

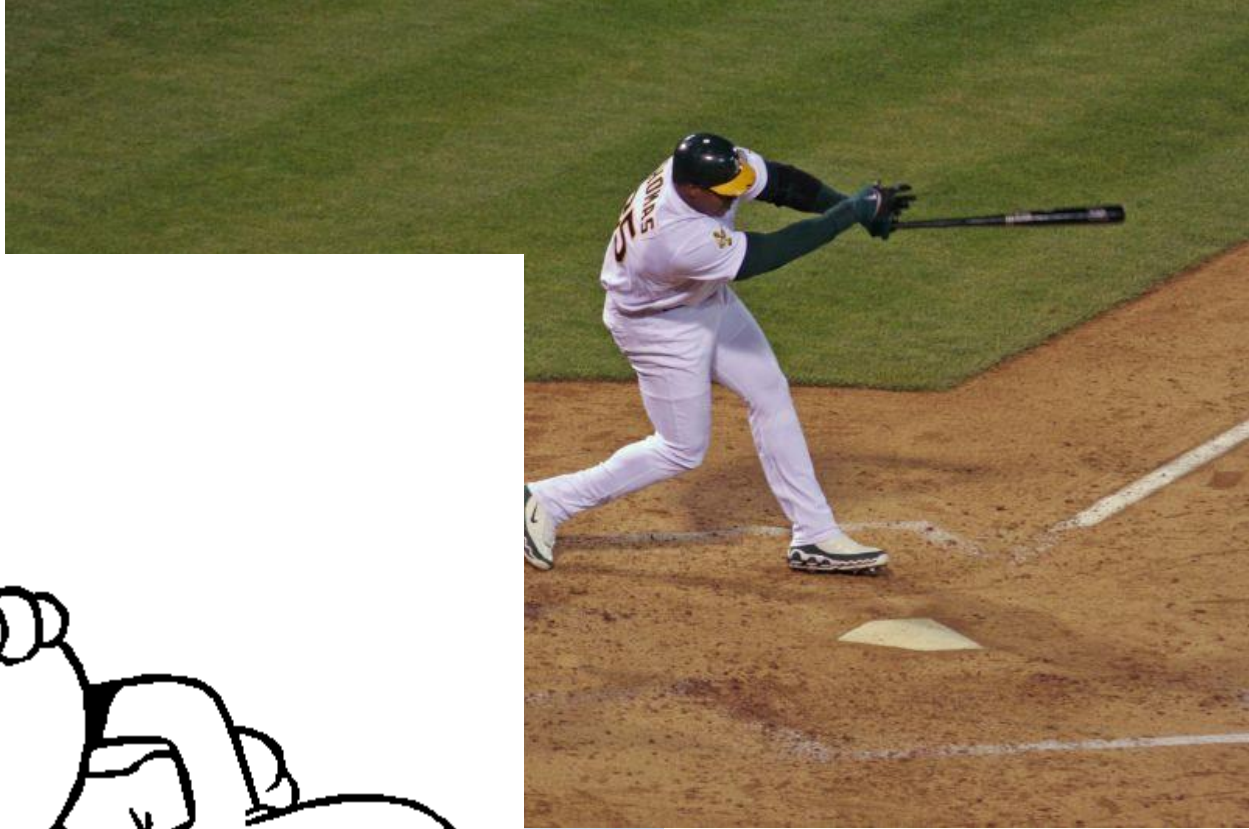
Get active with open data!

BEN – BRAEDYN– CHENXI

LINDA–RUSS–ADAM



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Physical activity and mental health in the United States and Canada: Evidence from four population surveys ☆

Thomas Stephens Ph.D. 

[Sports Medicine](#)

June 1990, Volume 9, [Issue 6](#), pp 323–329 | [Cite as](#)

Exercise and Mental Health

Beneficial and Detrimental Effects

Authors

[Authors and affiliations](#)

John S. Raglin

Factors Associated with Exercise Adherence Among Older Adults An Individual Perspective

Ryan E. Rhodes,¹ Alan D. Martin,² Jack E. Taunton,² Edward C. Rhodes,² Martha Donnelly³ and Jenny Elliot³

¹ Faculty of Physical Education and Recreation, University of Alberta, Edmonton, Alberta, Canada

² School of Human Kinetics, University of British Columbia, Vancouver, British Columbia, Canada

³ Short Term Treatment and Assessment Centre, Vancouver Hospital and Health Sciences Centre, Vancouver, British Columbia, Canada

[Sports Medicine](#)

March 2000, Volume 29, [Issue 3](#), pp 167–180 | [Cite as](#)

Physical Activity and Mental Health

Current Concepts

Authors

[Authors and affiliations](#)

Scott A. Paluska , Thomas L. Schwenk

Exercise and well-being: a review of mental and physical health benefits associated with physical activity

Penedo, Frank J^a; Dahn, Jason R^{a,b}

Current Opinion in Psychiatry: March 2005 - Volume 18 - Issue 2 - p 189–193
Behavioural medicine

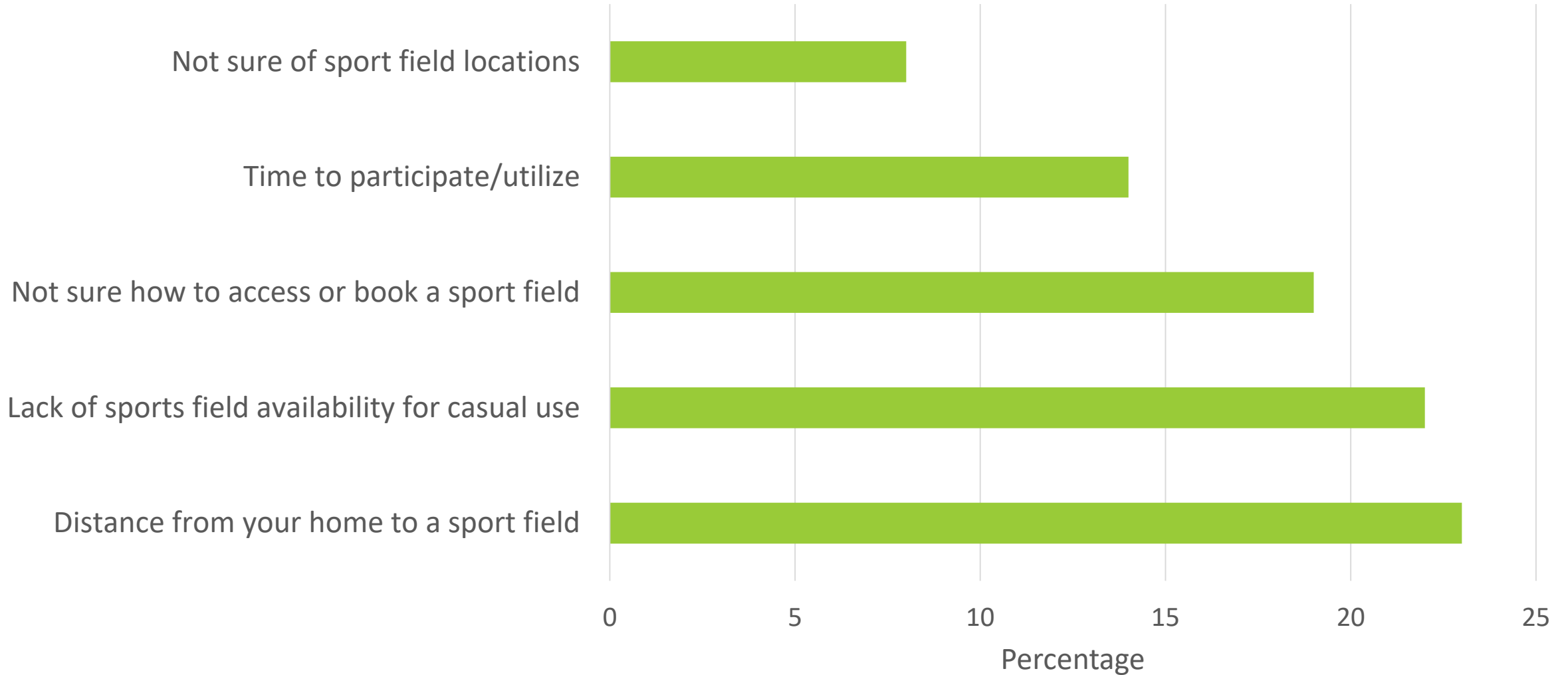
Health benefits of physical activity: the evidence

Darren E.R. Warburton, Crystal Whitney Nicol and Shannon S.D. Bredin

 March 14, 2006 174 (6) 801-809; DOI: <https://doi.org/10.1503/cmaj.051351>

Finding and scheduling physical recreation
for you and your family is a barrier to
getting active.

Barriers to Accessing/Utilizing Sports fields



Data from City of Calgary Sports Field Strategy assessment in 2015

Presented at the PIMS Datathon in Calgary on June 24, 2018

Barriers to Entry

Awareness

Knowing when and
where events are
happening

Social

Difficulty of
organizing
playmates

Accessibility

Transportation,
equipment, facility
availability

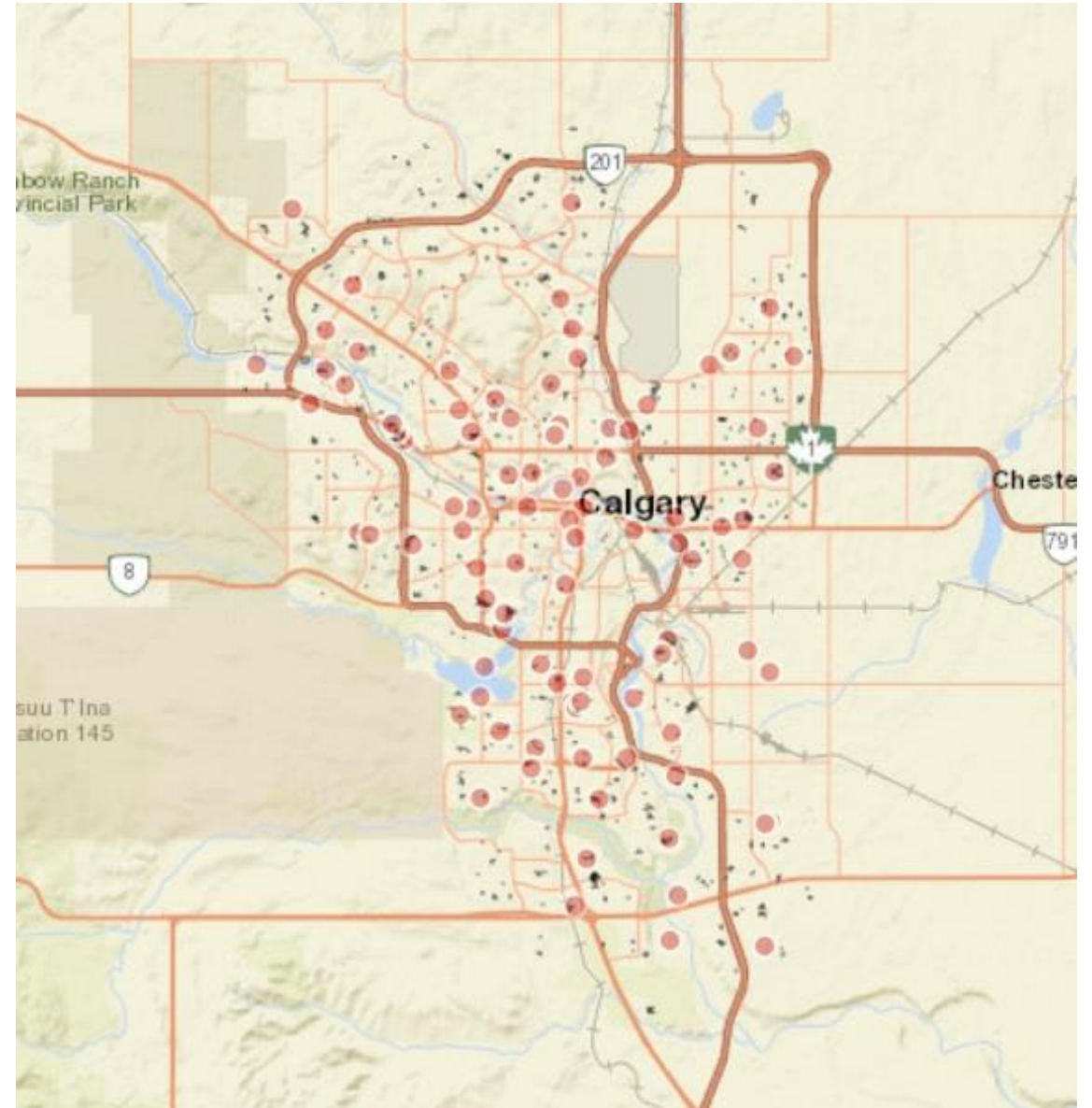
Datasets

Recreation Facilities ●

Map of all the recreational facilities in Calgary.

Park Sport Grouping ■

Map of all the baseball diamonds, fields, and turf playfields maintained by the city.



YYC OpenSport

OPEN ACCESS SPORT DISCOVERY TOOL PARTNERING WITH LOCAL
STAKEHOLDERS IN THE COMMUNITY

Methodology

Download facilities data

Download sports surface data

Filter and transform sports surface data due to file size

Extract metadata such as websites, facility type

Plot using open-source mapping and visualization tools

Next Steps:

Proximity to address

Integrate with travel time

Integrate with parking and transit access

Recommendations

City of Calgary should partner with local recreational centers and community recreational programs for open data sharing to help streamline.

- Open access APIs

Sports surface usage and reservations

- Historical bookings
- Schedules
- Closures

Public parking for facilities and sports areas

Future Work and Outlook

Augment existing platforms, not usurp

Create YYC OpenSport API

- Developer friendly

Integration, integration, integration

Outreach to Calgary Sport and Social Club, Community Centers, PlayCity

Facebook extension

Conclusion

Awareness

A centralized,
searchable, open
platform of events
and facilities.

Social

Integration allows
you to group with
friends and fellow
Calgarians.

Accessibility

Geomap provides
transportation and
parking information
to any facility.

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