

SQL Server Reporting Services: Solution for Higher Scalability Report Template

create immunization compliant status report for UW Campus Health Services (CHS) employees

SITUATION

Campus Health Services

UW Campus Health Services has been strictly following the health care procedure and regulations to make sure the patients are best taken care of. One of the most important issues is to provide immunization services to employees and students who have a requirement to meet "healthcare worker." They are using a vendor software called Occupational Health Manager(OHM) to generate reports and supervise the health situation of employees.

Problem

- OHM is a fixed format reports. The contents and layouts can't be revised.
- OHM can't be subscribed. Customers need to generate reports periodically by themselves.
- OHM needs half an hour to generate reports. It is very time consuming.
- Vendor software need extra cost for license.

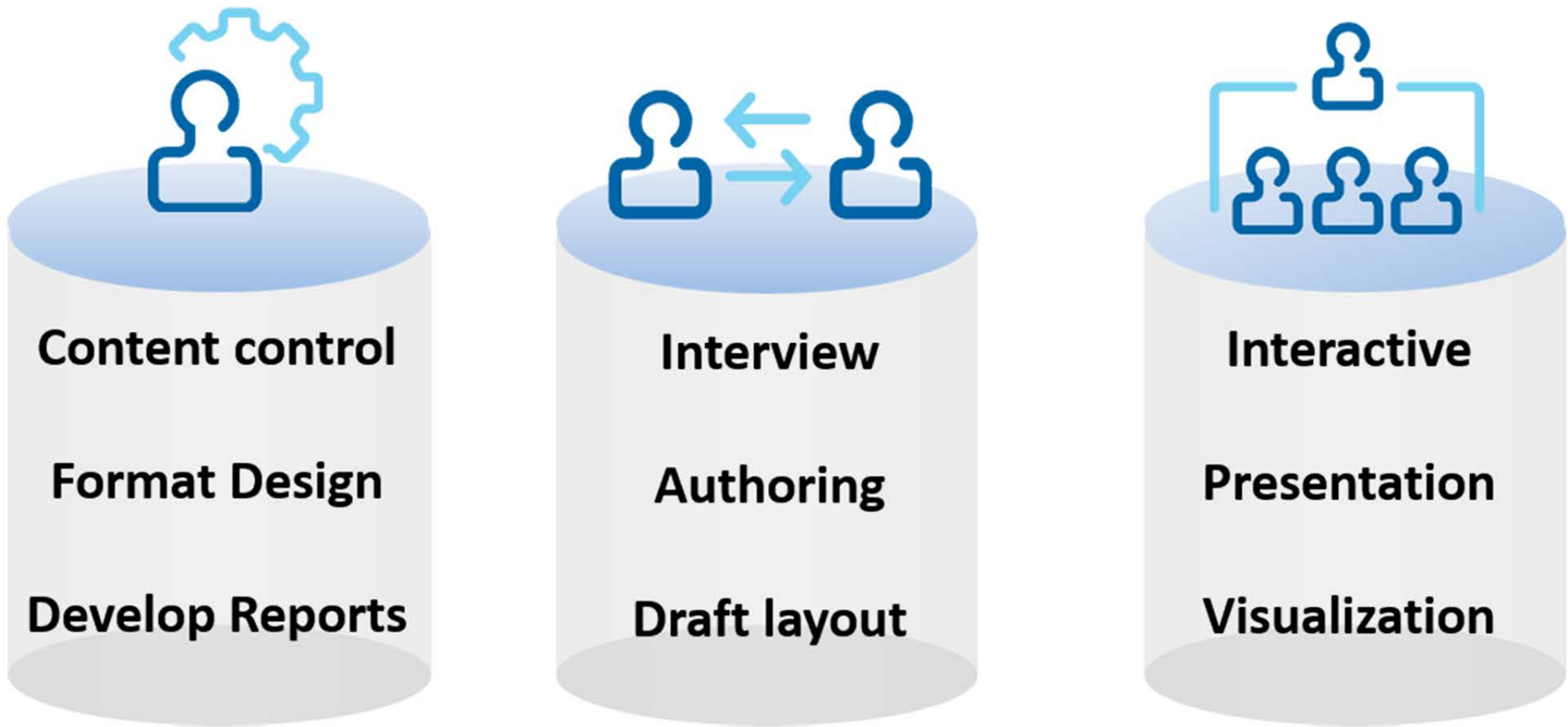
Process

- Interview** Harborview Medical Center, UW Hall Health Center, UW Medical Center Employee Health Center
- Analysis** Customers' requirements
Campus Health Services database
- Design** Immunization report functions, feature and layout
- Development** Construct SQL statements
Embed codes into report layout
- Guidance** Come up with standardized work flow
Create guideline for generating reports

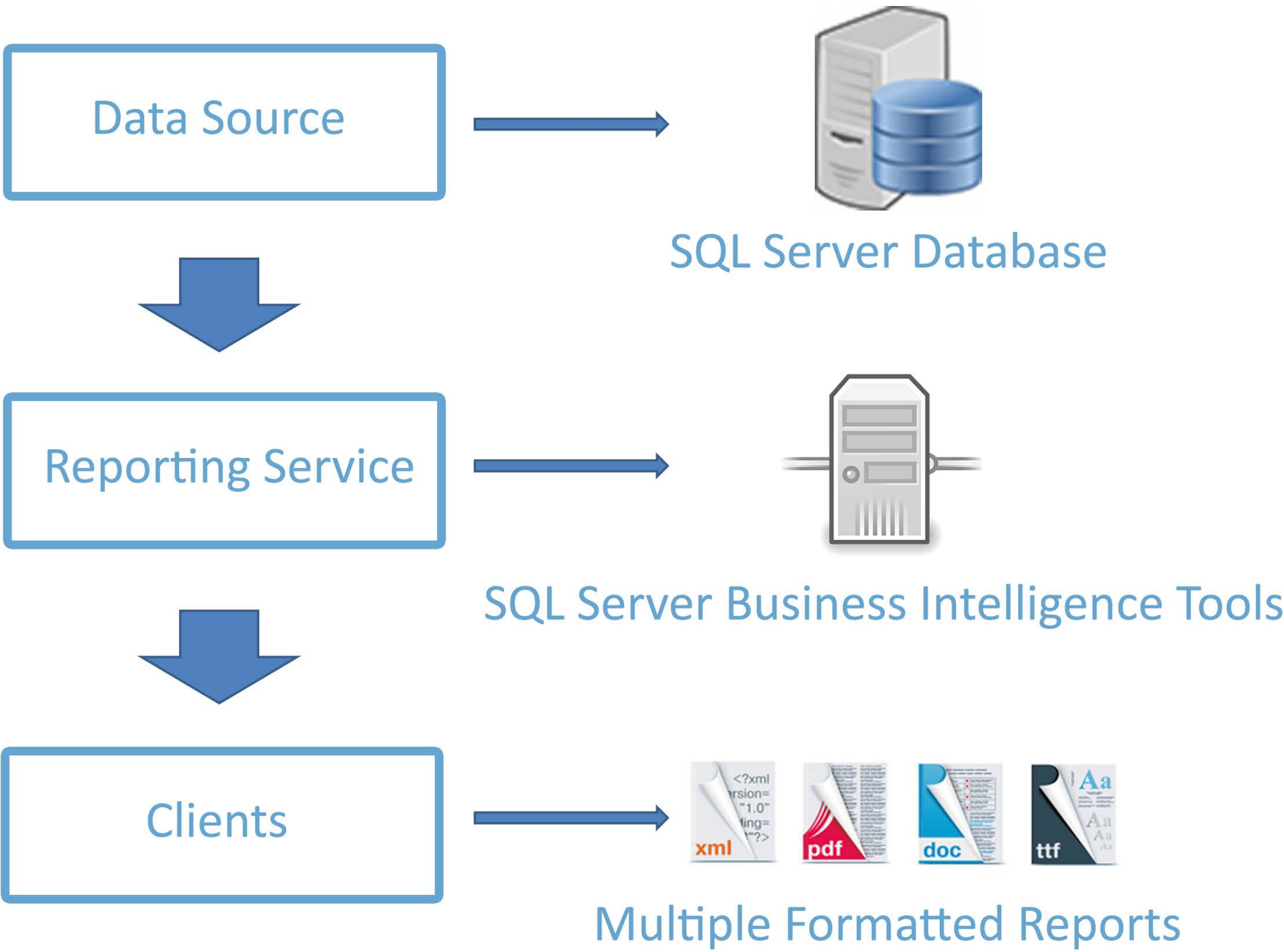
SOLUTION

SQL Sever Report Services

SSRS is one of the Business Intelligence tools from Microsoft. It offers several tools for authoring and deploying reports on a report server running in native mode. Reports are defined in Report Definition Language.



Methods & Tools



RESULTS

Impact

Save Time

SSRS is capable of generating mass number of similar reports in only a few seconds

Allow Customization & Subscription

Based on users requirement, SSRS allows end users to customized reports by passing different parameters to the reporting tool. It also supports periodic report subscription

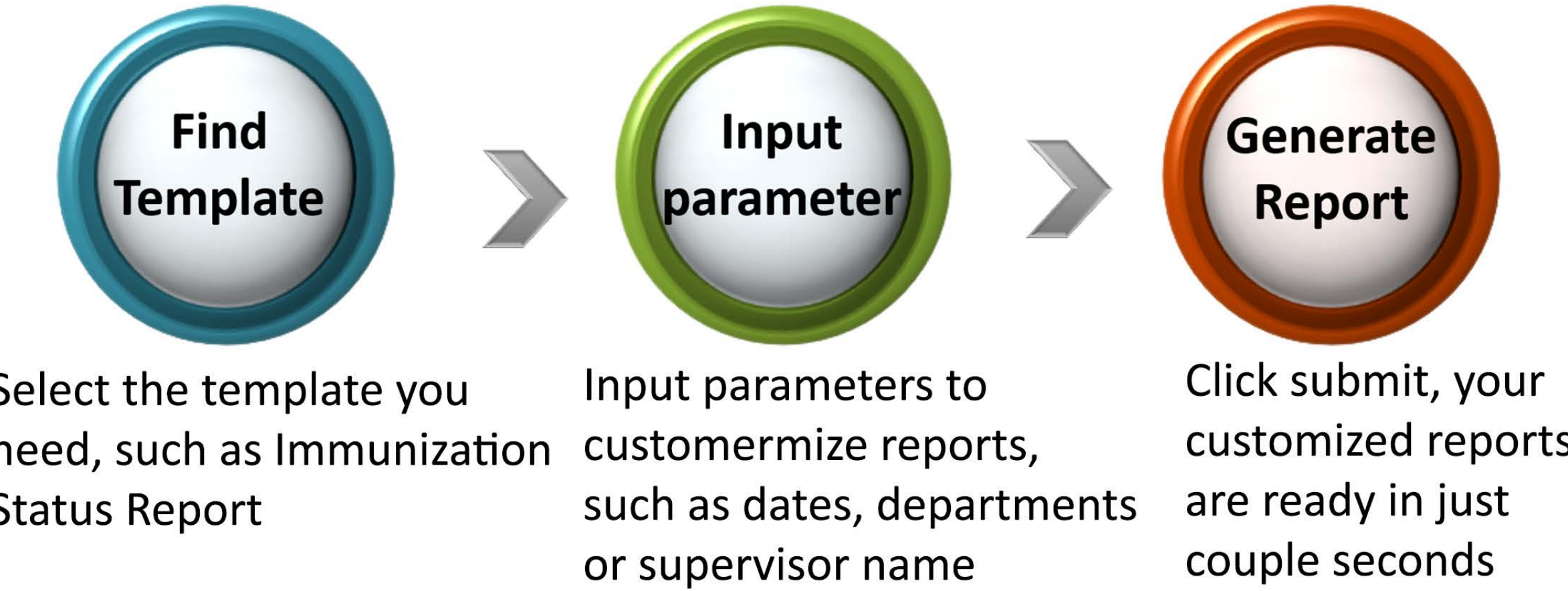
More User Friendly

End users are not involved in any report formatting and content editing, which reduces human errors

Sample Report

Immunization Detail Report										
Supervisor Name	Flu Compliant Rate	Flu Compliant Rate	TB Compliant Rate	Employee First Name	Employee Last Name	Department	Flu Compliant	Flu Compliant	TB Compliant	
	100%	0%	100%			UW/MC PHARMACY	YES	NO	YES	
						UW/MC PHARMACY	YES	NO	YES	
	66%	0%	33%			HOSPITAL SECURITY	YES	NO	YES	
						HOSPITAL SECURITY	NO	NO	NO	
						HOSPITAL SECURITY	YES	NO	NO	
	75%	100%	50%			UW/MC	YES	YES	NO	
						UW/MC	YES	YES	YES	
						UW/MC	YES	YES	YES	
						UW/MC	NO	YES	YES	

Report Generation Steps



Sponsor: Anish Abraham Padath

Team: Kunna Zhu kunnazhu@uw.edu
Ethan Tsao yushen@uw.edu
Zheng Li reaganli@uw.edu