



Overview of Injuries in Hong Kong and Introduction on the “Safer Campus: What Can We Do?” Student Project Competition

Department of Health
Hong Kong Special Administrative
Region Government

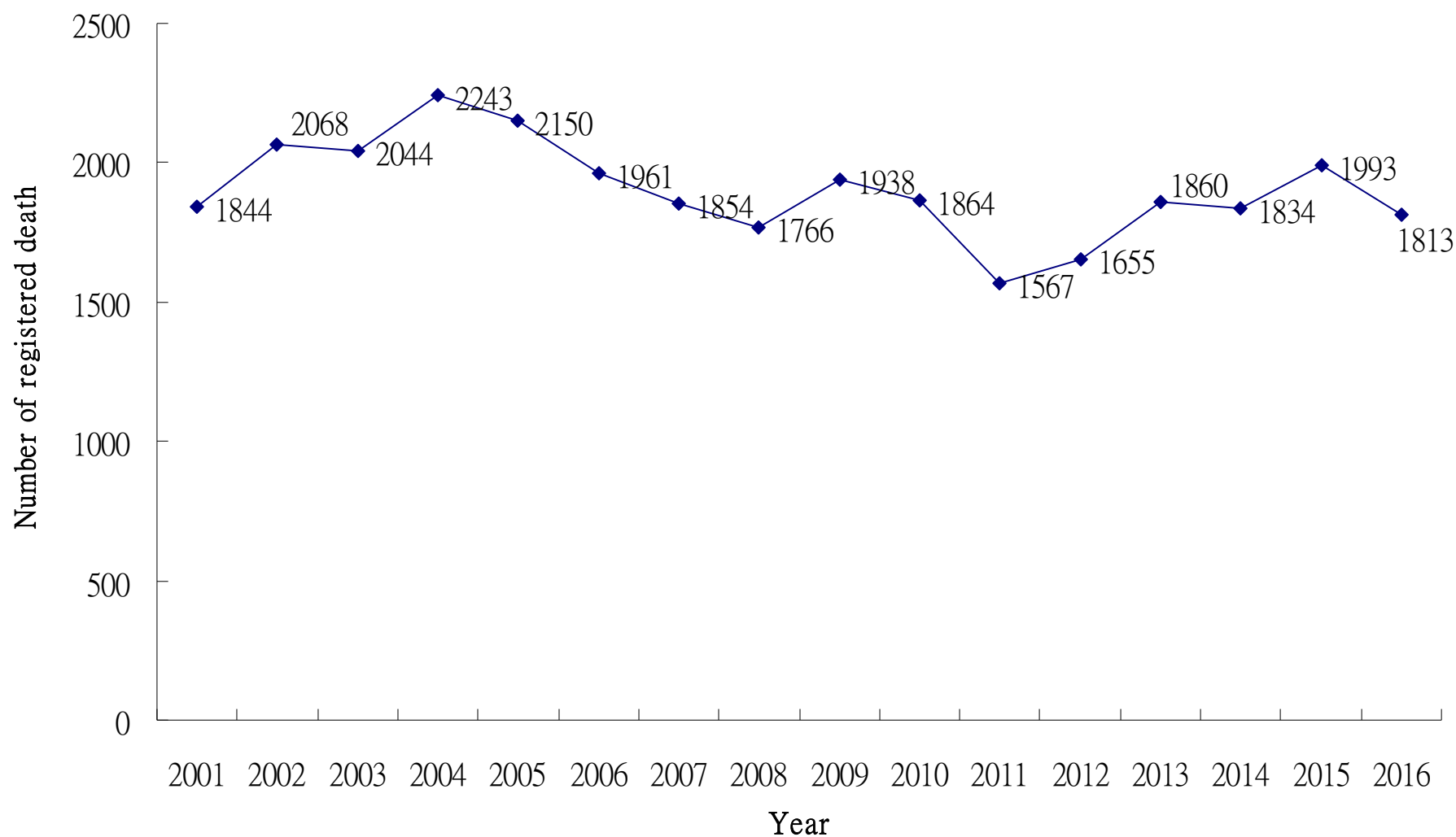


Burden (負擔) of injuries in HK, 2016

Number of registered deaths 登記死亡人數	1 813 (population = 7 377 100)
Age-standardized death rate per 100 000 standard population 每十萬人口的年齡標準化死亡率	24.7 (all) 34.8 (male) 16.1 (female)
Proportion of total registered deaths 佔所有死因的比例	3.9% 
Potential years of life lost at 75 以75歲為分界的潛在壽命損失年數	31 484 (12.7% of PYLL-75 of all causes) 
Number of in-patient discharges and deaths (HA hospitals) 住院病人出院及死亡人次	114 875 (5.3% of all in-patient discharges and deaths in public hospital)

Source: Hospital Authority. Census and Statistics Department; Department of Health

Number of registered deaths due to injuries, 2001-2016



Source: Census and Statistics Department; Department of Health

Leading causes of death in Hong Kong, 2016

	Disease group	Number of registered deaths
1	Malignant neoplasms 惡性腫瘤	14,209
2	Pneumonia 肺炎	8,292
3	Diseases of heart 心臟病	6,201
4	Cerebrovascular diseases 腦血管病	3,224
5	External causes of morbidity and mortality 疾病和死亡的外因	1,813
6	Nephritis, nephrotic syndrome and nephrosis 腎炎，腎變病綜合症和腎變病	1,706
7	Chronic lower respiratory diseases 慢性下呼吸道疾病	1,639
8	Dementia 認知障礙症	1,371
9	Septicaemia 敗血病	970
10	Diabetes mellitus 糖尿病	498

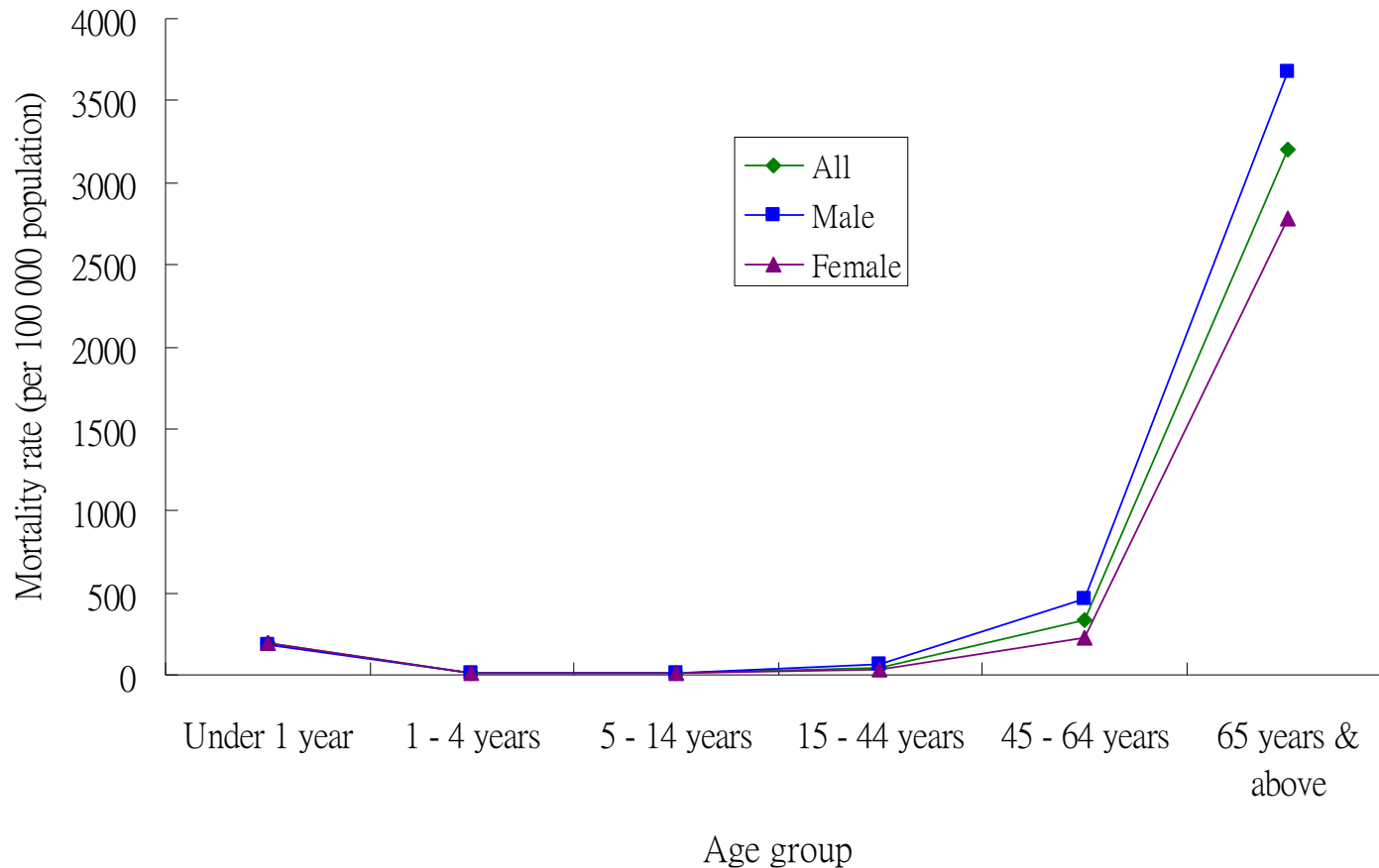


PYLL-75 caused by leading causes of death, 2016

	Disease group	Potential Years of Life Lost at age 75 以75歲為分界的潛在壽命損失年數
1	Malignant neoplasms 惡性腫瘤	110,896
2	External causes of morbidity mortality 疾病和死亡的外因	31,484
3	Diseases of heart 心臟病	26,999
4	Pneumonia 肺炎	13,562
5	Cerebrovascular diseases 腦血管病	12,595
6	Nephritis, nephrotic syndrome and nephrosis 腎炎，腎變病綜合症和腎變病	4,703
7	Septicaemia 敗血病	3,450
8	Chronic lower respiratory diseases 慢性下呼吸道疾病	3,100
9	Diabetes mellitus 糖尿病	2,178
10	Dementia 認知障礙症	409

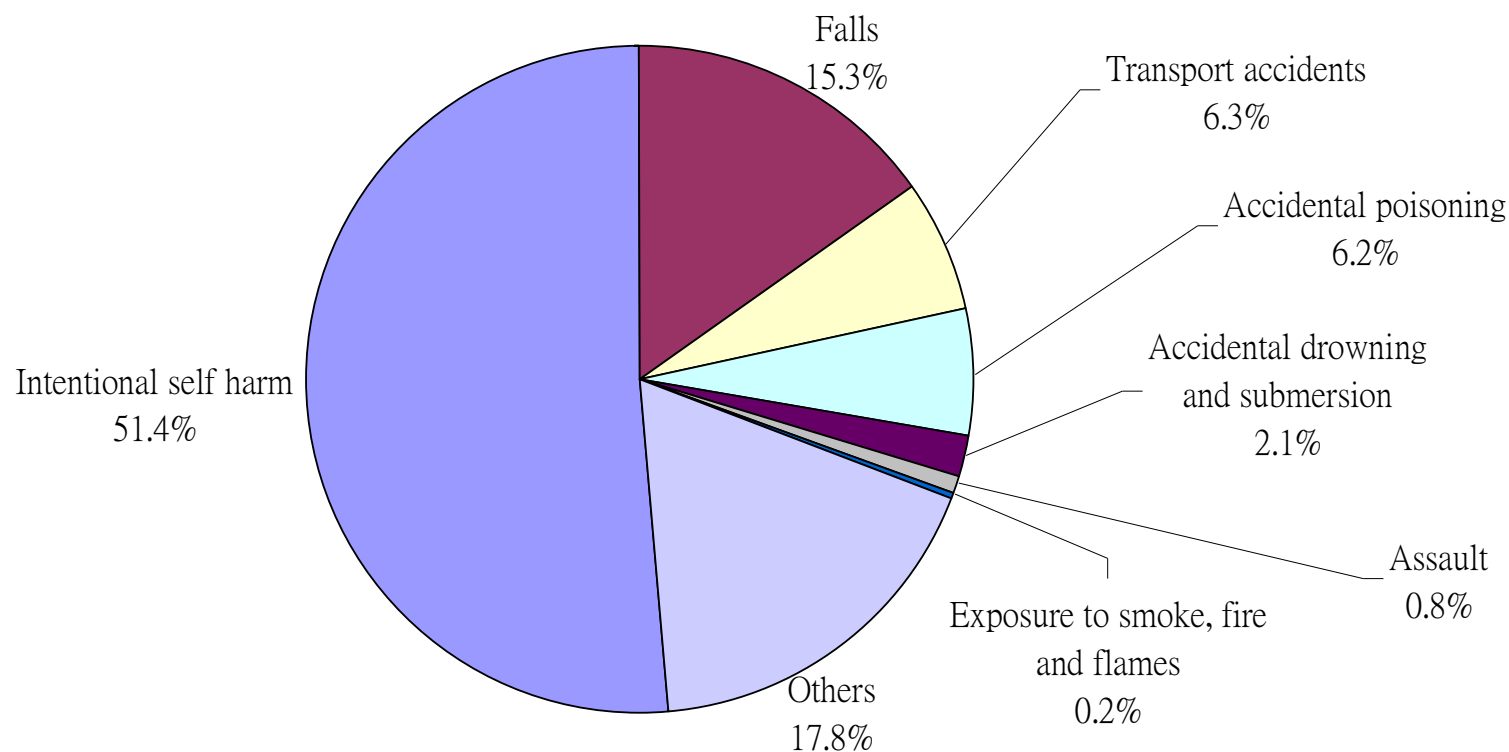


Injury mortality rate (per 100 000 population) by sex and age group, 2016



Source: Census and Statistics Department; Department of Health

Registered deaths caused by injury by injury type, 2016



Source: Census and Statistics Department; Department of Health

Classification of injuries

- **Intentional injuries**
 - Purposefully inflicted by victims themselves or others
 - e.g. suicide, homicide, assault, rape, domestic violence
- **Unintentional injuries**
 - Not intentionally inflicted
 - e.g., road traffic accidents, falls, sports injuries



Injury 損傷 ≠ Accident 意外

- ‘ Traditionally, injuries have been regarded as **random, unavoidable “accidents”** ’
- ‘ Today both unintentional and intentional injuries are viewed as **largely preventable events** ’



- WHO Injury Chart Book (2002)

- ‘ Thousands of people die on the world’s roads everyday. We are **not** talking about **random events or “accidents”** ’

- Dr LEE Jong-wook, Former Director-General, WHO (2004)

- ‘ This burden (injury and violence) is particularly tragic because much of it is **avoidable** ’

- WHO World Report on Child Injury Prevention (2008)

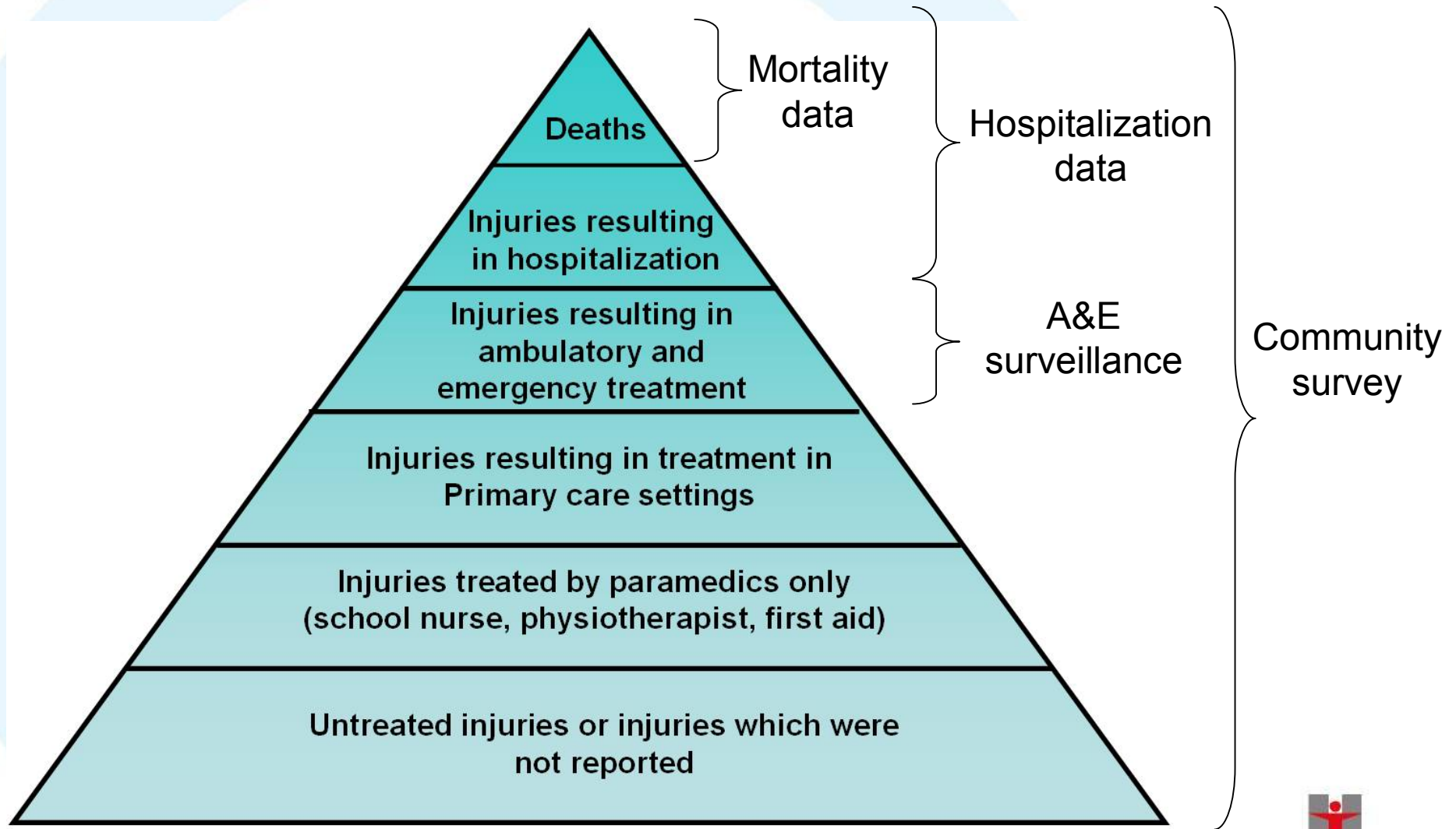


WHO definition of injury

- “physical damage that results when a human body is suddenly or briefly subjected to **intolerable levels of energy**.”
- It can be a bodily lesion resulting from acute exposure to energy in amounts that exceed the threshold of physiological tolerance, or it can be an impairment of function resulting from a **lack of one or more vital elements** (i.e. air, water, warmth), as in drowning, strangulation, or freezing”



Injury pyramid 損傷金字塔



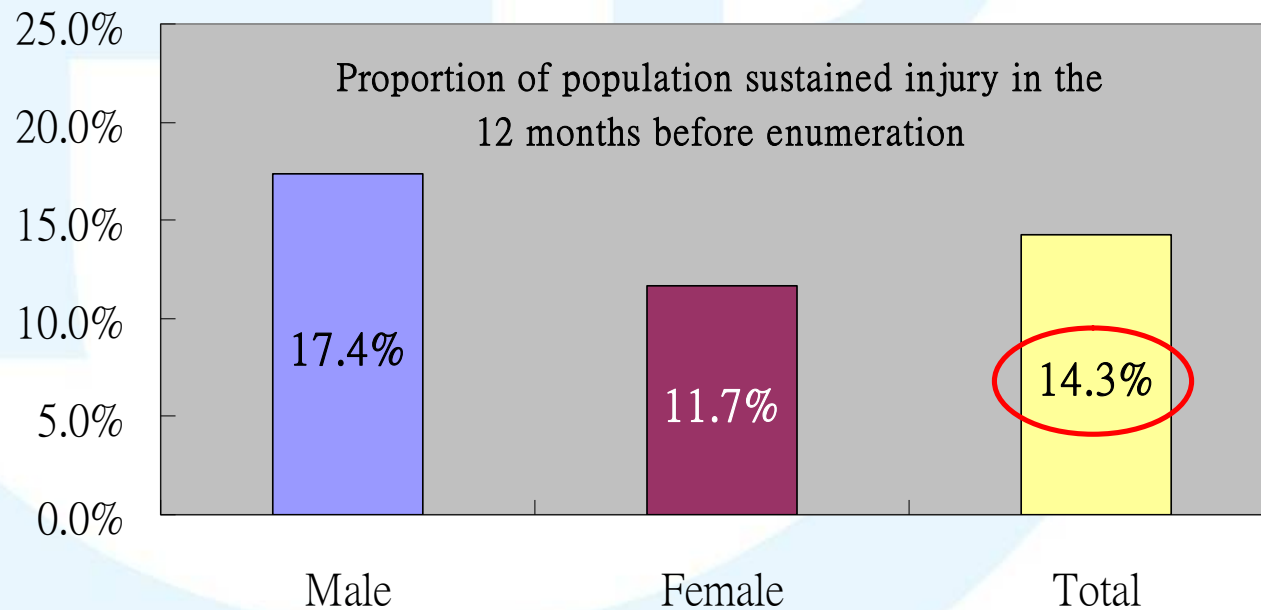
Source: World Health Organization. Training, Educating, Advancing Collaboration in Health on Violence and Injury Prevention (TEACH-VIP), 2007. Lesson 1, Core curriculum



Injury rate

(Intentional 故意 + Unintentional 非故意)

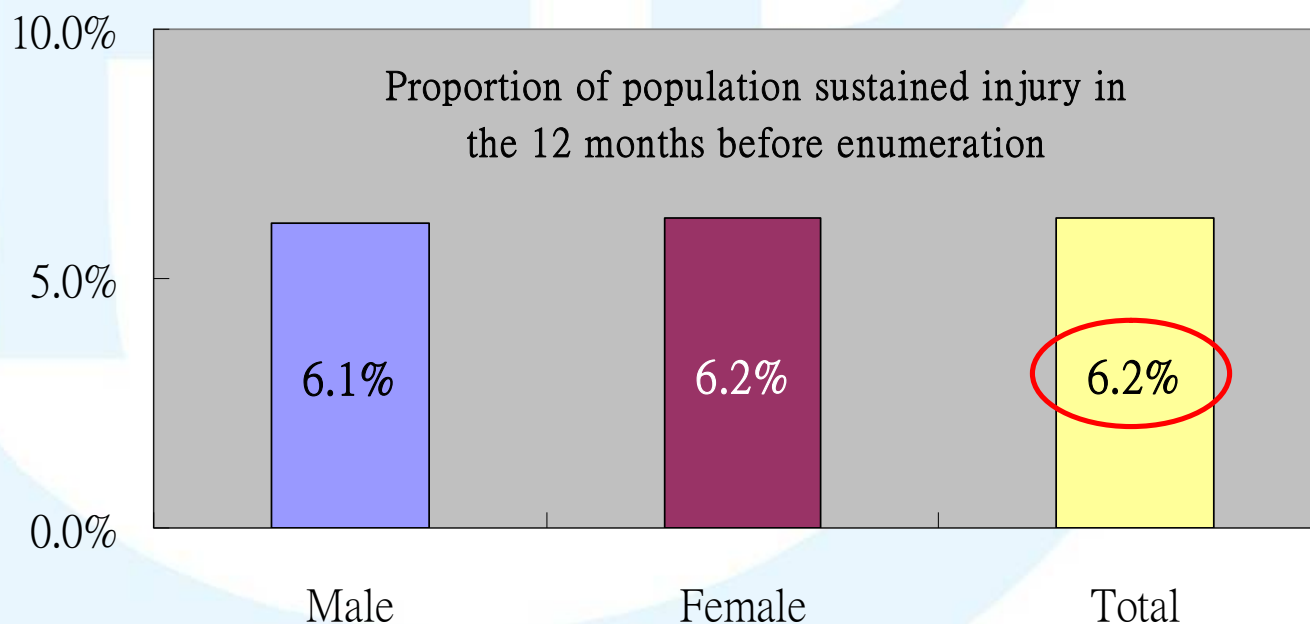
- Definition of injury
 - An injury episode that is serious enough to limit one's daily activity in the 12 months preceding the survey
- Method
 - Household survey



Source: Population Health Survey, Department of Health

Injury rate (Unintentional only 非故意)

- Definition of injury
 - An injury episode that is serious enough to limit one's daily activity in the 12 months preceding the survey
- Method
 - Household survey

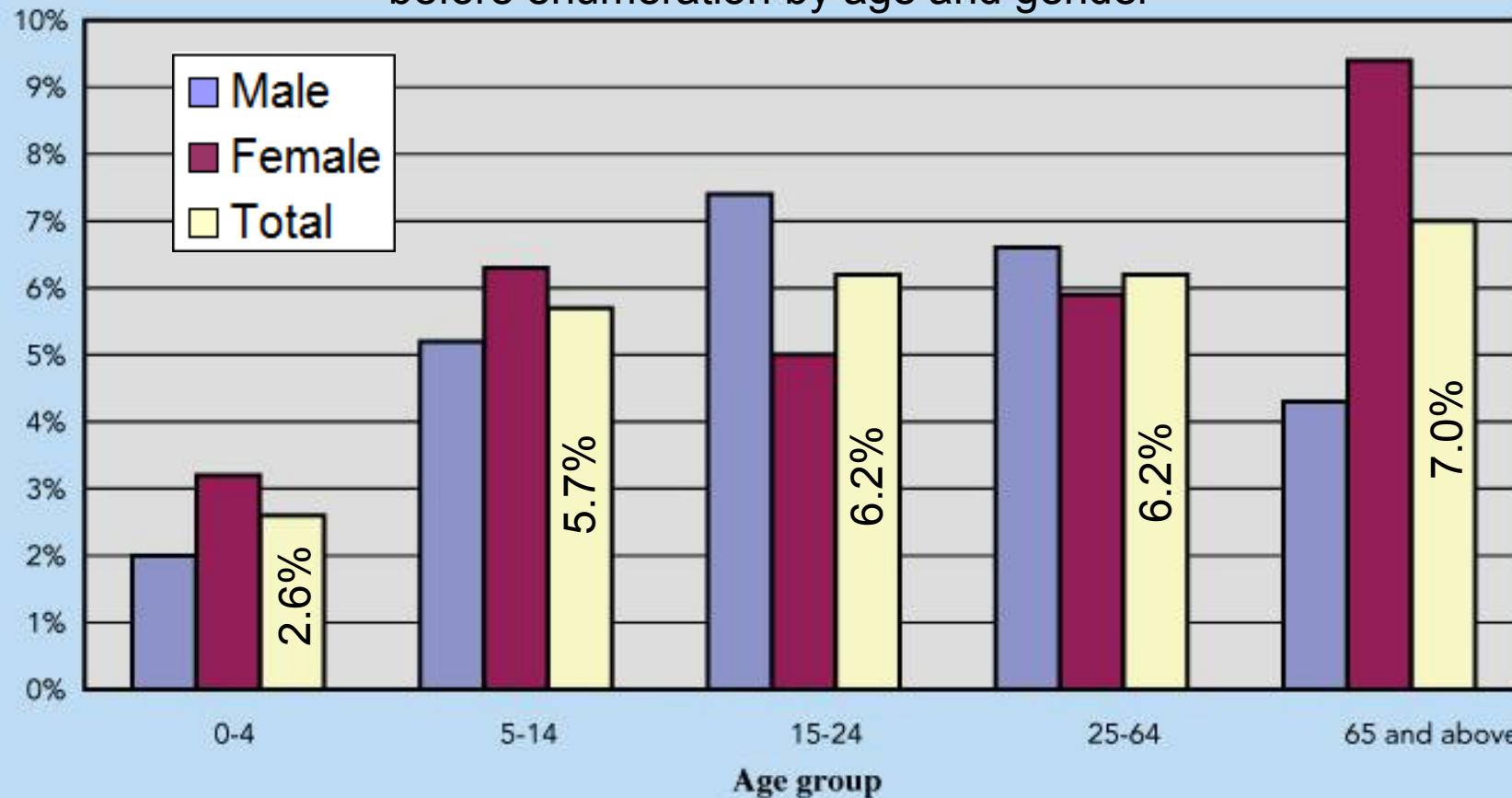


Source: Injury Survey 2008, Department of Health

Age and gender profile

(Unintentional injuries 非故意損傷)

Proportion of population sustained injury in the 12 months before enumeration by age and gender

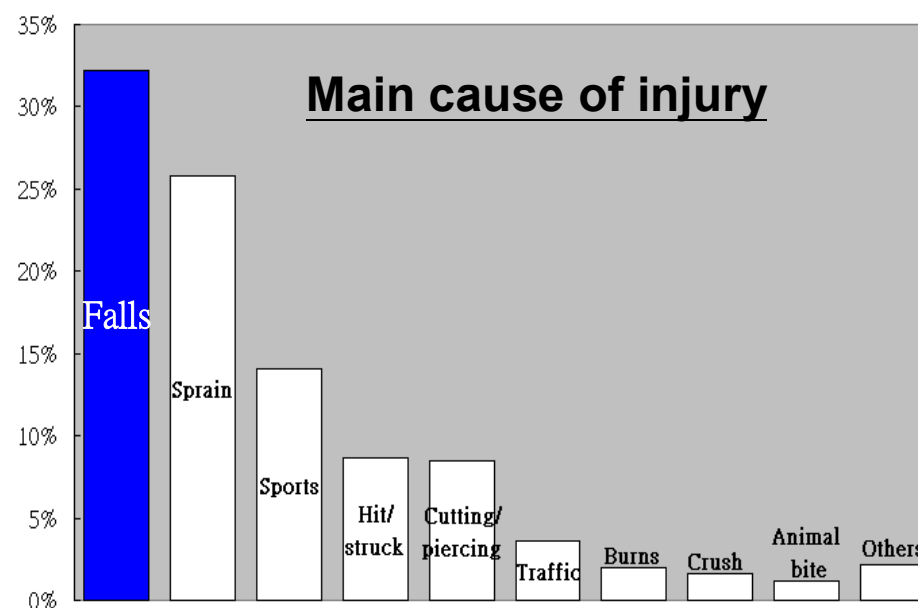


Injury Types

(Unintentional injuries 非故意損傷)

Main cause of injury episodes

Main cause of injury episodes	No. of episodes ('000)	%
Falls	148.3	32.2
Sprain	118.8	25.8
Sports	65.1	14.1
Hit / struck	39.9	8.7
Cutting / piercing	39.2	8.5
Traffic	16.5	3.6
Burns	9.2	2.0
Crush	7.2	1.6
Animal bite	5.4	1.2
Others [‡]	10.3	2.2
Total	460.0	100.0



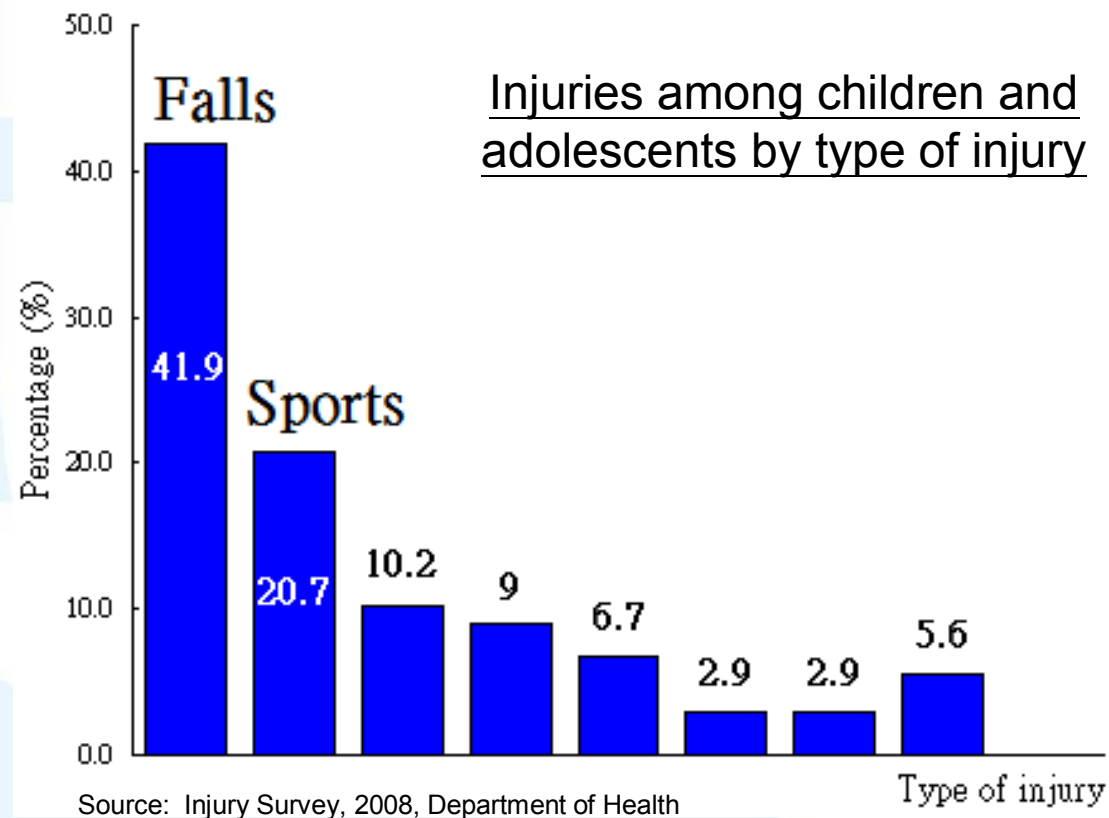
Base: Injury episodes (up to three most serious ones) sustained by the respondents in the 12 months before enumeration

Note: [‡] "Others" did not include drowning / near-drowning, poisoning and electric shock.



Causes of Injuries among children and adolescents

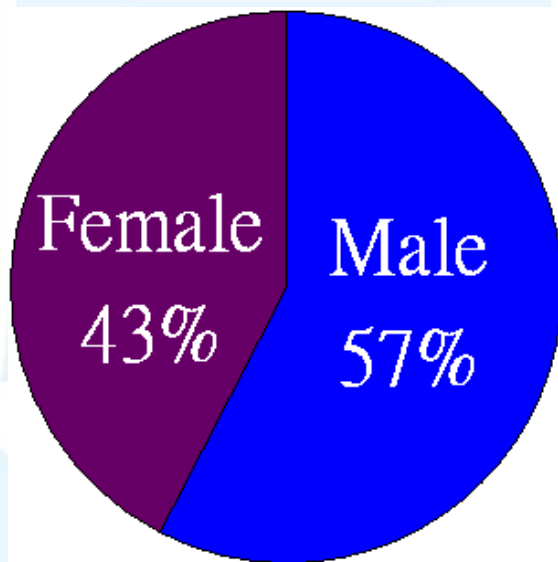
- Falls and Sports injuries
- Top causes of injury in children and adolescents
- Accounted for 41.9% and 20.7%



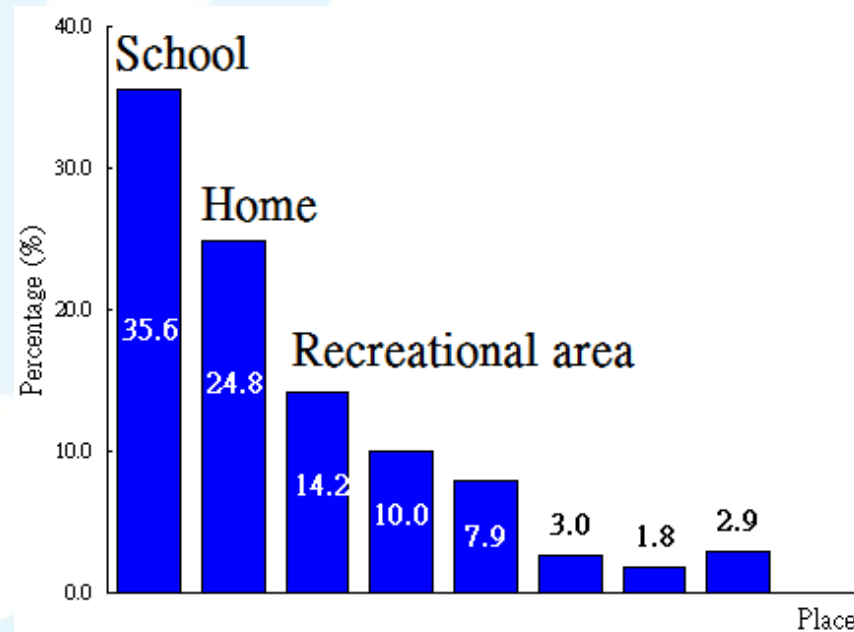
Causes of Injuries among children and adolescents

- 57% occurred in male
- 36% occurred at school and home

Injuries in children and adolescents by gender



Injuries in children and adolescent by place of occurrence



Source: Injury Survey, 2008, Department of Health

Place of occurrence of injury episodes

Place of occurrence of injury episodes	Number of injury episodes	Percentage
Home	93,961	20.4%
Transport area: public highway, street or road	81,807	17.8%
Sports or athletics area	62,123	13.5%
Recreational area, cultural area, or public building (e.g. shopping mall, restaurant, park, club house)	48,094	10.5%
School	44,479	9.7%
Others	27,913	6.1%
Commercial area (non-recreational)	27,365	5.9%
Transport area: others (e.g. bus terminal, MTR station, car park)	23,400	5.1%
Industrial or construction area	22,246	4.8%
Countryside	13,934	3.0%
Residential institution	8,068	1.8%
Medical service area	4,702	1.0%
Unspecified place of occurrence	933	0.2%
Farm or other place of primary production	929	0.2%
Total	459953	100.0%

The 5th

Source: Injury Survey, 2008. Department of Health



Childhood injuries

Place of occurrence of childhood injury episodes	0 – 4		5 – 9		10 – 14		Total	
	No. of episodes ('000)	%	No. of episodes ('000)	%	No. of episodes ('000)	%	No. of episodes ('000)	%
School or educational area	*	*	2.2	23.0	16.0	48.8	18.2	35.6
Home	7.3	82.5	2.4	25.2	3.0	9.2	12.7	24.8
Recreational area, cultural area, or public building	1.5	17.5	3.4	35.8	2.3	7.1	7.3	14.2
Transport area: public highway, street or road	*	*	1.0	10.2	4.1	12.6	5.1	10.0
Sports or athletics area	*	*	*	*	4.1	12.4	4.1	7.9
Countryside	*	*	*	*	1.4	4.3	1.4	2.7
Transport area: others (e.g. bus terminal, MTR station, car park)	*	*	*	*	0.9	2.8	0.9	1.8
Other specified place of occurrence	*	*	0.5	5.8	1.0	2.9	1.5	2.9
Total	8.8	100.0	9.5	100.0	32.8	100.0	51.1	100.0

Base: Childhood injury episodes (up to three most serious injury episodes) sustained by respondents aged 14 and below in the 12 months before enumeration

1st

Sports injuries

Place of occurrence of sports-related injury episodes	No. of episodes ('000)	%
Sports or athletics area	60.4	63.3
School or educational area	17.6	18.5
Countryside	6.8	7.1
Recreational area, cultural area or public building	6.1	6.4
Other places of occurrence	4.6	4.8
Total	95.5	100.0

Base: Sports-related injury episodes (up to three most serious injury episodes) sustained by the respondents in the 12 months before enumeration

2nd

Occupational injuries

Place of occurrence of occupational injury episodes	No. of episodes ('000)	%
Commercial area (non-recreational)	24.5	18.5
Industrial or construction area	20.9	15.8
Transport area: public highway, street or road	20.1	15.2
Recreational area, cultural area, or public building	16.4	12.4
Transport area: others (e.g. bus terminal, MTR station, car park)	12.9	9.8
Residential institution	8.1	6.1
School, educational area	7.6	5.8
Medical service area	3.5	2.6
Home	3.2	2.4
Countryside	1.9	1.4
Other specified place of occurrence	13.1	9.9
Total	132.1	100.0

Base: Occupational injury episodes (up to three most serious injury episodes) sustained by the respondents in the 12 months before enumeration

7th

Where in school did injuries happen?

Place of occurrence of injury episodes	Number of injury episodes	Percentage
Sports facility	17,692	39.8%
Classroom	6,977	15.7%
Stairs	5,227	11.8%
Corridor	4,266	9.6%
Playground	2,886	6.5%
Office	2,362	5.3%
Assembly hall	2,106	4.7%
Out of the building or grounds	1,331	3.0%
Private road	1,014	2.3%
Toilet	619	1.4%
Total	44,479	100.0%

Base: Injury episodes which occurred in schools
 Source: Injury Survey 2008. Department of Health

Are injuries preventable?

Proportion of population aged 15 or above who agreed that unintentional injury was preventable by gender

	Female		Male		Total	
	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%
Agree	2 591.1	81.4%	2 310.6	79.8%	4 901.7	80.6%
Disagree	593.9	18.6%	584.6	20.2%	1 178.5	19.4%
Total	3 185.0	100.0%	2 895.2	100.0%	6 080.2	100.0%

Source: Population Health Survey 2014/15. Department of Health



Adoption of safety precaution

Proportion of population aged 15 or above who had done something or taken precautions to prevent unintentional injury by gender

	Female		Male		Total	
	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%
Yes	1 250.3	39.3%	1 203.7	41.6%	2 454.0	40.4%
No	1 934.7	60.7%	1 691.5	58.4%	3 626.2	59.6%
Total	3 185.0	100.0%	2 895.2	100.0%	6 080.2	100.0%

Proportion of population aged 15 or above who had done something or taken precautions to prevent unintentional injury by age group

	15-24		25-34		35-44		45-54		55-64		65-74		75-84		85 or above		Total	
	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%
Yes	263.6	32.9%	385.2	40.1%	409.1	40.1%	514.0	43.4%	440.6	41.3%	225.3	39.9%	149.5	42.4%	66.8	51.1%	2 454.0	40.4%
No	538.0	67.1%	576.2	59.9%	612.1	59.9%	669.0	56.6%	624.9	58.7%	338.7	60.1%	203.2	57.6%	64.0	48.9%	3 626.2	59.6%
Total	801.6	100.0%	961.4	100.0%	1 021.2	100.0%	1 183.0	100.0%	1 065.5	100.0%	564.0	100.0%	352.7	100.0%	130.8	100.0%	6 080.2	100.0%



Adoption of safety precaution

Precautionary measures taken in the 12 months preceding the survey by gender

	Female		Male		Total	
	No. of persons ('000)	%	No. of persons ('000)	%	No. of persons ('000)	%
Being more careful	1 148.3	91.8%	1 076.8	89.5%	2 225.1	90.7%
Using protective gear	305.0	24.4%	433.3	36.0%	738.3	30.1%
Took safety training	39.6	3.2%	167.4	13.9%	207.0	8.4%
Install personal emergency (PE) link	25.2	2.0%	9.8	0.8%	35.0	1.4%
Do warm-up / stretching exercises	2.8	0.2%	8.1	0.7%	10.9	0.4%
Others	2.0	0.2%	0.6	<0.05%	2.6	0.1%

Base: The respondents who had done something or taken precautions to prevent unintentional injury in household or workplace in the 12 months preceding the survey.

Notes: Multiple answers were allowed.

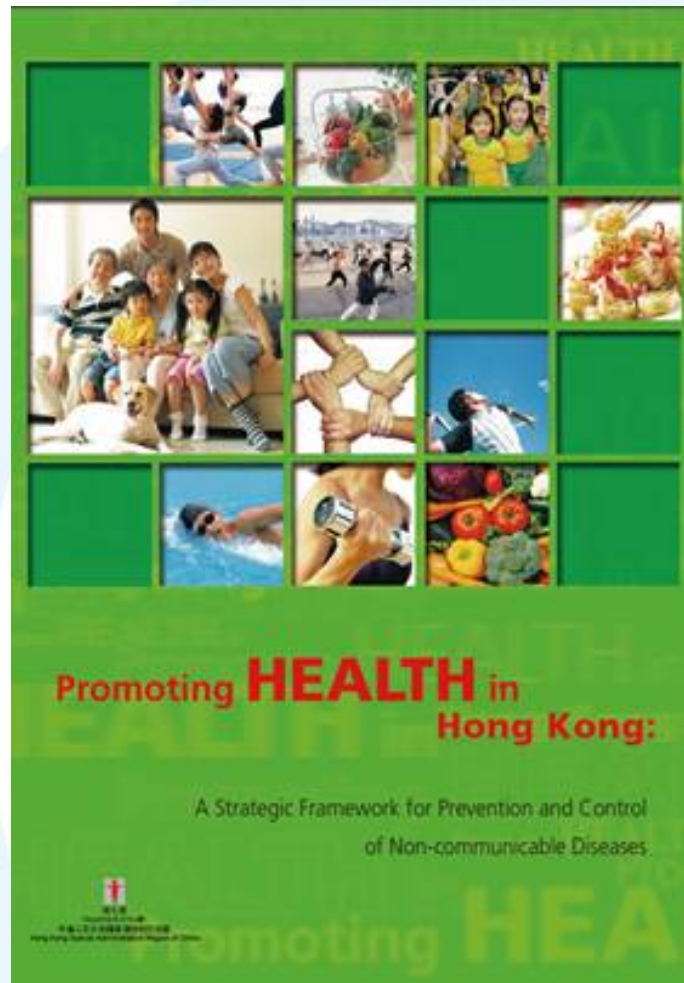
Figures may not add up to the total due to rounding.

Source: Population Health Survey 2014/15. Department of Health



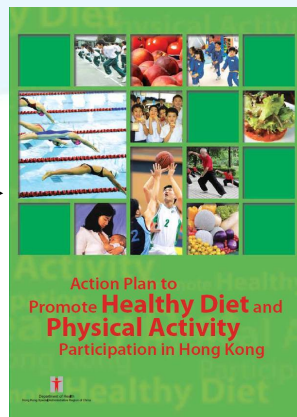
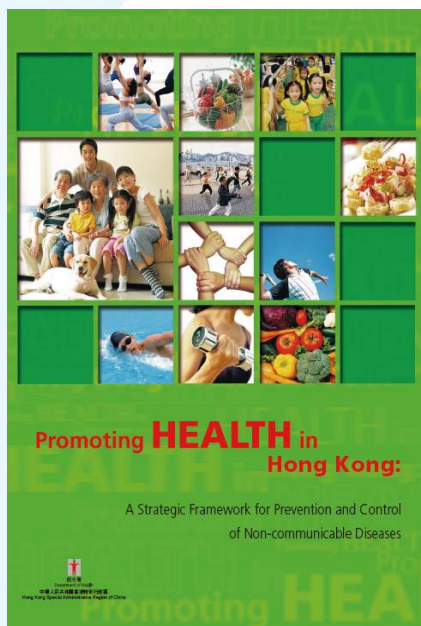
Steering Committee on Prevention and Control of NCD 防控非傳染病督導委員會

- SFH as chair
- Members from the Government, public and private sectors, academia, professional bodies, business and other key players



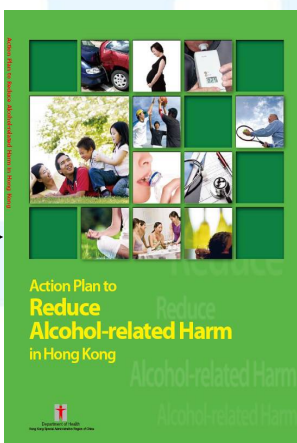
- 2008
- Comprehensive strategy
- Sets goals for NCD prevention





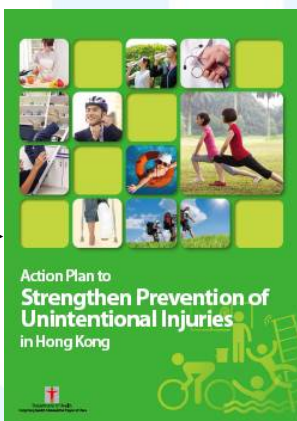
Action Plan to Promote Healthy Diet and Physical Activity Participation 香港促進健康飲食及體能活動參與行動計劃書

- By Working Group on Diet and Physical Activity
- Launched in September 2010
- Goal: Halt the rising tide of overweight/obesity



Action Plan to Reduce Alcohol-related Harm 香港減少酒精相關危害行動計劃書

- By Working Group on Alcohol and Health
- Launched in October 2011
- Goals: Create a sustainable environment to reduce alcohol-related harm; General public can make informed choices about alcohol consumption; Reduce burden of alcohol-related harm



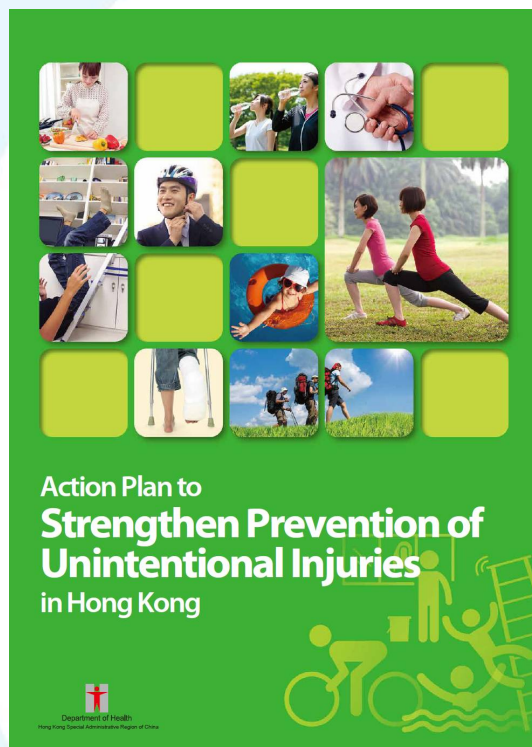
Action Plan to Strengthen Prevention of Unintentional Injuries 香港加強預防非故意損傷的行動計劃書

- By Working Group on Injuries
- Launched in February 2015
- Goals: Strengthen injury surveillance; Raise public awareness of injury prevention; Empower the public to make informed choices; Reduce the burden of injuries in Hong Kong

Action Plan to Strengthen Prevention of Unintentional Injuries in Hong Kong



Goals of the Action Plan



- To strengthen injury surveillance by building a sustainable injury surveillance system;
- To raise public awareness of injury prevention by strengthening risk communication;
- To empower the public to make informed choices on injury prevention; and
- To reduce the burden of injuries in Hong Kong.

4 Priority Areas

- Falls 跌倒
- Drowning 淹溺
- Sports injuries 運動損傷
- Domestic injuries 家居損傷





邁 TOWARDS 向 2025

香港非傳染病防控策略及行動計劃
Strategy and Action Plan to
Prevent and Control NCD in Hong Kong



在二零二五年或之前須實現的九項本地目標：

The 9 Local Targets by 2025:



減少市民因罹患非傳染病而早逝的情況
Reduce premature mortality from non-communicable diseases



減少酒精相關危害
Reduce harmful use of alcohol



減少體能活動不足
Reduce physical inactivity



減少鹽攝入量
Reduce salt intake



減少吸煙
Reduce tobacco use



遏止市民的高血壓患病率上升
Contain the prevalence of raised blood pressure



制止糖尿病及肥胖問題上升
Halt the rise in diabetes and obesity



透過藥物治療及輔導服務來預防心臟病和中風
Prevent heart attacks and strokes through drug therapy and counselling



為市民提供可負擔用作治療主要非傳染病的基本設備和必需藥物
Improve availability of affordable basic technologies and essential medicines to treat major non-communicable diseases



[change4health.
gov.hk](https://change4health.gov.hk)



衛生署
Department of Health



衛生署
Department of Health

教育局
Education Bureau



職業安全健康局
OCCUPATIONAL SAFETY & HEALTH COUNCIL



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



香港中文大學
The Chinese University of Hong Kong

“Safer Campus: What Can We Do?” Student Project Competition

「令校園更安全 – 我們可以做什麼？」
學生專題研習比賽



- **Preamble**

- Environmental risk assessment and modification to make schools safer provide active and passive protection against injury occurrence
- Creating and promoting safe and healthy campus environments can prevent injury from happening

- **Objective**

- To raise secondary school students' awareness of safety through participating in the project competition and enhancing their alertness of injury by strengthening their knowledge on prevention

- **Target participants**

- Secondary students from all grades in secondary schools are welcome to participate



- **Task for students**

- (1) hazard identification

- Students enrolled for the competition will be equipped with the skills of applying a risk assessment tool, which will be used for identifying hazard(s) in their schools

- (2) environmental modification

- With aid of the assessment results, participants can then tailor environmental modification intervention for these hazards identified

- **Deliverable for the competition**

- A report of no more than 20 pages (including text, photo, graphics and multimedia), in either English or Chinese
- Optional: design model, computer graphics or video for illustration purpose



- Important dates

Dates	Event
31 Oct 2018	Deadline for submission of enrolment form
10 Nov 2018	Training session
29 Mar 2019	Deadline for submission of report
15 Apr 2019	Announcement of adjudication result (first round) and invite 10 finalists to present at the second round adjudication
May / June 2019	Second round adjudication and award presentation ceremony

- **Criteria for selecting winning projects**

- innovation
- understanding and identification of the potential hazard(s)
- effectiveness in improving the safety performance through the design or modification process
- practicability (including follow-up of implementation, if an intervention has already been implemented in the school)
- marketing strategies and quality of entry materials

- **Adjudication**

- A panel of judges composed of representatives from wide diversity of background, working in a blind judging process, will assess and select outstanding concepts which demonstrate insight, creativity, practicality and research back-up, to award a total of 10 prizes to the teams



• Prizes

Prizes	Quantity	Gift
Winner	1	Book coupon (\$5,000) + Trophy + Certificate
1 st runner-up	1	Book coupon (\$3,000) + Trophy + Certificate
2 nd runner-up	1	Book coupon (\$2,000) + Trophy + Certificate
Meritorious	7	Book coupon (\$500) + Certificate (Merit)
All participants	All participants	Certificate of participation

*A certificate of participation will be given to each student enrolled for the competition. The certificate will state the number of hours that the student spent in the event, which can facilitate schools to estimate the number of hours of ‘Other Learning Experience’ (OLE)

• Result announcement and award presentation

- Award will be presented to winning teams on the day of second adjudication
- A featured article will be advertised on the Education Section of the Sing Tao Daily for announcing the list of winning teams



Application

 衛生署
Department of Health

 教育局
Education Bureau

 職業安全健康局
Occupational Safety & Health Centre

 THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

 香港中文大學
The Chinese University of Hong Kong

「令校園更安全 – 我們可以做什麼？」學生專題研習比賽
"Safer Campus: What Can We Do?" Student Project Competition

報名表 Enrolment Form
(截止報名日期：2018 年 10 月 31 日)
Deadline for enrolment : 31 October 2018)

學校名稱 / Name of school : _____

負責老師 / Teacher-in-charge : _____

聯絡電話 / Contact Tel. No. : _____

電郵 / Email : _____

學生姓名 Name of student	年級 Class level	電郵 Email	出席 2018 年 11 月 10 日舉行的 訓練課程 (請加上'✓') Attend the training session on 10 November 2018 (please '✓')

個人資料收集聲明
於本報名表內所填報的個人資料，會供教育局及衛生署作「令校園更安全 – 我們可以做什麼？」學生專題研習比賽的申請、評審、聯絡及其相關活動之用。提供表格內所提供的個人資料與否自願性質，根據《個人資料(私隱)條例》的規定，閣下有權要求查閱及改正已提供的個人資料，查閱權或指取得本表格內關於其個人資料部份的副本。

Personal Information Collection Statement
The personal data collected in this application form will be used by the Education Bureau and the Department of Health for the purpose of application, assessment and communication in relation to the "Safer Campus: What Can We Do?" Student Project Competition and its related activities. The provision of personal data in this form is voluntary. Under the Personal Data (Privacy) Ordinance, you have a right to request access to, and to request correction of, your personal data in relation to your application, including the right to obtain a copy of your personal data provided by this form.

注意事項 Notes :

- (1) 比賽詳情請參閱：
https://www.change4health.gov.hk/whats_new/events/index_id_8427.html
Details of the competition is available at:
https://www.change4health.gov.hk/en/whats_new/events/index_id_8427.html
- (2) 每隊填寫一張報名表，每校可派多於一隊學生參賽。
One form for each team, a school can nominate more than one team.
- (3) 學生姓名將用作印製參加證書。
Name of student will be used for printing the 'Certification of Participation'.
- (4) 每隊最少一半成員須完成 2018 年 11 月 10 日 (星期六) 舉行的訓練課程，否則該隊將被取消參賽資格。
All enrolled students are invited to attend a training session on 10 November 2018 (Saturday). At least half of the students in each team shall complete the training session, otherwise the team will be disqualified.
- (5) 訓練課程細節
日期及時間：2018年11月10日 (星期六) 下午二時至五時
地點：九龍塘沙福道19號教育局九龍塘教育服務中心西座四樓演講廳
內容：學習如何識別校園內的危害和風險，應用風險計算及評估工具，以減低或進而消除風險
Details of the training session
Date and Time: 10 November 2018 (Saturday), 2 p.m. to 5 p.m.
Venue: Lecture Theatre, 4/F, West Block, Education Bureau, Kowloon Tong Education Services Centre, 19 Suffolk Road, Kowloon Tong
Content: Identification of hazards and risks in school, application of tools for risk calculation and assessment to achieve risk reduction or better still, elimination
- (6) 請把填妥的表格以電郵 (pse_dp2@dh.gov.hk) 或傳真方式 (傳真號碼：2575 4110) 交回衛生署 (聯絡人：李君良先生，項目行政支援；電話：2961 8811)。
Completed enrolment form should be returned to Department of Health by email at pse_dp2@dh.gov.hk or by fax at 2575 4110 (Attn: Mr John LEE, Programme Support Executive; Phone: 2961 8811).
- (7) 如有查詢，請聯絡衛生署科學主任容雨豐博士 (電話：2961 8639；電郵：so_dp5@dh.gov.hk)。
For enquiry, please contact Dr Albert YUNG, Scientific Officer of Department of Health at 2961 8639 or by email so_dp5@dh.gov.hk.

www.change4health.gov.hk

Thank you

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