## Trends in the Burden of Ischemic Heart Disease Among Patients with Chronic Kidney Disease in Alberta



## **Methods**



Retrospective cohort from the Alberta Kidney Disease Network



Adults with CKD diagnosed with IHD 2003-2019.



CKD → standard methods.

IHD, STEMI, and NSTEMI →

ICD-10 codes



Trends in adjusted prevalence and incidence of IHD were assessed



**3,419,812** individuals



43.8% female



Mean age **57.1** years



**91.3%** had eGFR ≥60 ml/min/m2 **8.3%** had eGFR 30-59 ml/min/m2

## Results



Patients with eGFR 45-59 ml/min/m² had higher prevalence of IHD, compared to patients with eGFR ≥60 ml/min/m² (annual rate of change of 0.86)



## Decreasing incidence of IHD across all eGFR from 2003 to 2019



**STEMI:** except for eGFR 45-59 ml/min/m2 (IRR 0.93, 95% CI: 0.87-1.00)

**NSTEMI:** except for eGFR <15 ml/min/m2 (IRR 0.96, 95% CI: 0.91-1.02)

M. Cooper, S. Tungsanga et al VA by Nihal Bashir MD, MRCP @Nihal Hamary **Conclusion**: A higher prevalence of IHD across all stages of CKD and a lower incidence of acute IHD forms between 2003 – 2019, results attributed to improved longevity and advancement of care in Alberta

