

P.A.T.H.S. to Adulthood: A Jockey Club Youth Enhancement Scheme (Project P.A.T.H.S.) Daniel T.L. Shek, PhD, FHKPS, BBS, JP Chair Professor, Department of Applied Social Sciences The Hong Kong Polytechnic University Advisory Professor, East China Normal University Honorary Professor, Kiang Wu Nursing College of Macau Adjunct Professor, University Kentucky College of Macau

# Adolescent Developmental Issues and Phenomena

- Substance abuse
- Mental health problems
- Bullying
- Internet addiction
- Drop in family solidarity

## The Need for Positive Youth Development Program

- Lack of systematic and sustainable positive youth development programs in Hong Kong
- Problem free is not fully prepared (Pittman,1991)
- Young people are not problems to be solved but resources to be developed

## **Social and Emotional Learning**

#### Self-Awareness

Identifying emotions; recognizing strengths

## Social Awareness

Perspective-taking; appreciating diversity

- Self-Management
- Managing emotions; goal setting

### Responsible Decision Making

Analyzing situations, assuming personal responsibility, respecting others, problem solving

#### **Relationship Skills**

Communication, building relationships, negotiation, refusal

# Introduction

Funding: A total of HK\$750 million from The Hong Kong Jockey Club Charities Trust

- Purpose: to promote holistic and positive development of young people Feature: the first known scientific youth development programme designed for adolescents in different Chinese communities
- Strategy: Development of positive youth development programs (particularly curricular-based programs) focus on 15 positive youth development constructs
- Design of the Project: 2 Tiers (Tier 1: a universal positive youth development programme for students in Secondary 1 to Secondary 3 receiving 10-20 hours of training in each level of the junior secondary school year; Tier 2: a selective programme for adolescents with greater psychosocial needs)
- Time Period: Phase I (2006/07 2008/09) / Phase II (2009/2010 2011/2012)
   Research Team: The Hong Kong Polytechnic University, City University of Hong Kong, Hong Kong Baptist University, The Chinese University of Hong Kong, The University of Hong Kong

#### 15 Positive Youth Development Constructs Covered in the Project P.A.T.H.S.

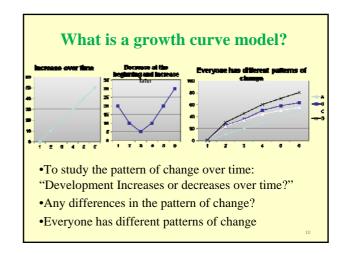
- Bonding
- Resilience
- Competencies: Social, Emotional, Cognitive, Behavioral and Moral Competencies
- Self-Determination
- Self-Efficacy
- Spirituality
- Beliefs in the Future
- Clear and Positive Identity
- Prosocial Involvement
- Prosocial Norms
- Recognition for Positive Behavior

## **Multi-Method Evaluation**

- Evaluation 1: Objective outcome evaluation (pretest-posttest) first year
- Evaluation 2: Objective outcome evaluation (randomized group trial) 5-year longitudinal study
- Evaluation 3: Subjective outcome evaluation (students)
- Evaluation 4: Subjective outcome evaluation (workers)
- Evaluation 5: Qualitative evaluation (worker focus groups)
- Evaluation 6: Qualitative evaluation (student focus groups)

# **Multi-Method Evaluation**

- Evaluation 7: In-depth interviews with teachers
- Evaluation 8: Case study
- Evaluation 9: Process evaluation
- Evaluation 10: Interim evaluation
- Evaluation 11: Student products (weekly diaries; drawings)
- Evaluation 12: Evaluation based on personal construct psychology (repertory grid technique)



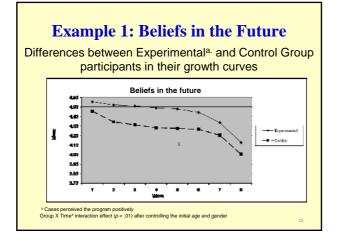
			Metl	hodo	logy			
					rol Experimental students) (PATHS students			
Schoo	ls	43		24	19			
No. of students		5,934	3,272			2,662		
				Tii	ne			
	Wave 1	Wave 2	Wave 3	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8
Year	Sept. 2006	May 2007	Sept. 2007	May 2008	Sept. 2008	May 2009	May 2010	May 2011
Grade level	S	.1	S	S.2 S.3		.3	S.4	S.5
No. of Schoo Is	(1 expe schoo withdray	7* rimental ol had wn after ve 1)	(3 expe schoo withdrav	schools had school h ithdrawn after withdrawn		I (1 experimental school had		43

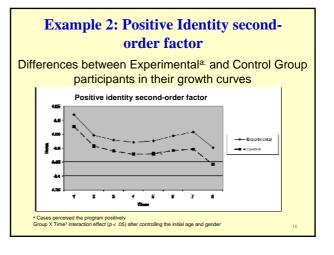
	Wave 1	Wave 2	3	Wave 4	5	Wave 6	Wave 7	Wav 8
N (Schools)	48	47 a	44 <sup>b</sup>	44	43 °	43	43	43
N (Participants)	7,846	7,388	6,939	6,697	6,876	6,733	6,116	5,93
Control Group	3,797	3,654	3,765	3,698	3,757	3,727	3,442	3,27
Male	1,936	1,876	1,896	1,888	1,874	1,894	1,770	1,66
Female	1,613	1,619	1,666	1,599	1,682	1,679	1,592	1,55
Experimental Group	4,049	3,734	3,174	2,999	3,119	3,006	2,674	2,66
Male	2,154	1,998	1,691	1,548	1,632	1,591	1,408	1,42
Female	1,745	1,571	1,283	1,259	1,312	1,278	1,155	1,19
% of successfully matched	•	96%	97%	98%	99%	97%	93%	91%

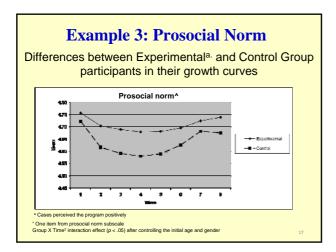
	Meth			ology			
C	hinese P	ositive	You	th Develo	pment Sca	le	
Bonding	Resili	ence	Socia	I Competence	Emotional C	ompetence	
Spirituality	Self-Ef	Self-Efficacy		y Behavioral Competence		ompetence	
Beliefs in the Future	Clear and Ider		Prosocial Norms		Moral Competence		
Positive Ident	ositive Identity second-order fa			cognition for tive Behavior	Self- Determination	Prosocial Involvement	
			Subst				
Alco	Alcohol		Tobacco		ne Ca	annabis	
Cough n	nixture	Organic so	olvent Ecstasy		sy H	Heroin	
			Delind	quency			
Stealing	Cheating	Cheating Playir Trua		Runaway	Reviling	Trespassing	
Damaging properties	Assault	Assault Sexu relation		Group assault	Staying away from home	Violence	
			Oth	ners			
Life sa	tisfaction	Intenti		ngage in Risk aviour	Academic and School		

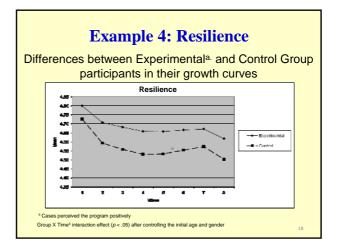
# **Major Finding** (1)

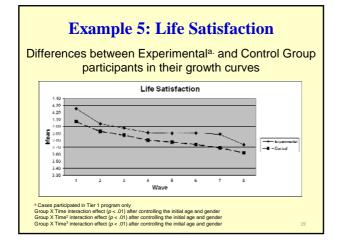
• Using positive youth development indicators such as moral competence, behavioral competence and positive identity, a) students in the Experimental Group (with P.A.T.H.S) had better development than did students in the Control Group (without P.A.T.H.S); b) students in the Experimental Group who perceived the program to be beneficial to their development had better development than did students in the Control Group.

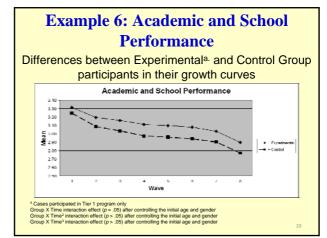




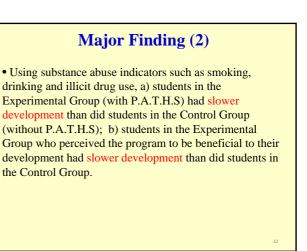


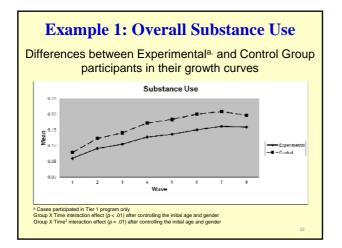


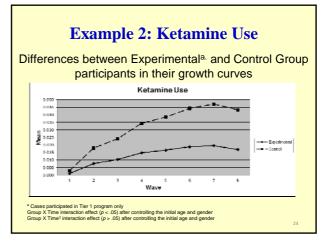


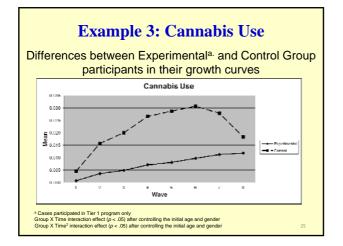


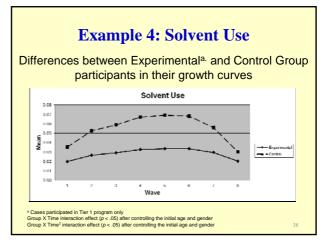
	Completed Secondary 3 (School:43; No of Students: 6,733)				pleted Secondary 3; No of Students		The largest group difference within 5 years			
Positive Youth Development Constructs	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	Time
Beliefs in the Future	4.50	4.31	4%	4.21	4.06	4%	4.49	4.25	6%	Complete Secondary 2
Positive Identity	4.46	4.39	2%	4.45	4.38	2%	4.46	4.36	2%	Complete Secondary 4
Prosocial Norm	4.45	4.36	2%	4.39	4.37	0.5%	4.41	4.29	3%	Complete Secondary 2
Resilience	4.71	4.61	2%	4.65	4.51	3%	4.65	4.51	3%	Complete Secondar 5
Life Satisfaction	3.94	3.80	4%	3.74	3.62	3%	3.88	3.66	6%	Complete Secondary 4
Academic & School Performance	3.10	2.98	4%	2.90	2.77	5%	2.90	2.77	5%	Complete Secondary 5
the analyses; o abuse and deli	<ul> <li>effect size for nquency prever</li> </ul>	difference wation.	as low; d) effe	ect size in this s Control Group)	tudy was bet	ter than repor	ts of previous			

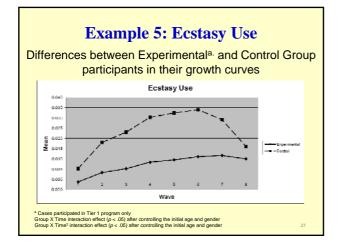






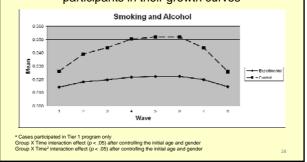






**Example 6: Smoking and Alcohol** 

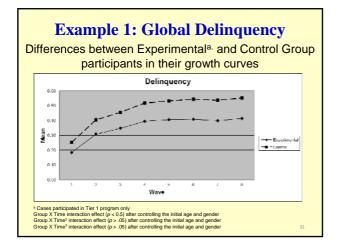
Differences between Experimental<sup>a.</sup> and Control Group participants in their growth curves

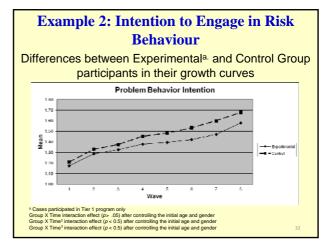


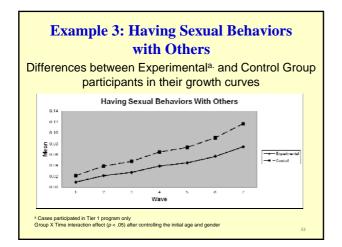
				(0 =	Never	; 6 = A	lways)				
		pleted Seconda ; No of Studen			Completed Secondary 5 (School:43; No of Students:5,934)			The largest group difference within 5 years			
Problem Behaviors	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S . students (Control Group)	Difference*	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	Time	
Overall Substance Use	0.15	0.22	47%	0.16	0.20	25%	0.15	0.22	47%	Completed Secondary 3	
Ketamine Use	0.02	0.06	200%	0.02	0.03	50%	0.02	0.06	200%	Completed Secondary 3	
Cannabis Use	0.01	0.05	400%	0.01	0.02	100%	0.01	0.05	400%	Completed Secondary 3	
Solvent Use	0.03	0.07	133%	0.02	0.03	50%	0.03	0.07	133%	Completed Secondary 3	
Ecstasy Use	0.01	0.05	400%	0.01	0.02	100%	0.01	0.05	400%	Completed Secondary 3	
Smoking and Alcohol use	0.02	0.06	200%	0.01	0.03	200%	0.02	0.06	200%	Completed Secondary 3	
use Note: a) all the analyses substance a	s; c) effect size buse and delin	for differe quency pre	nce was low vention.	nt; b) baseline to moderate; d Experimental	) effect size i	n this study w	as better than	reports of p		controlled in	

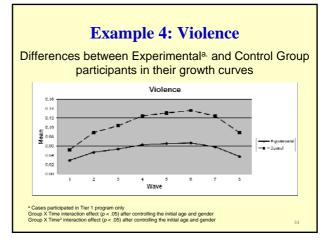


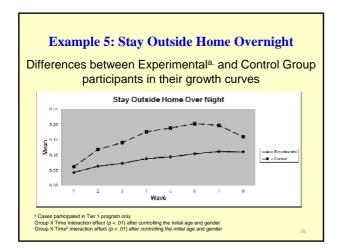
• Using delinquency and behavioral intention to engage in risk behavior as indicators, a) students in the Experimental Group (with P.A.T.H.S) had slower development than did students in the Control Group (without P.A.T.H.S); b) students in the Experimental Group who perceived the program to be beneficial to their development had slower development than did students in the Control Group.

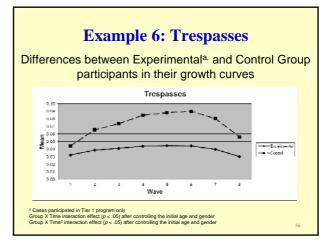












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	Completed Secondary 3 (School:43; No of Students: 6,733)			Completed Secondary 5 (School:43; No of Students:5,934)			The largest group difference within 5 years			
Problem Behaviors	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	P.A.T.H.S. students (Experimental Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	P.A.T.H.S. students (Experimenta 1 Group)	Non- P.A.T.H.S. students (Control Group)	Difference*	Time
Global Delinquency	0.43	0.55	28%	0.39	0.48	23%	0.43	0.55	28%	Completed Secondary 3
Intention to Engage in Risk Behavior	1.42	1.56	10%	1.55	1.64	6%	1.42	1.56	10%	Completed Secondary 3
Having Sexual Behaviors with Others	0.05	0.13	160%	0.09	0.16	78%	0.05	0.13	160%	Completed Secondary 3
Violence	0.06	0.14	133%	0.04	0.08	100%	0.06	0.14	133%	Completed Secondary 3
Stay Outside Home Overnight	0.11	0.25	127%	0.10	0.17	70%	0.11	0.25	127%	Completed Secondary 3
Trespassing	0.05	0.10	100%	0.03	0.06	100%	0.05	0.10	100%	Complete Secondary 3
the analyses; c) adolescent subs	erences were sta effect size for d tance abuse and (Mean of Contro	ifference wa delinquency	s low to mod prevention.	lerate; d) effect	size in this	study was be	tter than repo	rts of previo		3 trolled in

#### Conclusions • Compared with students in the Control Group, students in the Experimental Group had: a) higher levels and faster development (or slower drop) in terms of different developmental outcomes; b) lower levels and slower development (or faster drop) in substance abuse and delinquency behavior. • The Project P.A.T.H.S. protected students from risk behavior (i.e., delayed the onset of risk behavior) and it facilitated adolescent development (i.e., protective factor) • The differences were statistically significant (i.e., not probability that the differences were due to sampling error was low). • The effect size values were on par with or better than the international findings.

### **Impact of the Project** (Impact on the Education System)

- Impact on secondary schools in Hong Kong regarding holistic youth development curriculum
- Provides a useful and practical framework with over 280 schools participating in the project. About 213,000 students have joined the scheme.
- More than half of the participating schools have included the program in the formal curriculum
- Receiving excellent comments from school principals, teachers and allied professionals

### **Impact of the Project** (**Impact on Government Policies**)

- The project is regarded as an anti-poverty initiative by the Poverty Commission
- The project is regarded as a key youth enhancement initiative by the Government of the Hong Kong SAR
- The project is regarded as a key adolescent prevention program (e.g. Panel on Child Fatality Review; Task Force on Youth Drug Abuse)
- The project is listed as a program that can be used for anti-drug education in schools (Resource Kit for Teachers on Anti-Drug Education)

## Impact of the Project (Impact Outside Hong Kong)

- The project has been adapted and implemented in Shanghai for 3 years
- The project has been adapted and implemented in Macau. The Education and Youth Affairs Bureau of Macau has initiated a pilot project to test the programs.
- Trial testing has been carried out in Singapore
- It has attracted the attention of overseas colleagues and institutions (Social Research Development Group, University of Washington). The University of Washington would collaborate with the Project P.A.T.H.S. to organize an international conference in 2012. 41



附件八:\\ (初中		设計的課程作為	主線的推行模式
示例己:採用其他 為例)	團體發展的課程推行	禁寄教育(以「共創成長日	答」一 <b>赛馬會青</b> 少年培育計會
	式課後活動推行「共創 :培育計劃透過學校 育	課程、成長課程。 新 新	510-20小時 55小時 4約15-25小時
課程/其他的 基要學習經歷	主题	核心學習元素	建請活動
「共創成長路」- 賽馬會青少年培 育計劃課程結合 個人、社會及人 文 教育 學習 領	- 提升心理能力 - 提升生活技能	<ul> <li>核心課程</li> <li>1. 與健康成人和益 友的聯繫</li> <li>2. 社交能力</li> <li>3. 情緒控制和表達</li> </ul>	推行「共創成長路」一賽 需會青少年培育計劃第一 層培育活動核心課程(10 小時) 或整全課程(20小 時) http://www.paths.hk

# Impact of the Project (Impact Outside Hong Kong)

- International recognition in academic journals and academic databases
- The project has generated many publications including books, book chapters, and journals articles
- Not just for publication sake but to create a sense of success and boost up the morale of the program implementers