



Application for 2018 University of California Larry L. Sautter Award  
for Innovation in Information Technology

Project Title                      **Employer's First Report  
Dashboard**

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The Problem

Released in April 2014, Employer's First Report (EFR) is a web-based solution that efficiently manages the injury reporting process from beginning to end. EFR essentially streamlined and automated the OSHA 5020 form. Employees can quickly submit their injury reports online. Claim administrators and

supervisors are able to manage reports, track initial causes of injuries and verify that corrective actions have been taken to reduce the likelihood of repeat injuries. Claims are automatically transmitted to Sedgwick Claims Management Services' iVos reporting system, ensuring that the University of California is in compliance with OSHA's stringent work-related injury reporting requirements. While EFR provided an excellent solution to the need for employee injury reporting, it was not originally in the scope of the project to provide trend reporting, manipulation of data or analysis of work-related injuries for the workers' compensation managers.

### The Solution

The EFR Dashboard pulls information from EFR to provide an overall view of data related to injuries. Department heads, Risk Management professionals and others can quickly view a variety of information on their campus, including number of injury reports, reports by department or building, by employee type and by type of medical treatment.

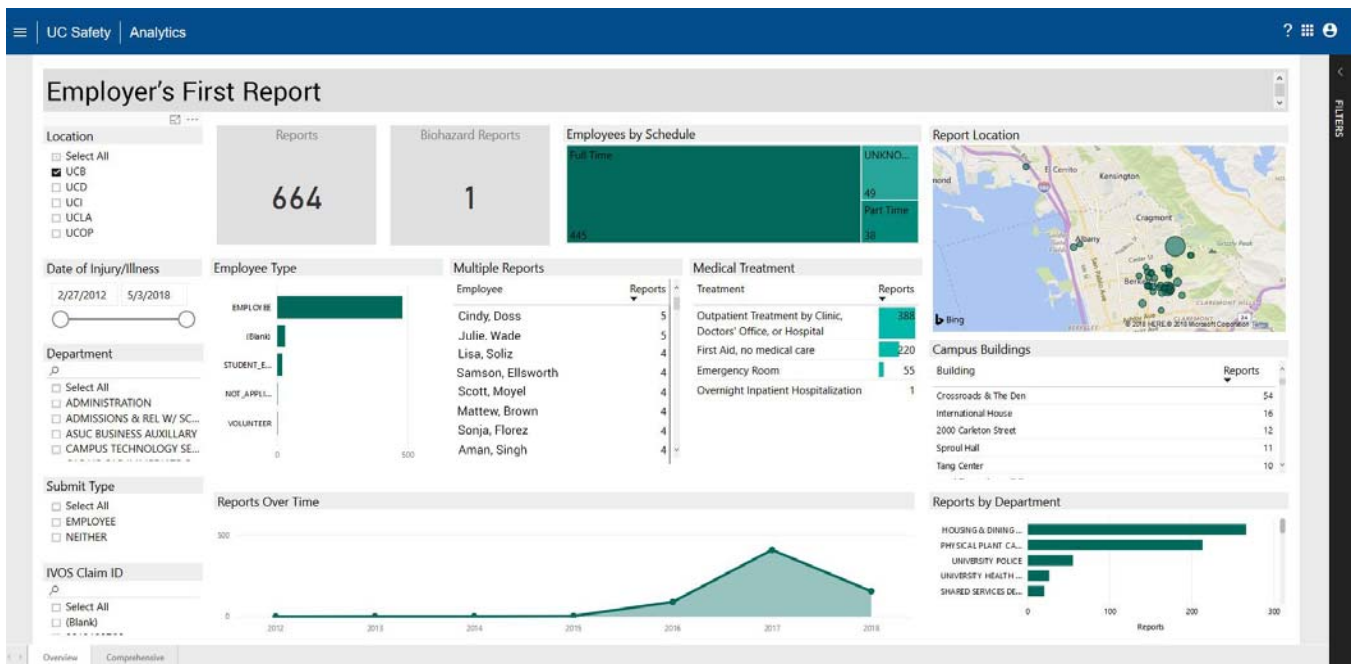


Figure 1: EFR Dashboard Overview tab

Drilling down further, users can filter the data in a wide range of categories, such as claim cause, contributing factors or by specific claim number or employee. All of this information can be exported into Excel spreadsheets.

The result is that leadership can then make more informed decisions about where to invest efforts into injury prevention.

The medical treatment portion, for example, includes documentation of occurrences when first aid was given, but can be key in preventing possibly more serious injuries in the future.

Development on the EFR Dashboard began in March 2018. Like all Risk and Safety Solutions' systems, the dashboard will be refined and new features or filters may be added based on user feedback.

Currently seven UC campuses are using the EFR Dashboard. The five medical centers have expressed interest in adopting the EFR application and dashboard soon.

### Technology Used

The front end of EFR was built with JSP, jQuery, CSS and JavaScript on the front end. EFR's backend was written with Java, Spring Framework, Tomcat, Maven and Hibernate with an MS SQL as the database.

The dashboard was developed using Power BI, the leading self-service Business Intelligence platform from Microsoft.