DISER Summary

Diabetes Infrastructure for Surveillance, Evaluation, and Research
Diabetes, Obesity & Nutrition SCN
www.ahs.ca/diser

The Opportunity

Diabetes is a chronic illness affecting 305,000 Albertans and impacting hundreds of thousands more. Diabetes care often requires multi-disciplinary healthcare teams and diabetes is estimated to cost Albertans $1.5B/year. Diabetes is on the rise in Alberta, increasing 60 per cent since the year 2000.

To improve diabetes care in Alberta, data is critical, but healthcare data in Alberta is stored in multiple databases in multiple organizations. This fragmented data foundation greatly delays and limits the depth of diabetes related quality improvement and research projects, making it harder to improve diabetes care in Alberta.

The Solution

The Diabetes Infrastructure for Surveillance, Evaluation, and Research (DISER) has joined several critical healthcare databases and combined them with a mechanism for patient self-reported data.

DISER provides an innovative platform to springboard improvement in diabetes care in Alberta. It enables projects to access multiple databases in one source, perform complex analyses faster than before, and perform public surveillance with up to date, province-wide, data.

DISER's ability to facilitate surveys enables it to capture self-reported patient outcomes; adding "self-care" data to its foundation of "healthcare" data. This enables a clearer and fuller picture of diabetes in Alberta. It also promotes DISER's ability to augment external datasets from other projects. DISER's "healthcare" and "self-care" data can be combined with other datasets, enabling more advanced and detailed analyses across the province.

The Future

Building on DISER's success, future plans include improving DISER's capacity though adding additional datasets, or using the "DISER Model" for other chronic diseases. Using DISER, it is possible to dig deeper with more data and improve diabetes in Alberta.

Alberta Health Services
Diabetes, Obesity
& Nutrition Strategic
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