Keystream
ANALYTICS

COMMUNITY DENTAL SERVICES

CDS
www.communitydentalservices.co.uk

Driving enhanced patient care and operational performance through the power of data and simplified reporting.

CASE STUDY

Overview

Driven by the NHS and internal desire to improve patient care, CDS reviewed their existing process and realised they were working in silos. This was resulting in inefficiencies, leading to sub-optimal decision making and resource allocation. To improve, they wanted to partner with a healthcare data and analytics specialist that would help provide solutions for the current bottlenecks, and implement new process and structure to help achieve the desired outcome.

Objectives

CDS partnered with Keystream to deliver a robust data and analytics solution that would combine and simplify data from the many sources within the organisation and provide:

1 Access to informative and intuitive reports

2 Analytical capabilities with a new Business Intelligence (BI) solution.

3 Increased internal knowledge of their systems and data.

PROJECT TEAM

Lead Business Intelligence Consultant

Business Intelligence Developer

Data & Systems Analyst

Solution

After establishing the multiple data sources and their roles, Keystream proposed the following solution to deliver an intelligence led, data warehousing and reporting solution.

Data Infrastructure
Using Microsoft SSAS, Keystream developed a multidimensional solution by integrating data sources, building a central data repository, and ultimately adding new dimensions to the data to create intelligence led, simplified analytics.

Self-Service Portal
Using Microsoft Azure, a scalable cloud-based environment, Keystream developed an easy to use, self-service portal for CDS that helped create simple and visual end-user reports via Power BI.

BI Service
By working with the internal departments at CDS, CCGs, and partner organisations, Keystream was able to establish reporting mechanisms to create a sustainable BI solution.

Training
To ensure the new data warehousing and self-service analytics solution worked for CDS, Keystream trainer the CDS teams in using OLAP cubes, SSAS, SSIS, Azure, dimensional modelling, and star schema.

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Outcome

The project was completed under 7 months and achieved the following:

- Streamlined processes for data warehouse maintenance and updates.
- Efficient report generation.
- Improved understanding and increased proficieny amongst the CDS teams.
- Organisational capability to take confident, data-driven decisions

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> **CDS has had a positive experience working with Keystream Analytics and would recommend them to other organizations. They appreciated the team's expertise in data management, their understanding of the healthcare sector, and their commitment to achieving tangible results. CDS COO & Clinical Director were very impressed with all the hard work, so thank you to everyone involved from Keystream."**

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