



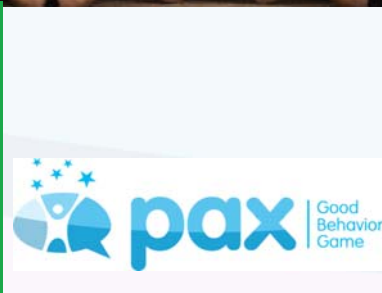
Healthy Child Manitoba
Putting children and families first

Manitoba



PAX: First Provincewide in Canada

Dr. Dennis Embry – PAXIS Institute















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First graders had these benefits at age 21.



\$65.47 returned for every \$1 invested
(WSIPP, 2016)

OUTCOMES	STUDENT GROUPS	GBG CLASSROOM	STANDARD CLASSROOM
Drug abuse and dependence disorders	All males	19 percent 	38 percent
	Highly aggressive males	29 percent 	83 percent
Regular smoking	All males	6 percent 	19 percent
	Highly aggressive males	0 percent 	40 percent
Alcohol abuse and dependence disorders	All males and females	13 percent 	20 percent
Antisocial personality disorder (ASPD)	Highly aggressive males	40 percent 	100 percent
Violent and criminal behavior (and ASPD)	Highly aggressive males	34 percent 	50 percent
Service use for problems with behavior, emotions, drugs, or alcohol	All males	25 percent 	42 percent
Suicidal thoughts	All females	9 percent 	19 percent
	All males	11 percent 	24 percent

SOURCE: Kellam et al. (2011). The Good Behavior Game and the future of prevention and treatment. *Addiction Science & Clinical Practice*, 6(1), 73-84.



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PAX In Action

- 2010 – schools raise concerns on mental health and behavioural issues in schools; HCMO survey scientific evidence
- 2010/11 – pilot with Seine River School Division
- 2011/12 – clustered randomized controlled trial (RCT); focus on Grade 1 province-wide
- 2013 – positive preliminary results; shared with Healthy Child Committee of Cabinet, schools and researchers
- 2013-onward – policy decision to scale province-wide, multiple grades
- 2017 – trained to date: 1001 classroom teachers, 291 administrators, 258 Student Services, 643 schools, 21000 students



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MB RCT Outcomes:

- Statistically significant/clinically meaningful immediate effects in preventing/reducing children's mental health problems.
- Statistically significant/clinically meaningful immediate effects in reducing total difficulties (reduce emotional symptoms, conduct problems; increase prosocial behaviour) - equally effective for boys and girls.
- PAX even more effective across all outcomes for children with challenges measured on pre-test.

2017-onwards: innovation by and with community – whole school/community, youth Dream Makers, Indigenous research