

Phase 9: Reporting, Dashboards & Security Review

1. Introduction:

This phase implements comprehensive reporting and dashboard capabilities for real-time disaster response monitoring, along with a complete security review to ensure data protection and proper access control.


2. Objectives:







- Create operational reports for disaster management
- Build interactive dashboards for command center visibility
- Implement security controls and access reviews
- Establish audit trails for compliance


3. Reports Implementation:

3.1 Active Medical Camps Tabular Report

- Purpose: Track all active medical camps with key operational metrics
- Type: Tabular Report
- Fields: Camp Name, Status, Location, Capacity, Contact Person
- Filter: Status = Active
- Usage: Daily camp operations monitoring.







Disaster Response

Home

Disasters

Medical Camps

Patients

Volunteer Assignments


Resources


Reports

Dashboards

Tasks

Rajesh Kumar | Contact








Report: Medical Camps


Active Medical Camps Tabular

Enable Field Editing









Edit

Total Records
3

Total Capacity
250

	Medical Camp: Medical Camp Name	Status	Location	Capacity
1	Odisha Medical Camp	Active	Odisha	100
2	South medical camp	Active	South	50
3	Marina Beach Medical Camp	Active	Chennai	100
4				250

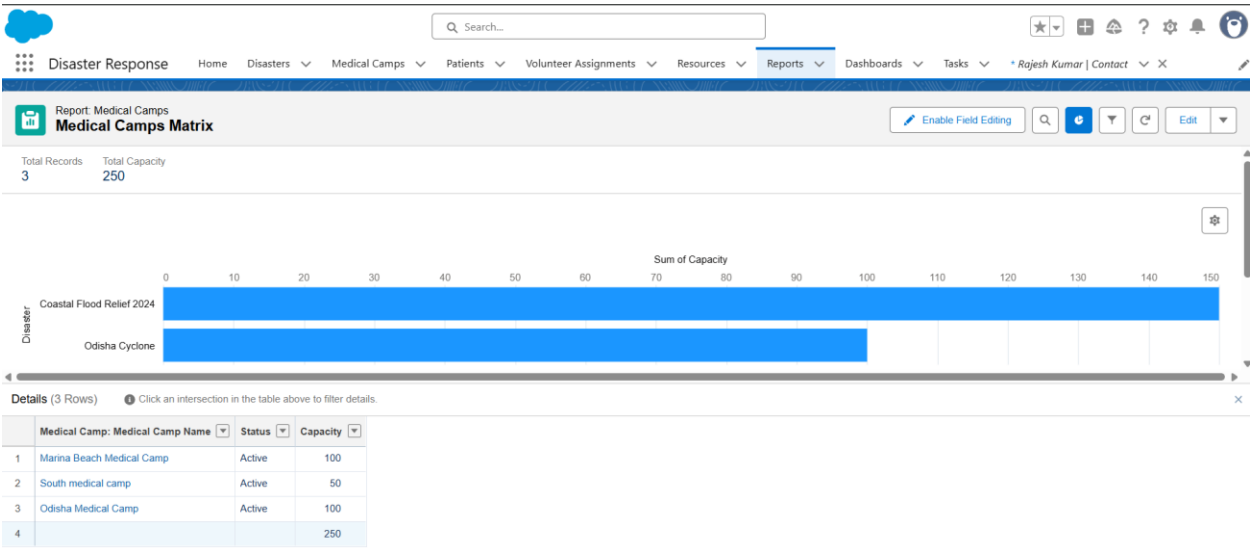
3.2 Medical Camps Matrix Report

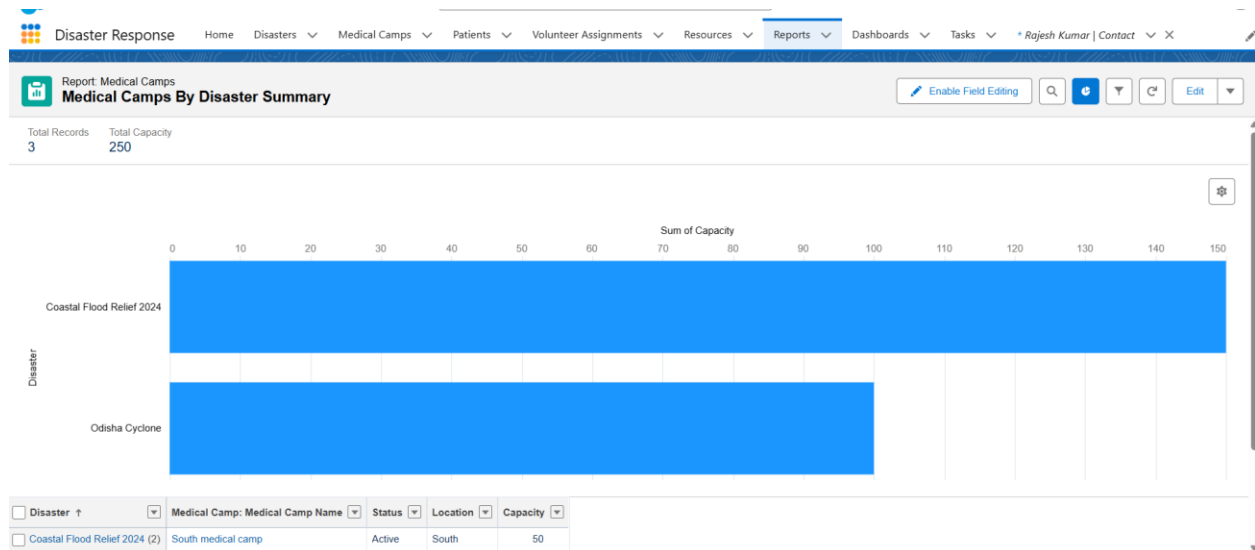
- Purpose: Cross-tab analysis of camps by status and capacity utilization
- Type: Matrix Report

- Rows: Camp Location
- Columns: Status
- Summary: Count of camps, Average capacity
- Usage: Resource allocation planning and capacity management

3.3 Medical Camps by Disaster Summary

- Purpose: Summary view of camp distribution across active disasters
- Type: Summary Report
- Grouping: Disaster Name (primary), Camp Status (secondary)
- Fields: Camp Count, Total Capacity, Average Patients per Camp
- Usage: Disaster-level resource overview and coordination





4. Dashboard Implementation:

4.1 Disaster Response Command Center

Purpose: Executive dashboard for disaster management oversight

Components:

- Active Medical Camps Tabular
- Medical Camps Matrix visualization
- Medical Camps by Disaster Summary
- Patient condition summary
- Volunteer assignment metrics
- Resource inventory levels

4.2 Dashboard Components

Active Medical Camps Tabular:

- Real-time list of all active camps with key metrics
- Quick access to camp details and contact information
- Capacity utilization indicators

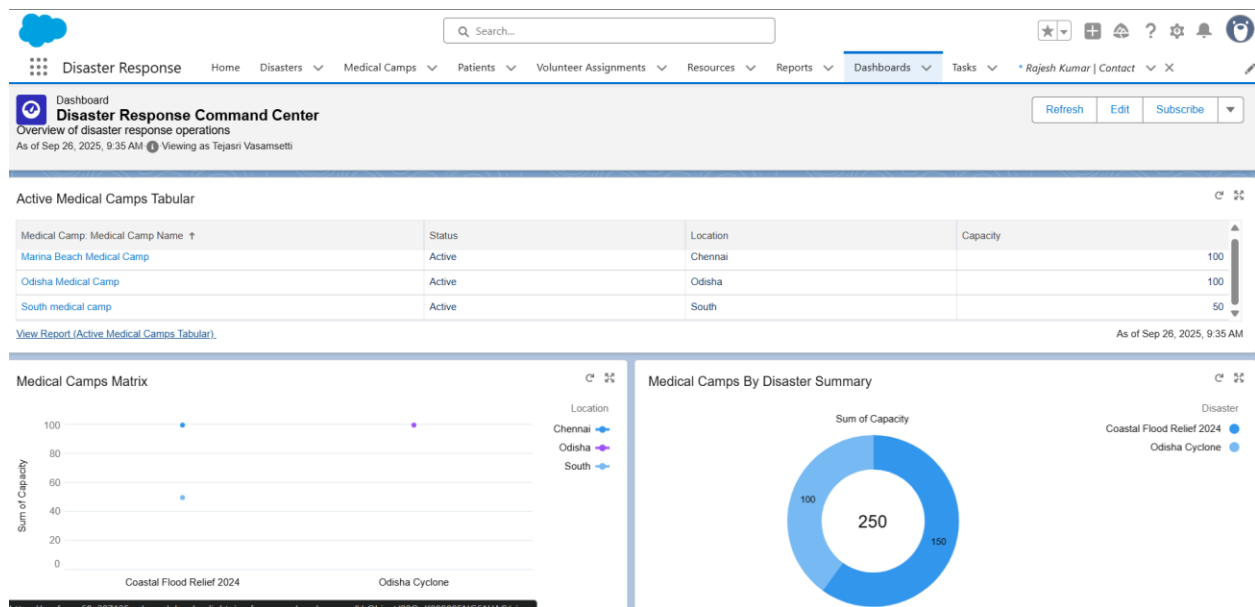
Medical Camps Matrix:

- Visual cross-tab analysis of camp status distribution

- Geographic and capacity overview at a glance
- Trend identification for resource deployment

Medical Camps by Disaster Summary:

- Disaster-level camp allocation overview
- Capacity planning across multiple disaster events
- Resource distribution analysis



5. Security Review & Implementation

5.1 Profile-Based Access Control

- Disaster Manager Profile: Full access to all data and reports
- Field Coordinator Profile: Camp-level access with editing capabilities
- Medical Volunteer Profile: Read-only access to assigned camp data

5.2 Field-Level Security

- Critical Fields: Patient medical data restricted to medical staff
- Operational Fields: Camp details visible to coordinators and managers
- Administrative Fields: System metadata hidden from field users

5.3 Sharing Rules & Data Visibility

- Role Hierarchy: Data cascading from Command Center to Field Operations
- Sharing Rules: Cross-profile data sharing for collaboration
- Public Groups: Team-based access for disaster response units

6. Audit & Compliance

6.1 Login Security

- IP Restrictions: Organization-wide login IP range limitations
- Session Settings: Timeout policies for security compliance
- Password Policies: Enhanced password requirements for system access

6.2 Audit Trail Setup

- Audit Trail: Configuration change monitoring
- Login History: User access tracking and monitoring
- Field History: Critical field change tracking for compliance

7. Testing & Validation

7.1 Report Validation

- Data Accuracy: Verified report outputs against actual records
- Performance: Optimized reports for large dataset handling
- User Acceptance: Field testing with actual user profiles

7.2 Security Testing

- Access Validation: Profile-based access testing across roles
- Data Isolation: Verification of data visibility restrictions
- Compliance Check: Security setting validation against standards.