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Use of Health and Social Services by Children and Youths with FASD

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UNIVERSITY
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Research Team & Funding

- Ana Hanlon-Dearman, Ab Chudley & Sally Longstaffe – Manitoba FASD Centre
- Noralou Roos, Leonard MacWilliam and Lauren Yallop, Manitoba Centre for Health Policy
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Fetal Alcohol Spectrum Disorder

- FASD - umbrella term comprising the range of effects associated with all levels of prenatal exposure to alcohol
- effects can include facial abnormalities, growth restriction, neurodevelopmental dysfunction, intellectual disabilities and behavioural, emotional and social difficulties
- secondary disabilities common - depression, anxiety, substance abuse and premature death
- Often experience poor social outcomes including judicial system involvement and educational failure.

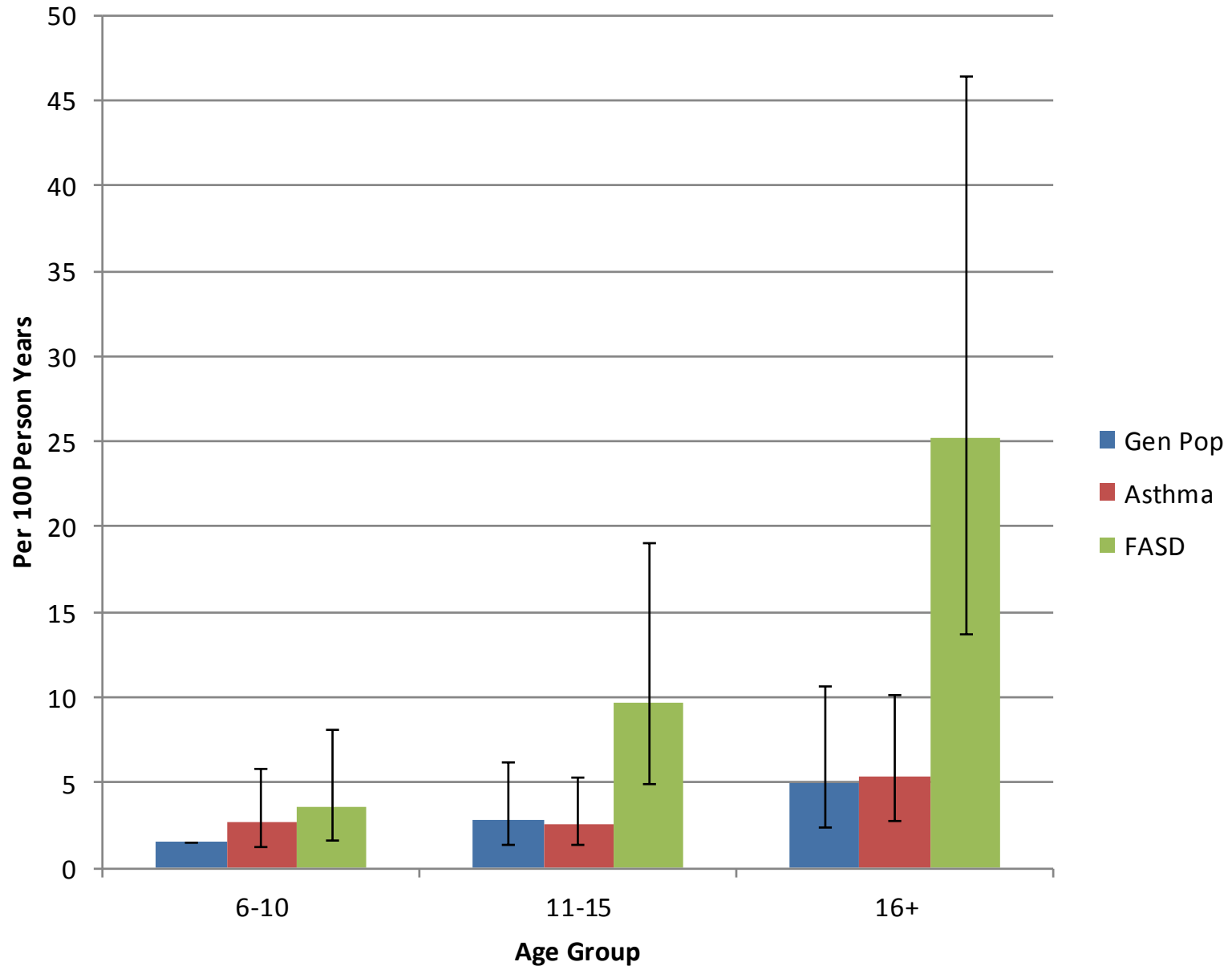
Objective

- Describe the burden of service use for children and youths with FASD, by examining their health, education and social service utilization

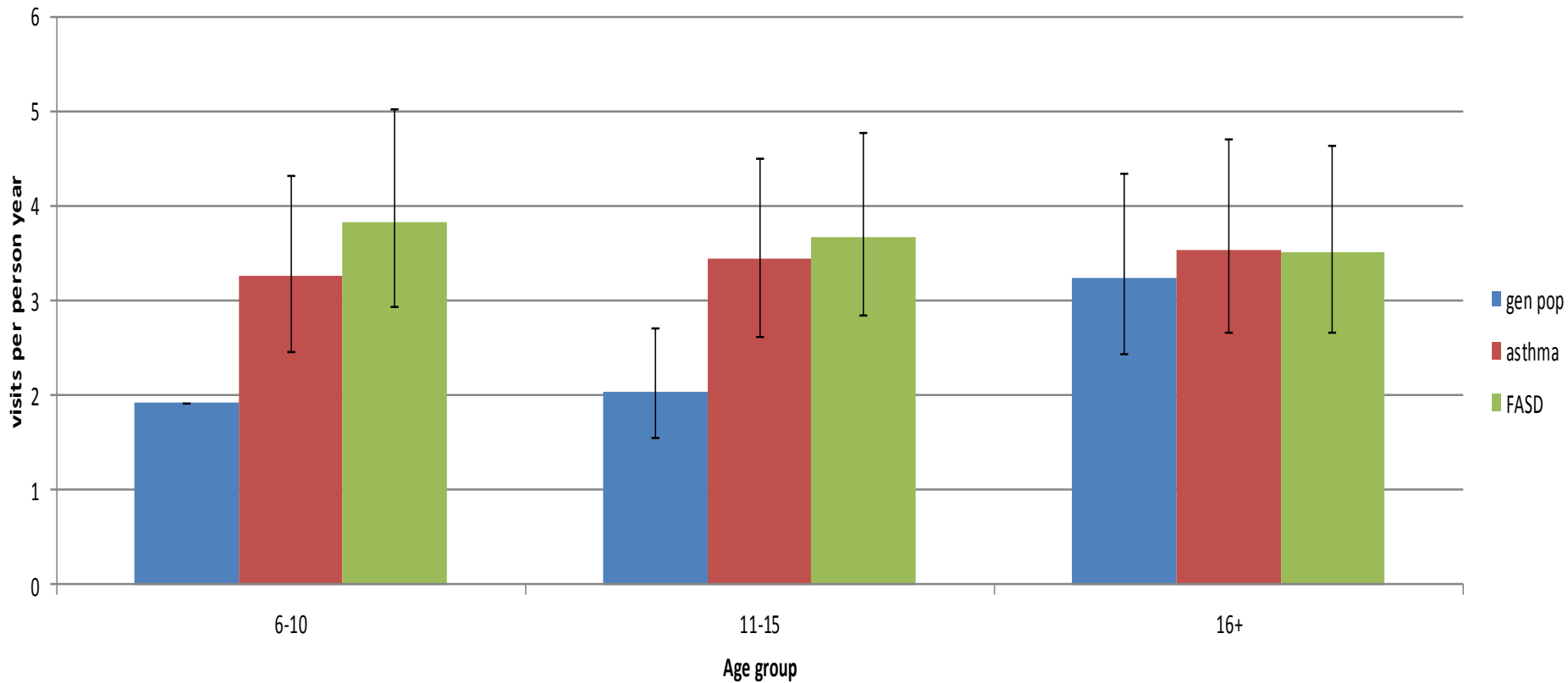
Methods

- Linked together health, education and social service utilization data held in the data repository at the Manitoba Centre for Health Policy with assessment data from the Manitoba FASD Centre
- 717 Manitobans 6+ years had FASD diagnosis
 - 6-10 (239); 11-15 (247); 16+ (231)
- Matched cohort design – matched 2:1 on age, sex, area-income, with:
 - asthma
 - general population
- Adjusted rates, relative risks calculated using GLM

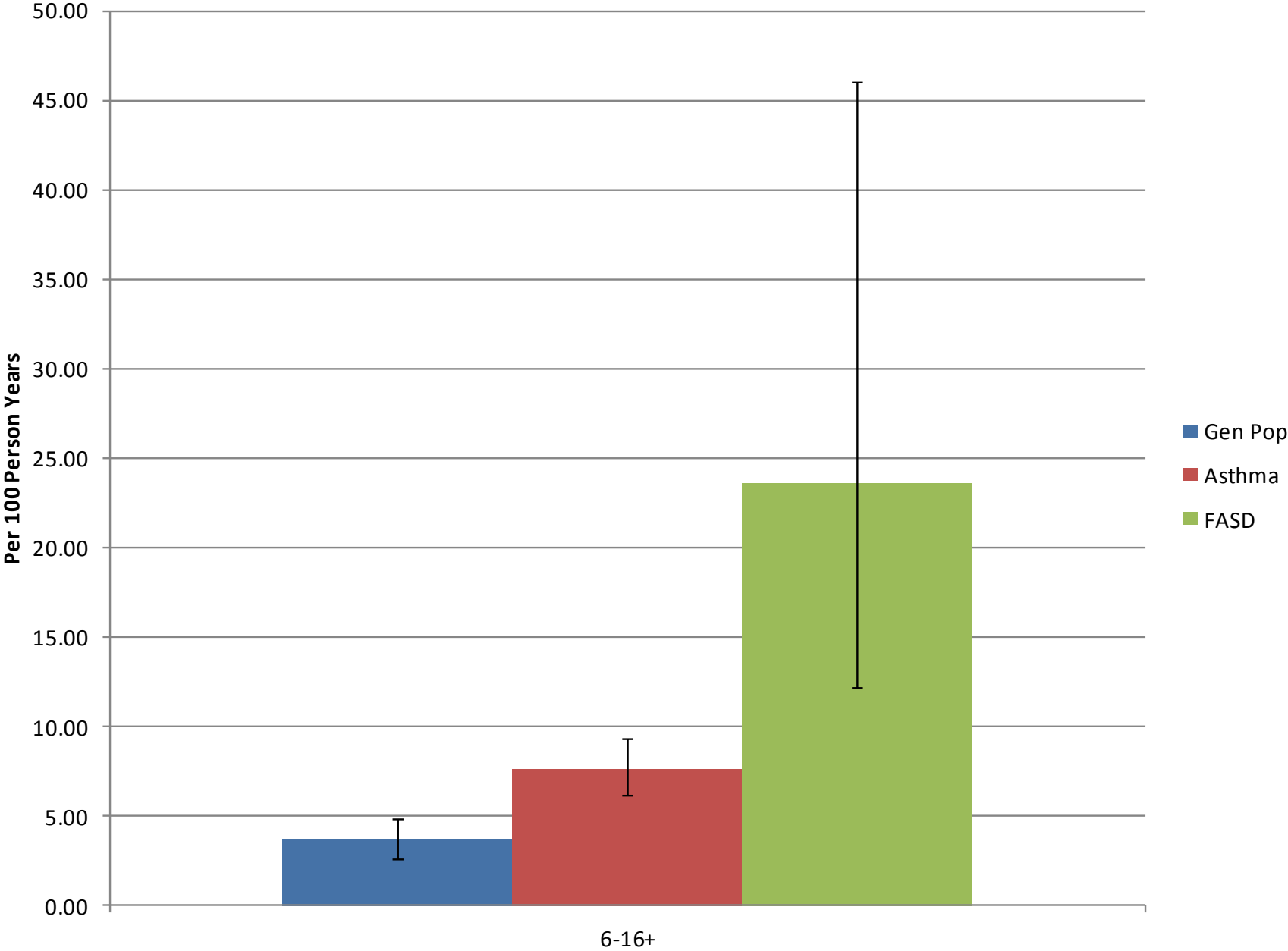
Adjusted Rates for All Hospitalizations by Age and Study Group



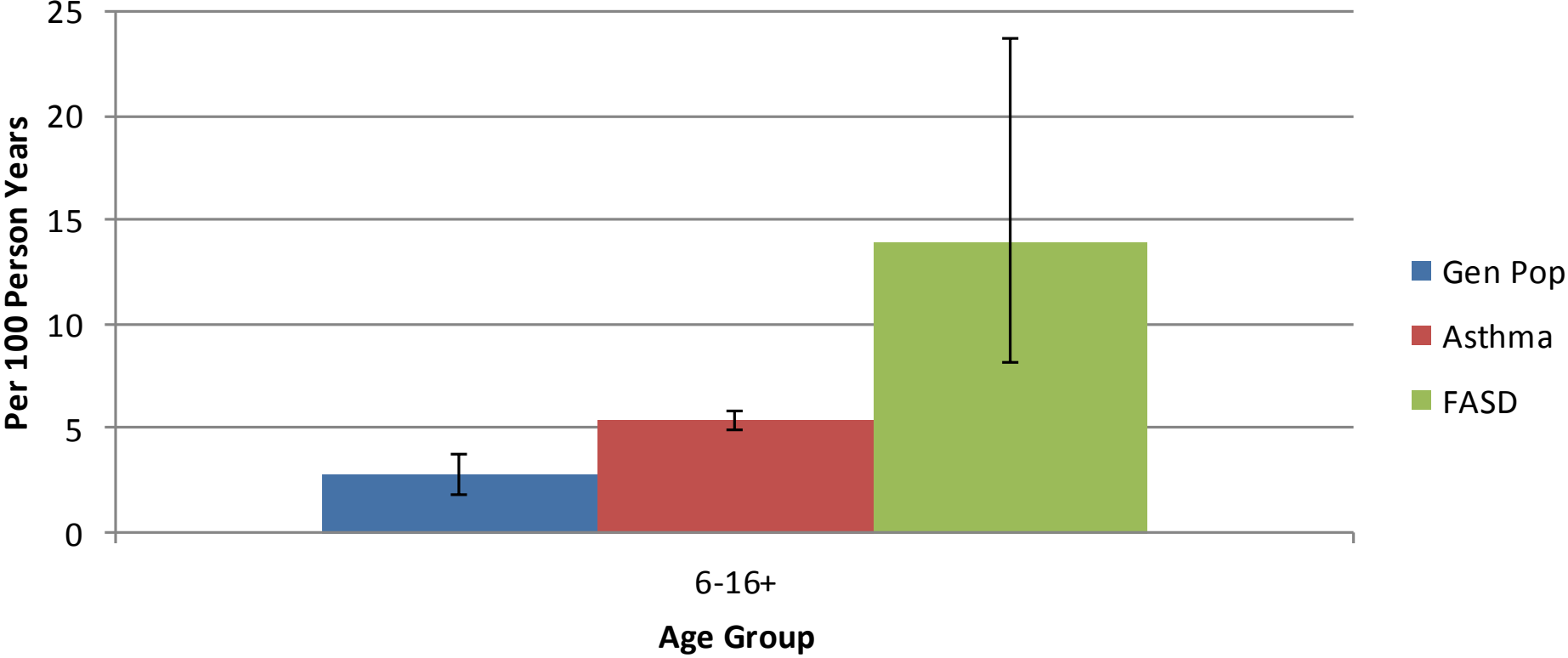
Adjusted Physician Visits Per Person Year, by Age and Study Group



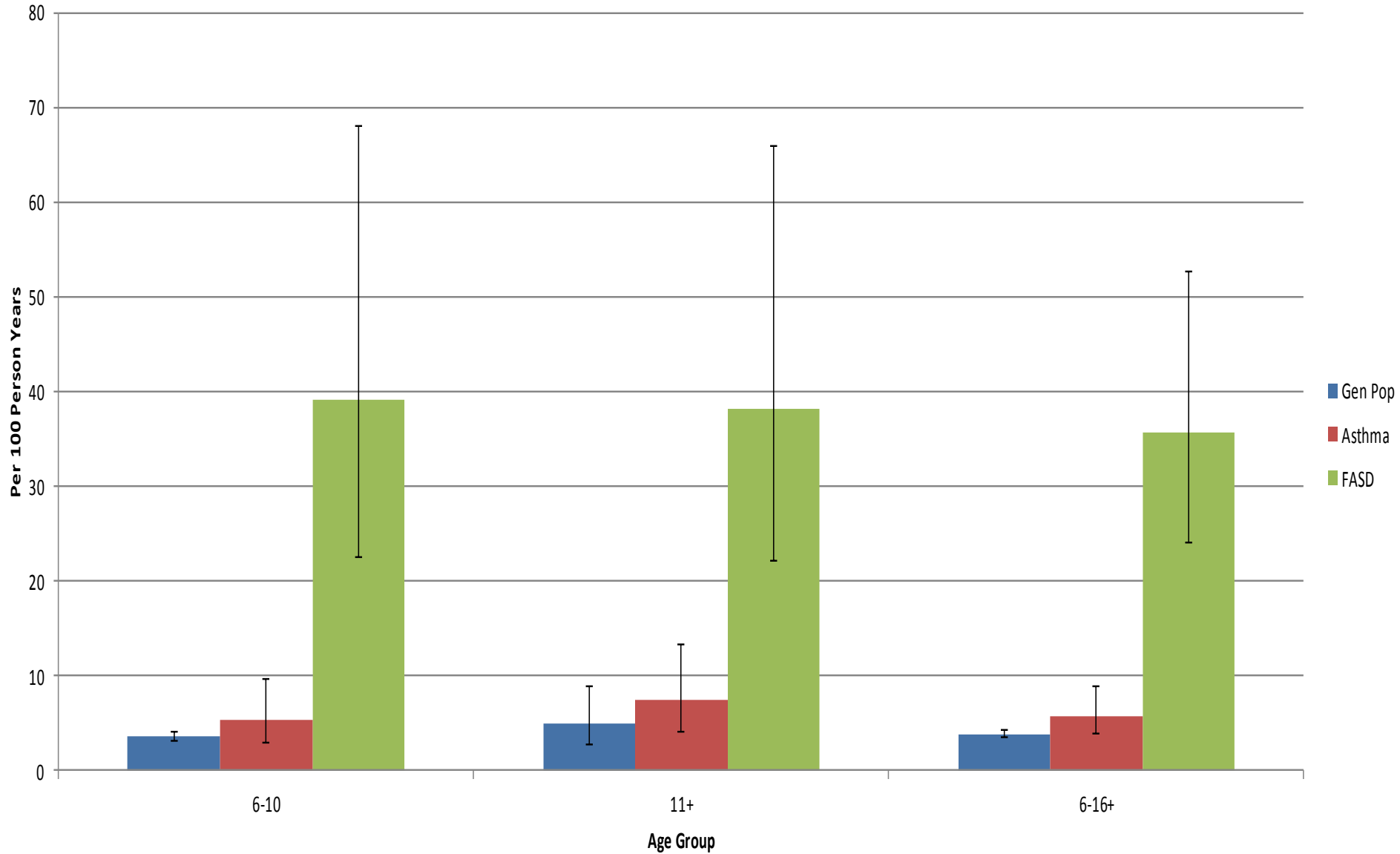
Adjusted Rates for ADHD by Study Group, Age 6-16+



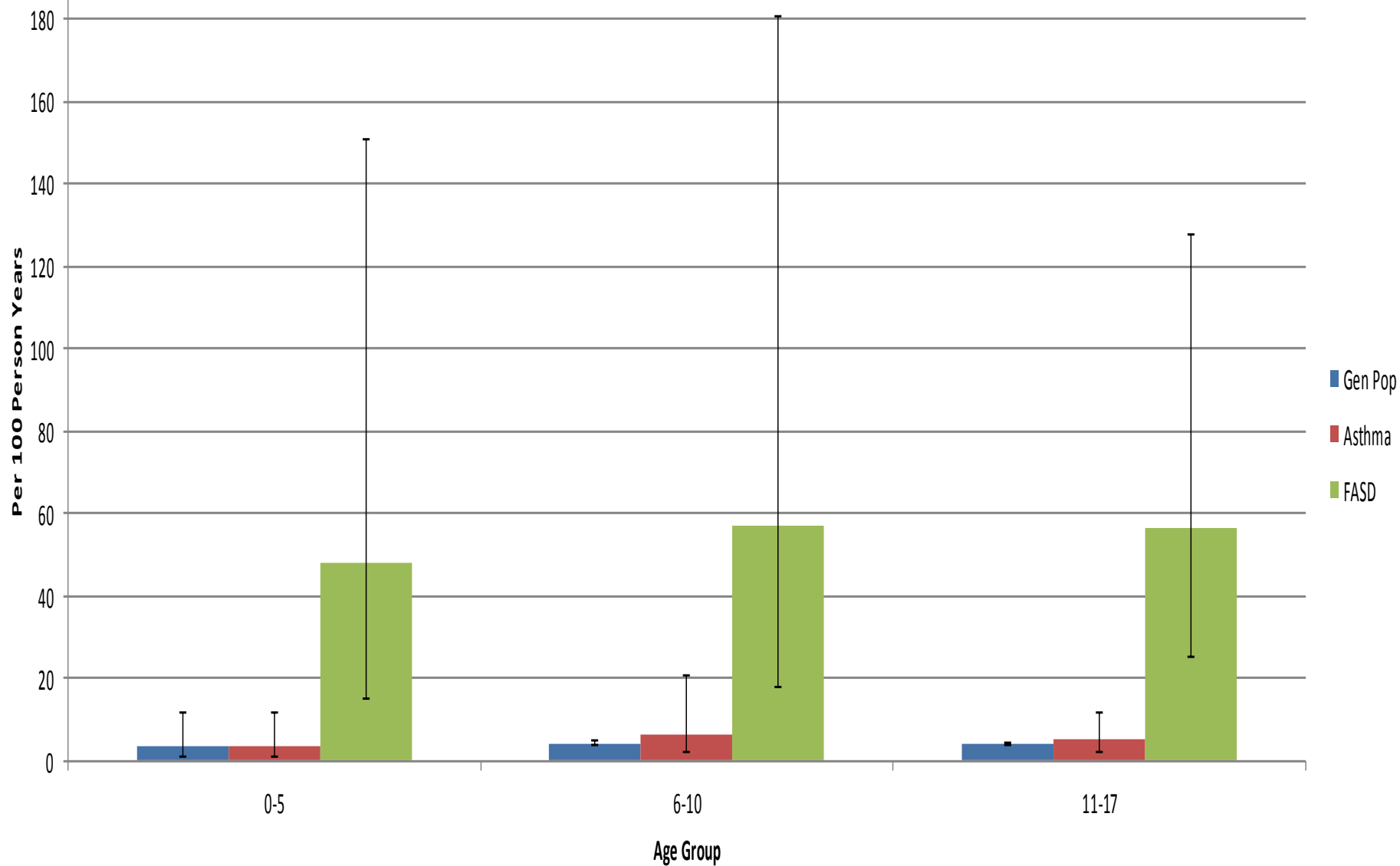
Adjusted Rates for Psychostimulant Prescriptions by Age and Study Group



Adjusted Rates for Special Education Funding by Age and Study Group



Adjusted Rates for In Care of CFS by Age and Study Group



Conclusions

- Health, education and social service utilization burden of individuals with FASD is substantial
- Findings highlight need for multisystem supports for those with FASD

Thank You / Questions

- umanitoba.ca/centres/mchp
- facebook.com/mchp.umanitoba
- twitter.com/mchp_umanitoba (@mchp_umanitoba)

- Paper available at:
<http://www.jptcp.com/pubmed.php?articleId=407>

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