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*Challenges and Opportunities for Using Administrative Health Data to Improve Chronic Disease Case Ascertainment*

Administrative data plays an important role in population health research and disease surveillance, especially in case ascertainment. These data are often readily available, cost-effective and typically encompass large populations. However, gaps in clinical information including physician billing practices and coding can compromise the ability to ascertain valid chronic disease cases; this can affect accuracy and completeness of data. This presentation uses various methods including ratio estimation and capture-recapture to adjust for data incompleteness in estimating diabetes incidence and prevalence in Newfoundland and Labrador. This research will show how these methods can aid in improving case ascertainment from incomplete data.