry-aligned security expectations.

#### Objectives

Borderless CS was engaged to achieve the following primary objectives:

1. **Identify and validate vulnerabilities** across the Uro-Prep web platform and backend APIs.
2. **Assess authentication and session management flows** to ensure secure user access.
3. **Evaluate API endpoints** for security risks, data leakage, and access control weaknesses.



4. **Test external-facing URLs** provided by Ahimsa Global for potential exploitation avenues.
5. **Assess user roles, accounts, and business logic** for potential privilege escalation risks.
6. **Deliver a remediation roadmap** aligned with healthcare and OWASP standards.

**Scope:**

### 1. Uro-Prep Web Application Penetration Testing

Borderless CS conducted a full penetration test on the Uro-Prep platform, assessing:

- Authentication & session security
- RBAC (Role-Based Access Control)
- Privilege escalation paths
- Input sanitisation & injection vulnerabilities
- Secure data transmission
- Business logic & workflow integrity
- Enforcement of access boundaries between user types

Testing followed the CREST standard, **OWASP ASVS** and **OWASP Top 10** methodologies.

### 2. Backend API Penetration Testing

APIs that power the Uro-Prep platform and external healthcare workflows underwent rigorous assessment, including:

- Token & session handling
- Authentication & authorisation checks
- Endpoint validation
- Data exposure analysis
- Parameter manipulation & injection checks
- Rate limiting and denial-of-service resilience
- Business logic consistency across API-driven workflows

Testing adhered to **OWASP API Security Top 10** standards.



### 3. External-Facing URLs Review

Borderless CS validated the security posture of externally accessible URLs provided by Ahimsa Global, analysing:

- Input & parameter handling
- Redirection security
- Exposure of internal services
- Misconfiguration risks
- TLS/SSL configuration
- Error handling & response analysis

### 4. User Roles, Accounts & Access Control Testing

Ahimsa Global supplied user accounts covering different roles within the application.

Borderless CS conducted:

- Role privilege testing
- Lateral movement scenarios
- Vertical privilege escalation attempts
- Access boundary validation between staff, clinical, and admin functions

#### Key Outcomes:

##### 1. Strengthened Application & API Security

Critical and high-risk vulnerabilities were identified, validated, and remediated with expert guidance.

##### 2. Enhanced Authentication & Access Controls

Improvements were made to session handling, token management, and privilege boundaries to ensure secure access across all user roles.



### 3. Improved Protection of Sensitive Clinical Data

Security controls were uplifted to better protect workflows involving potentially sensitive health-related information.

### 4. Hardened API Ecosystem

API endpoints now support stronger validation, stricter access controls, and enhanced security configurations.

### 5. Clear Executive Remediation Roadmap

Borderless CS provided a detailed report with prioritised recommendations, supporting Ahimsa Global's continued security maturity.

### Conclusion:

Partnering with **Borderless CS** enabled Ahimsa Global to significantly strengthen its digital security posture across both its web and API ecosystems. The comprehensive penetration testing engagement ensured the **Uro-Prep platform** adheres to healthcare-aligned security best practices, protects sensitive data, and maintains trust with clinicians, patients, and healthcare partners.

This collaboration reaffirms Ahimsa Global's commitment to delivering **secure, reliable, and high-quality digital health solutions** across Australia.