Outdoor Play, Risky Play & Healthy Child Development

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Why are we here? Why is this important?

- 1. UN Convention on Human Rights includes every child's right to play
- 2. Play is a critical contributor to healthy child development
- Connection to nature/land is integral to our well-being, culture and a part of an ecological model of health
- 4. Less than 7 % of our children are active enough for healthy child development

Workshop Goals

- Share and document local knowledge, assets, opportunities and goals
- Share evidence-based knowledge, practice and emerging research connecting outdoor and risky play to healthy child development
- Share definitions, case studies and tools (e.g. risk assessment) to strengthen our understanding of the benefits of outdoor play and risky play.
- Reframe concepts of risk and provide simple definitions of what is and is not risky play.
- Build and/or strengthen a connected network of partners and collaboration to support increased quality and quantity of outdoor and risky play.
- Strengthen multi-sector support to increase local opportunities that connect children's health and well-being to their access to outdoor play (including risky pla and nature).
- Document local ideas and stories to local priorities and action plans.

Workshop Agenda

10:30 - noon

"What is Play"

Group work - 20 min. Childhood Stories - Where? Who were you with? What did it look like?

2 provocations - What has changed? Why is this important?

"What is Risk"

1:00 - 3:00

Risk as a continuum, subjective - activity to illustrate perception of risk

How do we talk about risk? https://outsideplay.ca/

How do we assess risk?

How do we manage risk?

How do we feel comfortable with risk-perceived and actual risk? (increased knowledge, training)

Incorporating risk into a program - loose parts, culture, space and time

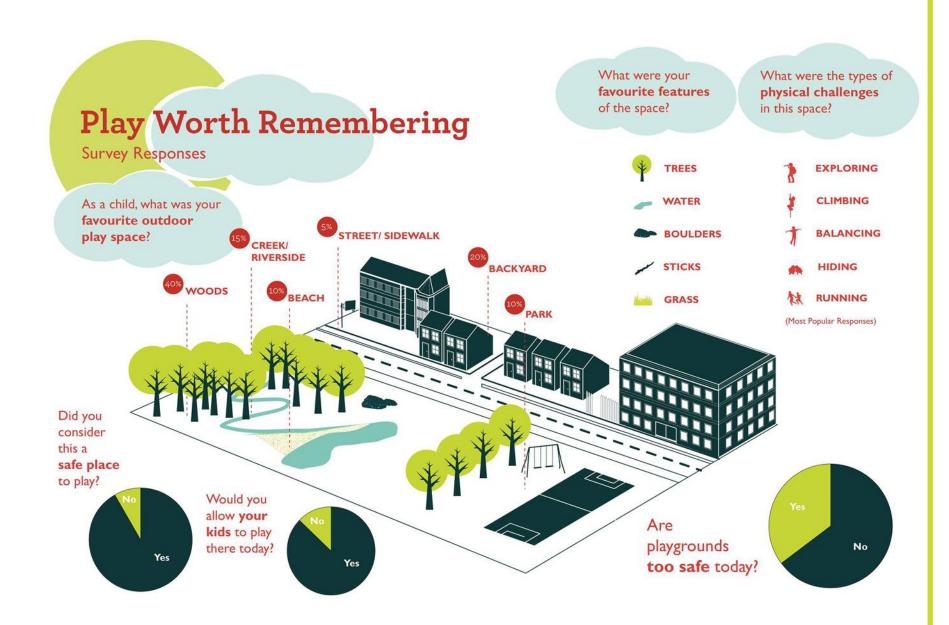
Risk assessment

Scenario-based - experience, site and daily risk benefit assessment

Design play space - affordance that includes culture, space and time.

Incorporating natural play spaces and loose parts





Sara Brunelle, Susan Herrington, Ryan Coghlan, & Mariana Brussoni. (2016). Play Worth Remembering: Are Playgrounds Too Safe? *Children, Youth and Environments*, 26(1), 17-36. Retrieved from http://www.istor.org/stable/10.7721/chilyoutenvi.26.1.0017













Independent Mobility

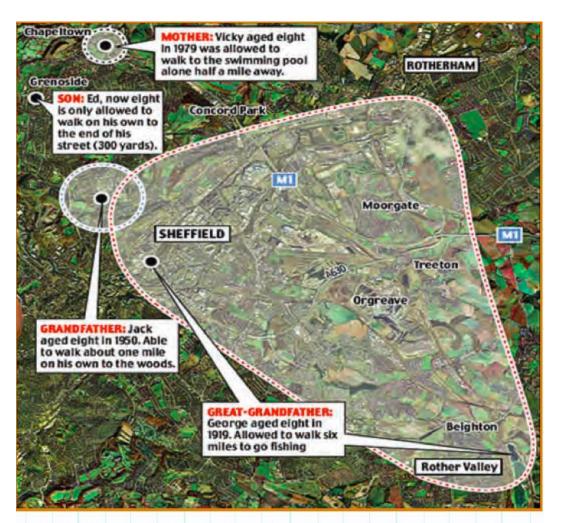
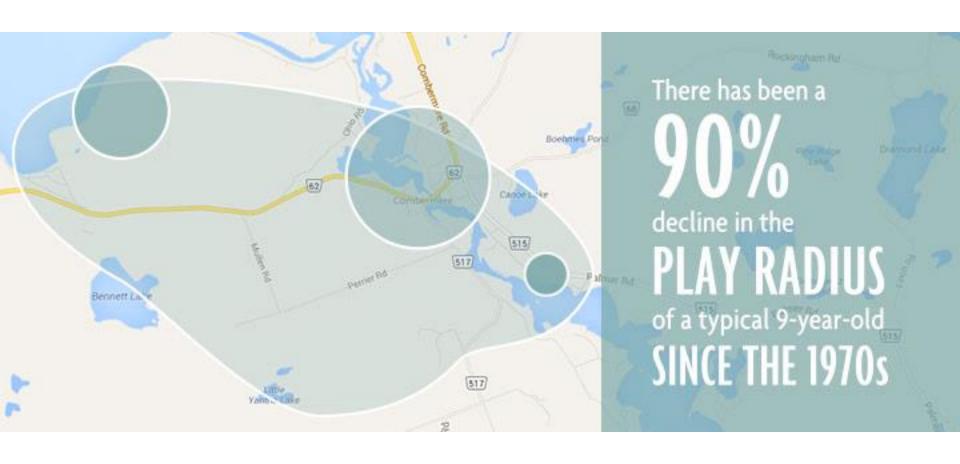


Figure 26: The Drastic Reduction in the Home Territory of 8-Year-Olds Across 3 Generations (Source: the Daily Mail¹²³).

- Great Grandfather (1919): Allowed to walk 6 miles to go fishing
- Grandfather (1950):
 Able to walk about 1
 mile on his own to go
 the the woods
- Mother (1979):
 Allowed to walk to
 the swimming pool
 alone half a mile
 away
- Son (today):
 Only allowed to walk
 on his own to the end
 of his street 300
 meters

Storytelling & knowledge sharing



The Biggest Risk is KEEPING KIDS INDOORS











Toronto school bans hard balls

The Canadian Press Posted: Nov 16, 2011 2:28 PM ET Last Updated: Nov 16, 2011 8:24 PM ET Q 209



Hard balls banned 2:02

Students at an east-end Toronto school are being told to leave their soccer balls — and other hard balls — at home.



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What is play?



- How do you describe/ define child play?
 - Spontaneous
 - Internally motivated



What is risky play?



... thrilling & exciting forms of play involving chance of physical injury

New Perspective...

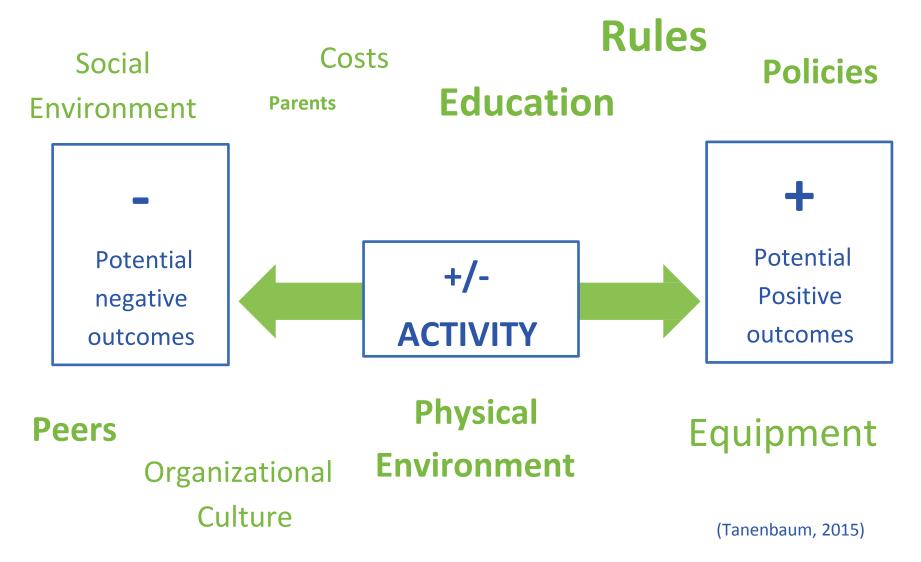
The definition of risk is no longer "chance or probability of loss", but "the effect of uncertainty on objectives"



New Perspective...



Key influencers...



Time to shift our thinking

- Risk was originally conceived as a negative outcome in a business environment
- How do we define risk today?
- How does this word permeate into our everyday lives?
 - Walking to school?
 - Playing a particular sport?
 - Playing at the park?





There is no developmental benefit to an industrial risk, but there is a benefit for play-related risk (Ball, Gill and Spiegal, 2012).

Risky Play (Sandsetter, 2009)



Speed

Height

Dangerous Tools Dangerous Elements Rough & Tumble

Getting Lost

What Risky Play is Not

Neglect

Recklessness

 Promotion of hazards



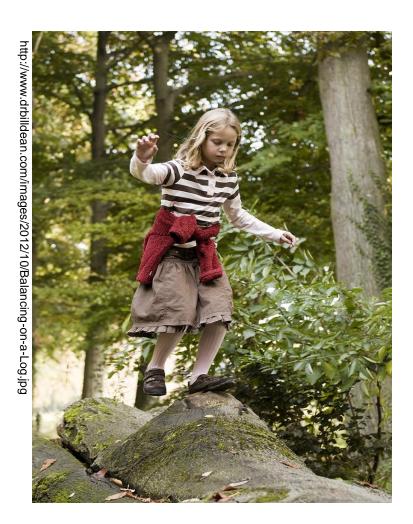




As Safe as Necessary, not As Safe as Possible

Developmental Benefits of Risky Play

(Bekoff & Byers, 1981, Bjorklund & Pellegrini, 2000, Byers & Walker, 1995, Humphreys & Smith, 1987, Pellegrini & Smith, 1998, Rakison, 2005; Bjorklund & Pellegrini, 2002, Fiskum, 2004)



- Physical/motor competence
 - Muscle strength, balance coordination, reaction time
- Spatial orientation
 - Awareness of body and body parts in space
 - Perception of object depth, height, speed & ability to adjust
- Environmental competence
 - Sense of purpose,
 - Self-worth and self-efficacy
 - Social competence & Resilience

Evidence & Research











Meanwhile in Ontario...

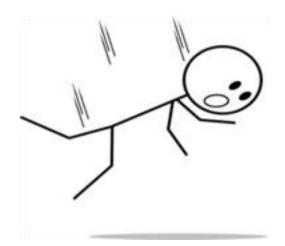
Age group		
00-04	4,550	35
05-09	1,071	307
10-14	247	207
15-19	168	83
Total	6,036	632

Source: Ambulatory Emergency External Cause (Chapter 20)(NACRS), Ontario Ministry of Health and Long-Term Care: IntelliHEALTH ONTARIO. Extracted November 17, 2015.

What's killing us?

Then (1900's)	Now (2000's)
Pneumonia	Heart disease and Stroke
Influenza	Cancer
Tuberculosis	Respiratory disease
Diarrhea and enteritis	Injuries





POSITION STATEMENT ON ACTIVE OUTDOOR PLAY

Position



Access to active play in nature and outdoors—with its risks—is essential for healthy child development. We recommend increasing children's opportunities for self-directed play outdoors in all settings—at home, at school, in child care, the community and nature.

Evidence based collaboration

This Position Statement was informed by the best available evidence, interpreted by a group of Canadian experts representing 14 organizations, and reviewed and edited by more than 1,600 stakeholders. Details of the process are published in the *International Journal of Environmental Research and Public Health*www.mdpi.com/journal/ijerph

Partners and Funders









Systematic Reviews

Int. J. Environ. Res. Public Health 2015, 12, 6455-6474; doi:10.3390/ijerph120606455

OPEN ACCESS

International Journal of
Environmental Research and
Public Health
ISSN 1660-4601
www.mdpi.com/journal/ijerph

Review

What Is the Relationship between Outdoor Time and Physical Activity, Sedentary Behaviour, and Physical Fitness in Children? A Systematic Review

Casey Gray ^{1,*}, Rebecca Gibbons ², Richard Larouche ¹, Ellen Beate Hansen Sandseter ³, Adam Bienenstock ^{4,†}, Mariana Brussoni ^{5,6,†}, Guylaine Chabot ^{7,†}, Susan Herrington ^{8,†}, Ian Janssen ^{9,10,†}, William Pickett ^{10,†}, Marlene Power ^{11,†}, Nick Stanger ^{12,†}, Margaret Sampson ¹³ and Mark S. Tremblay ^{1,14}

www.mdpi.com/1660-4601/12/6/6455

The objective of this systematic review was to examine the relationship between outdoor time and: (1) physical activity, (2) cardiorespiratory fitness, (3) musculoskeletal fitness, (4) sedentary behaviour; or (5) motor skill development in children aged 3–12 years.

Our systematic review, based on "very low" to "moderate" quality evidence, provides consistent evidence that children aged 3–12 years who spend more time outside are more active and less sedentary. All of the included studies reported positive effects on movement behaviours. Positive findings were apparent across ages, sexes and contexts (e.g., preschool, physical education, leisure time). Our findings highlight the importance of preserving time in children's schedules for unstructured outdoor play and also for incorporating time outdoors within structured contexts like school and childcare as a means of promoting healthy active living.

Systematic Review # 2

Int. J. Environ. Res. Public Health 2015, 12, 6423-6454; doi:10.3390/ijerph120606423

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International Journal of
Environmental Research and
Public Health
ISSN 1660-4601
www.mdpi.com/journal/ijerph

Review

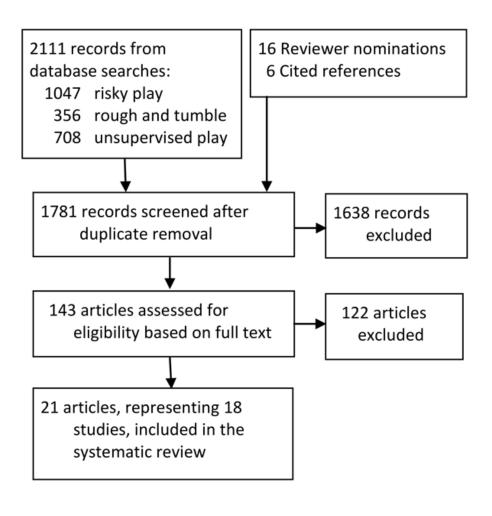
What is the Relationship between Risky Outdoor Play and Health in Children? A Systematic Review

Mariana Brussoni ^{1,2,*}, Rebecca Gibbons ³, Casey Gray ⁴, Takuro Ishikawa ¹, Ellen Beate Hansen Sandseter ⁵, Adam Bienenstock ^{6,†}, Guylaine Chabot ^{7,†}, Pamela Fuselli ^{8,†}, Susan Herrington ^{9,†}, Ian Janssen ^{10,11,†}, William Pickett ^{11,†}, Marlene Power ^{12,†}, Nick Stanger ^{13,†}, Margaret Sampson ¹⁴ and Mark S. Tremblay ^{4,15}

www.mdpi.com/1660-4601/12/6/6423

Benefits of Risky Play (Brussoni, et al, 2015)

Figure 1.PRISMA Flow Diagram



Risky Play Systematic Review

We sought to conduct a systematic review to examine the relationship between risky outdoor play and health in children, in order to inform the debate regarding its benefits and harms.

The systematic review revealed overall positive effects of risky outdoor play on a variety of health indicators and behaviours, most commonly physical activity, but also social health and behaviours, injuries, and aggression. The review indicated the need for additional "good quality" studies; however, we note that even in the face of the generally exclusionary systematic review process, our findings support the promotion of risky outdoor play for healthy child development.

Results

Getting lost, height, rough & tumble, risky play supportive environments

Risky play related to health

- + Physical activity
- Sedentary behaviour
- + Social health/behaviour

No study reported negative effects

Context

- 2 systematic reviews conducted to examine best available scientific evidence on the net effect (i.e., balance of benefits vs. harms) of outdoor and risky active play.
- Other research and reviews consulted.
- Position Statement applies to girls and boys (aged 3-12 years) regardless of ethnicity, race, or family socioeconomic status.
- Children who have a disability or a medical condition should also enjoy active outdoor play in compliance with guidance from a health professional.
- Have we as a society lost the appropriate balance between keeping children healthy and active and protecting them from serious harm?
- If we make too many rules about what they can and can't do, will we hinder their natural ability to develop and learn?
- If we make injury prevention the ultimate goal of outdoor play spaces, will they be any fun?
- Are children safer sitting on the couch instead of playing actively outside?

Context

We need to recognize the difference between danger and risk. And we need to value long-term health and fun as much as we value safety.

What Risk Means

- In play, risk doesn't mean courting danger—like skating on a halffrozen lake or sending a preschooler to the park alone.
- It means the types of play children see as thrilling and exciting, where the possibility of physical injury may exist, but they can recognize and evaluate challenges according to their own ability.
- It means giving children the freedom to decide how high to climb, to explore the woods, get dirty, play hide 'n seek, wander in their neighbourhoods, balance, tumble and rough-house, especially outdoors, so they can be active, build confidence, autonomy and resilience, develop skills, solve problems and learn their own limits.
- It's letting kids be kids—healthier, more active kids.

Evidence

- When children are outside they move more, sit less and play longer³⁻¹²—behaviours associated with improved cholesterol levels, blood pressure, body composition, bone density, cardiorespiratory and musculoskeletal fitness and aspects of mental, social and environmental health.¹³⁻²²
- Hyper-parenting limits physical activity and can harm mental health.⁵⁴⁻⁵⁷
- When children are closely supervised outside, they are less active.^{4,58-68}

Evidence

- Children are more curious about, and interested in, natural spaces than prefabricated play structures.⁶⁹⁻⁷⁹ Children who engage in active outdoor play in natural environments demonstrate resilience, self-regulation and develop skills for dealing with stress later in life.⁸⁰⁻⁹⁸
- Outdoor play that occurs in minimally structured, free and accessible environments facilitates socialization with peers, the community and the environment, reduces feelings of isolation, builds inter-personal skills and facilitates healthy development.^{4,59,70,76,83,99-103}

Outdoor Play is Safer Than You Think!

- The odds of total stranger abduction are about 1 in 14 million based on RCMP reports.²³ Being with friends outdoors may further reduce this number.
- Broken bones and head injuries unfortunately do happen, but major trauma is uncommon. Most injuries associated with outdoor play are minor.²⁴⁻³¹
- Canadian children are eight times more likely to die as a passenger in a motor vehicle than from being hit by a vehicle when outside on foot or on a bike.³²⁻³⁴

Indoor Hazards

- When children spend more time in front of screens they are more likely to be exposed to cyber-predators and violence, and eat unhealthy snacks.³⁵⁻³⁹
- Air quality indoors is often worse than outdoors, increasing exposure to common allergens (e.g., dust, mould, pet dander), infectious diseases, and potentially leading to chronic conditions.⁴⁰⁻⁴³
- In the long-term, sedentary behaviour and inactivity elevate odds of developing chronic diseases, including heart disease, type-2 diabetes, some forms of cancer and mental health problems.⁴⁴⁻⁵³

Position Statement Acknowledgments

Funding for the development of the Position Statement was provided by:









The Position Statement was developed and is supported by Professor Susan Herrington, MLA, University of British Columbia; Dr. William Pickett, Queen's University, and:



























Background Papers



Review: Position Statement on Active Outdoor Play

by Mark S. Tremblay, Casey Gray, Shawna Babcock, Joel Barnes, Christa Costas Bradstreet, Dawn Carr, Guylaine Chabot, Louise Choquette, David Chorney, Cam Collyer, Susan Herrington, Katherine Janson, Ian Janssen, Richard Larouche, William Pickett, Marlene Power, Ellen Beate Hansen Sandseter, Brenda Simon and Mariana Brussoni

Int. J. Environ. Res. Public Health 2015, 12(6), 6475-6505; doi:10.3390/ijerph120606475

Received: 22 April 2015 / Revised: 22 May 2015 / Accepted: 29 May 2015 / Published: 8 June 2015

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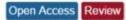
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Int. J. Environ. Res. Public Health 2015, 12(6), 6455-6474; doi:10.3390/ijerph120606455

Received: 16 March 2015 / Revised: 14 April 2015 / Accepted: 23 April 2015 / Published: 8 June 2015

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Review: What is the Relationship between Risky Outdoor Play and Health in Children? A Systematic Review

by Mariana Brussoni, Rebecca Gibbons, Casey Gray, Takuro Ishikawa, Ellen Beate Hansen Sandseter, Adam Bienenstock, Guylaine Chabot, Pamela Fuselli, Susan Herrington, Ian Janssen, William Pickett, Marlene Power, Nick Stanger, Margaret Sampson and Mark S. Tremblay

Int. J. Environ. Res. Public Health 2015, 12(6), 6423-6454; doi:10.3390/ijerph120606423

Received: 26 January 2015 / Revised: 29 March 2015 / Accepted: 8 April 2015 / Published: 8 June 2015

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Process Paper

Table 3. Stakeholder assessment of the *Position Statement's* clarity and stakeholder level of agreement, by section.

Section Title	Section Clearly Stated				Agreement with Section			
	Total N	Strongly	Somewhat	Combined	Total N	Strongly	Somewhat	Combined
		Agree	Agree	Agreement		Agree	Agree	Agreement
Statement	1903	1439	410	1849	1908	1738	153	1891
		(75.6%)	(21.5%)	(97.1%)		(91.1%)	(8.0%)	(99.1%)
Context	1809	1384	374	1758	1811	1575	201	1776
		(76.5%)	(20.7%)	(97.2%)		(87.0%)	(11.1%)	(98.1%)
Evidence	1770	1251	445	1696	1773	1438	284	1722
		(70.7%)	(25.1%)	(95.8%)		(81.1%)	(16.0%)	(97.1%)
Recommendations	1723	1290	393	1683	1727	1388	298	1686
		(74.9%)	(22.8%)	(97.7%)		(80.4%)	(17.3%)	(97.7%)

Balanced Approach

- Need to better balance health promotion and life-skill development with safety concerns
- Resist "surplus safety"
- Sterile, bubble-wrapped environments may provoke undesired/deviant behaviours, or worse, anxieties or phobias
- Be cautious of "lulling effect"
- Need to manage, not eliminate, risk
- Accept evidence of benefits of "risky play"
- Balance experiential learning and paternalism

Identifying Community Barriers to Outdoor Play



Understanding barriers



(Let us take risks) & I am an 11 year old kid and I love to play outside and I can, when I am at home, but at school Here are so many rules especially in the winter. We are not allowed on the swings or play structures Also, last year we were not allowed on the icy patches. The worst thing is that we are never allowed in the woods. Hids need to each hurt or else when we got hurt later deal with it. -Ailish Patterson Deep Rive

outdoor play strategy

An exploration of children's unstructured outdoor play in Canada

In 2013, the Lawson Foundation started rethinking how we could help shift kids' behaviours towards healthier lifestyles. We decided to explore outdoor play as a lever to reverse the inactivity crisis and as an essential element to support healthy child development, the Foundation's ultimate goal.

We started by co-funding three academic papers insky play, outdoor time, active outdoor play) and supported the convening of a working group to develop the Position Statement on Active Outdoor Play under the leadership of Dr. Mark Tremblay. The Position Statement was released to resounding positive media attention in June 2015 by ParticipACTION via the Report Card on Physical Activity for Children and Youth. This was followed by our funding call to identify projects that collectively would help inform how communities can increase children's opportunities for unstructured outdoor play.

For the next few years we will be working with organizations across Canada and ranging across physical activity, recreation, injury prevention, public health, early childhood education, environment, education, mental health, but all focused on children's outdoor play. Collectively the projects will produce tools, resources and training to build practitioner and decision maker capacity to support outdoor play, test delivery models for community implementation, and use research and evaluation to measure the effectiveness of various approaches.

We are using a cohort approach where the projects will convene periodically to network, share and learn together. We'll be learning throughout this process, meeting new stakeholders, discovering more about what's already underway across Canada and abroad, and engaging in a developmental evaluation to understand how the learning from the projects could collectively make a difference for Canadian kids.

To stay connected to the Lawson Foundation's Outdoor Play Strategy, sign up here or follow us on social media.





2013-2018 timeline

\$2,700,000 investment to date 18 projects across Canada



LAWSON FOUNDATION

Playground claim thrown out in landmark court judgement

Posted on February 22, 2016 | 14 Comments

A claim for compensation after a playground accident has been rejected in a precedent-setting legal case in the Supreme Court of British Columbia. The civil claim was made against the municipality of Saanich, following an accident during a game of 'grounders' (a chase game played on and around fixed play equipment that my daughter and her London friends would know better as 'off-ground touch').



The accident happened in 2009 when the claimant, Rebecca Thompson, was eleven years old and had been attending a day camp during the summer

https://vimeo.com/147505136



Position Statement Stories & Impact

From our experience as Canadian young people, this statement coincides with what we believe contributes to fun, healthy, and active child development. From our perspective, which stems from our research and personal experience, this statement accurately identifies priorities for child active outdoor play.

Child Health 2.0 Youth Advisory Board and Child health 2.0 Research
Team



we will play outside in our "fort" at our OWN RISK. We are very responsible students. Our lunch break is our own break so we as squirrels, chipmin little insects. Having this ! should have more say in what we mean a lot to us and also time "OXDAND" OUT SCHOOLAND IT WILL LET want. Kristen Coupland and Aimee Godreu have participated in the CANADIAN RED CROSS SAFETY SITTER and know what to do in an Id and then the your emergency. Shivaan Godreau, Aimee Godreau and Kristen Coupland would like this contract to last till May 12, 2016-June 24, rades 2017 (The end of grade 8 for the

girls). Our "fort" has a great learning oasis. Opportunities that involve with our "fort" are: beautiful plants, amazing sitting trees, bird spotting and natures animals such as squirrels, chipmunks and even little insects. Having this fort will mean a lot to us and also if we "expand" our schoolyard it will let other children play on the far baseball field and then the younger grades can get a spot to play baseball so the older grades can play at the far end. We are aware that the Gasmans property is right

beside the area that we would like to claim and we do know not to play on the dirt road because there will be cars driving past and we promise we will look both ways before crossing. We do understand what Julie Weaver and Ms. Seabank are saying about supervision problems and we will find a willing adult to watch over us as we play gratefully.

Parent Signature_______

Julie Weaver Signature______

Ms. Seabank Signature______

Principal Signature______

Mr. Gasmans Signature ______



Run. Jump. Play. Every Day.

Thank you

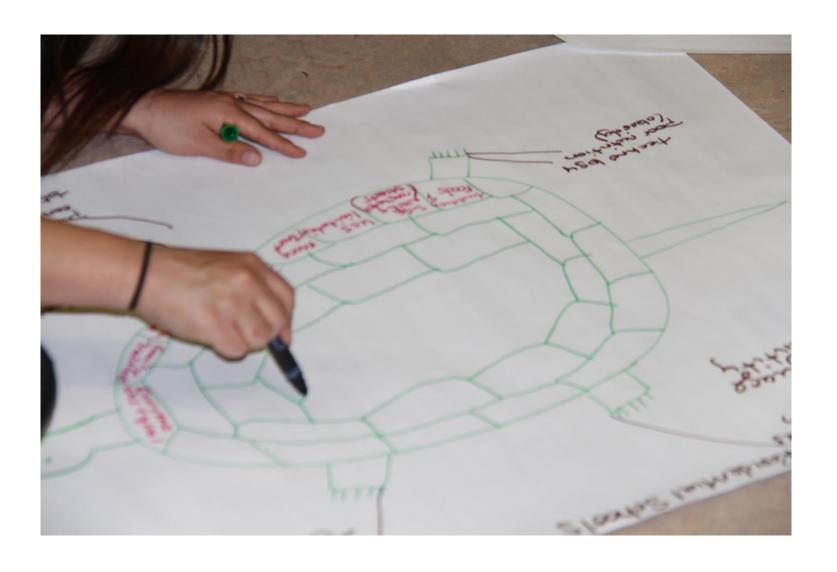
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Mapping Connections & Understanding Barriers

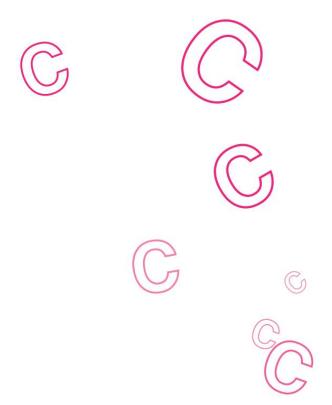


Identify important parts of your community, what will improve and increase opportunities for outdoor active play & active transportation and how they are connected?

Community Action

Build next steps, including alignments opportunities and timelines.

Create a vision for your community, identify important community champions, existing community strengths and opportunities.



Community Based Action - steps for positive impact

- 1. Confidence evidence-informed action & current research
- 1. Ownership collective action right to participate in shaping the spaces where children play
- 1. Tools evidence-based resources e.g.: position statement
- 1. Trust that we can make change positive impact

- 1. Where does "risky play" fit into your organizations vision, mission and or values?
- 1. What do you need within your organization, or from an external organization, to facilitate the inclusion of risky play in your organizations initiatives/strategies?
- 1. Consider the next three months...what are some "easy wins" to increase access to risky play opportunities for children and youth in Ontario?

Mutually Reinforcing Activities

- -Training & resources
- -Research
- —Practice
- -Education transformation
- –Policy
- –Legal / Liabiliity

Thank you

Pamela Fuselli Parachute http://www.parachutecanada.org/

Brandy Tanenbaum Sunnybrook Health Sciences Centre http://www.playsafeinitiative.ca/

Shawna Babcock
Canadian Outdoor Play Working
Group
KidActive Canada
http://www.kidactive.ca





Provincial Partners: KidActive | CHEO Research Institute - HALO | Green Communities of Canada | Child & Nature Alliance | Forest School Canada | Parks and Recreation Ontario | Back to Nature Network



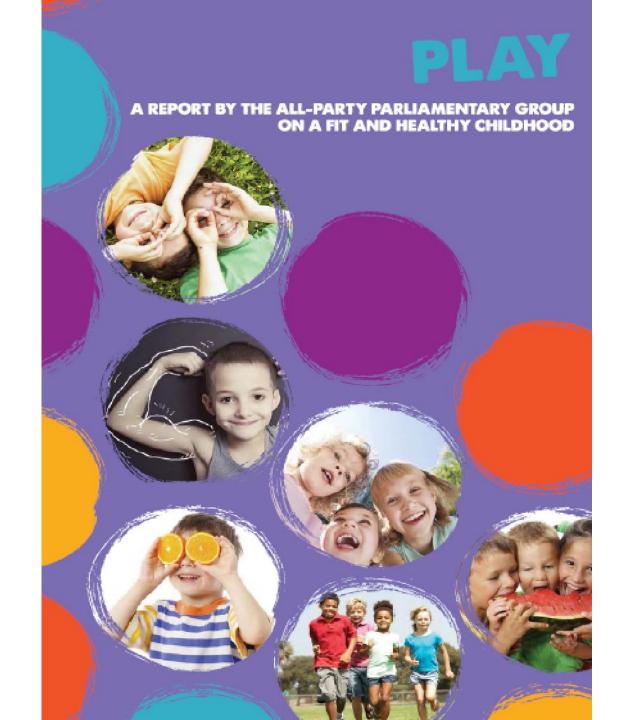












RECOMMENDATIONS

- Support provision for children to experience risk and challenge and develop resilience and self-reliance through play, both in their communities and in schools
- Encourage the use of natural materials in playground design and support the development of adventure playgrounds; train school staff to recognise the elements of good design
- Support the Forest School movement and other initiatives to take urban children into rural settings and likewise, through improved training and design, bring the 'rural' play environment into urban schools
- Ensure that every indoor play environment does not take a 'tick box' approach to compliance with standards. Each site should be able to demonstrate how children may benefit from encountering the facility
- Training and guidance documents on indoor play for use by teachers, play supervisors (and perhaps through media campaigns) for parents in a non-patronising and informative manner
- Provide clear communication to parents of the benefits of play in and around the home and how to facilitate it

Such is the ubiquity of children's play, and so diverse the factors that either constrain or support it within the public realm that an effective play policy must engage with and coordinate changes to a wide range of domains and functions. These encompass:

- Planning
- Architecture and landscape architecture
- Traffic
- Policing
- Housing developers and managers
- Park planners, designers, providers and managers
- Leisure and cultural services including their catering facilities
- Schools
- Children's services
- Early years' and childcare provision
- Prisons
- Hospitals
- Immigration centres
- Housing for the homeless and children's homes

as well as play services themselves.

Impact - local, provincial & national

Connected multi-sector COLLABORATION, TOOLS AND ACTION

build healthy communities where EVERY CHILD HAS ACCESS

to safe, natural outdoor active play and active transportation

