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### Projected health care savings related to vitamin D sufficiency

HB 227 Section 3 page 2 - 4

*From: An estimate of the economic burden and premature deaths due to vitamin D deficiency in Canada- Grant et al., 2010, Molecular Nutrition & Food Research*

In 2005, the estimated total economic burden of disease was \$200 billion plus \$10 billion for dental care.

The estimated reduction in economic burden through higher serum 25(OH)D levels was 6.9% or **\$14.4 billion**.

The 2006 estimated population of Canada was 32.6 million. This means an **annual savings of \$442 per person**

*From: The estimated benefits of vitamin D for Germany – A. Zittermann, 2010, Molecular Nutrition & Food Research*

The total estimated annual cost savings in Germany from improved vitamin D levels was **€37.5 billion**.

The population of Germany during this study was 82 million.

That is an average **annual saving of €457 per person**.

According to ISER, Alaska spent over \$412 million dollars on Medicaid in 2010.

A 6.9% reduction in economic burden would mean nearly **\$28.5 million** in annual savings, merely by raising the vitamin D status of Medicaid recipients. In 2010 the Alaska Medicaid recipient population was approximately 125,000. That is an **annual savings of \$228 per Medicaid recipient**.