

Translating tobacco related research into public health actions

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Research in Hong Kong started in mid 1970s

- First HK paper on smoking and lung cancer 1979 (*Doll & Hill 1950*)
- First 2 papers on passive smoking and lung cancer, Japan and Athens 1981
- First HK paper on passive smoking and lung cancer showed no association 1982
- 1992, US EPA report: 4 HK papers on passive smoking and lung cancer, excess risk 48%



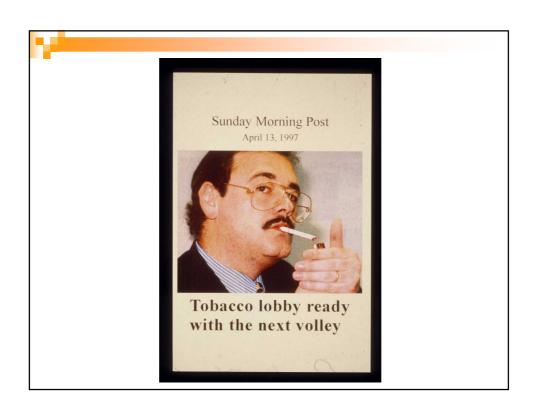
Tobacco deaths in HK (1)

September 8, 1995 Mackay J

"According to government estimates, cigarettes kill over 3,500 people every year" (SCMP)

September 11, 1995 Fletcher RJ, Tobacco Institute of Hong Kong Ltd

" 'government estimates' represent nothing more than the result of an exercise in mathematical speculation undertaken by Professor Mackay and her colleagues, and need to be understood as such"



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Robert Fletcher, Tobacco Institute of HK

COSH's move to use the investigation (US EPA report) to support its campaign "was misleading and did not take into account the facts". (SCMP, Jan 8, 1993)

The Tobacco Institute vows to sue the Government if it follows the lead of other countries and introduces a ban (on advertising and sponsorship)

(SCMP, April 12, 1997)



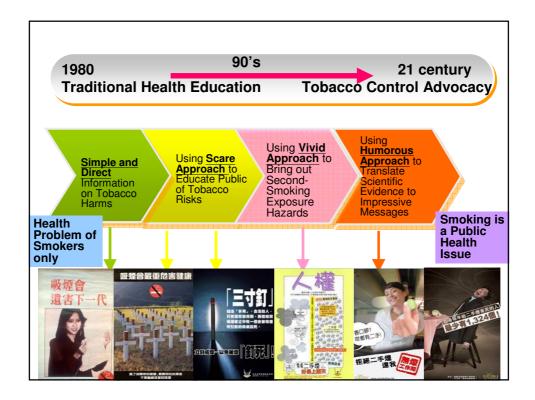
Tobacco deaths in HK (2)

Tsang HF, Department of Health, 1995
5682 (18.9%) of 30,222 deaths in 1993 were attributed to smoking (based on US risk estimates)

(HK Practitioner)

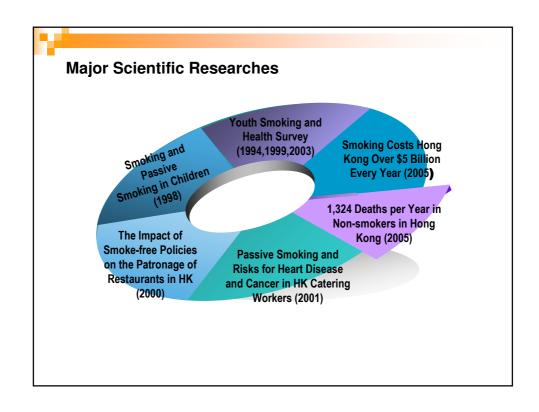
Lam TH, et al, HKU, DH, U of Oxford, 2001 5720 (18.2%) of 31349 deaths in 1998 attributable to smoking, based on HK Death Registry study

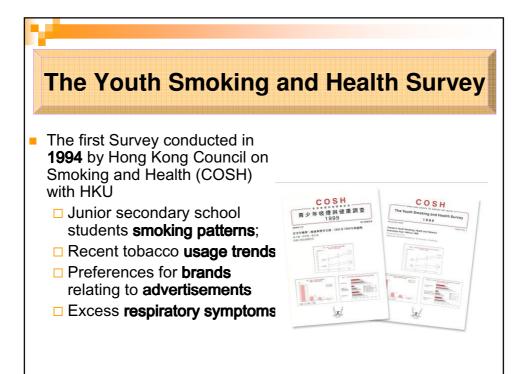
(BMJ)



Tobacco Control Strategy Based on Scientific Research

- For many years, The University of Hong Kong has been collaborating with the Hong Kong Council on Smoking and Health and various bodies to <u>conduct a series of</u> <u>local scientific research</u> on second hand smoke effects on different groups of people
- Apart from confirming the results with those elsewhere, these local studies also revealed the public demand and pressing need for tightened tobacco control policy in Hong Kong, hence the pressing need for Government in implementing stringent tobacco control measures.



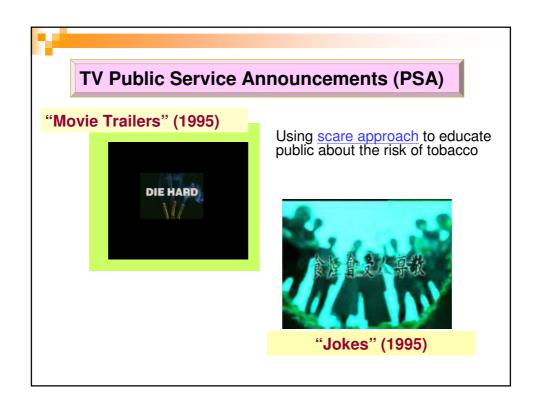


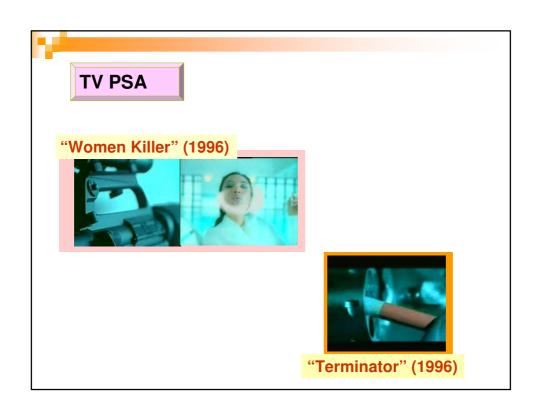


- Smoking prevalence <u>increased</u> in both males and females
 Most striking **in junior forms**.
- Brand preferences in relation to the attractiveness of advertisements increased smoking
- Student smokers and passive smokers had more respiratory symptoms

Tobacco industries make use of the loopholes in law and continue to promote tobacco products. The government should **consider stricter control on tobacco promotion and advertising.**







Smoking and Passive Smoking in Children



- Published in 1998 June,
 COSH and HKU publicized a survey on Hong Kong primary
 3-6 children.
- To study association between
 - □ Active and passive smoking
 - □ Risks of reparatory illness.

Research Outcomes

- Even <u>short</u> smoking duration
 - □→ More respiratory symptoms;
- More exposed to SHS
 - □→ More respiratory symptoms;

Urgent needs to create a smoke-free environment, including home and public places, so as to protect the children.

The Hong Kong Children's Charter - "We Sign Campaign"

On the World No Tobacco Day in1998, COSH launched the charter to affirm that children have the right to be free from smoking.





Smoking in the Young Working Population in Hong Kong

- This study was by
 - ☐ The Department of Community Medicine of the University of Hong Kong
 - COSH
 - ☐ The Hong Kong Occupational Safety and Health Council
- >10,000 persons aged 15 years and above.
- Released at a press conference on 10 May 1999.

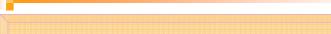


- Smoking was serious in the young working population (age 15-19)
- Banning smoking in the workplaces
 - ☐ Help to reduce smoking in young people.

The study recommended

- •Banning of smoking in the workplace,
- •Strengthening of health education
- Providing smoking cessation services





Public Opinion on Smoke-free Restaurants

- The 1st restaurant-related smoke-free provisions of the new ordinance came to effect in
- To understand the public's opinion, awareness and attitude on the new ordinance, Department of Community Medicine, The University of Hong Kong commissioned by COSH to conduct a telephone interview
- In March 2000, COSH and HKU published the report







Research Outcomes

- High exposure to environmental tobacco smoke (ETS) in restaurants.
- The law was: insufficient and ineffective in protecting people from ETS exposure in restaurants.
- Most people would
 - □ Go more often to restaurants with non-smoking areas,
 - □ Choose to eat in non-smoking areas.

Only through total smokefree legislation, the health of customers and restaurant staff can be further protected.

Passive Smoking and Risks for Heart Disease and Cancer in Hong Kong Catering Workers

- Survey conducted by
 - Department of Community Medicine, University of Hong Kong;
 - Department of Community and Family Medicine, Chinese University of Hong Kong,
 - COSH
- Urine samples for cotinine as an indicator of passive smoking in nonsmokers;
- Combined working-lifetime risks for heart disease and lung cancer.

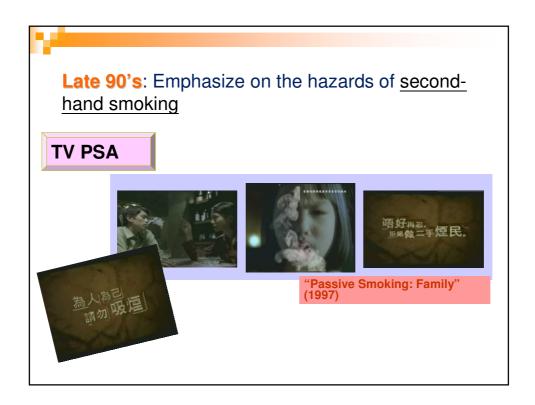
In May 2001, COSH and HKU published the report

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Research Outcomes

- Average catering worker
 - □ Exposed to second-hand smoke at work:
 - □ Over a 40-year working lifetime.
 - □ →3% combined excess risk for heart disease and lung cancer death
- This excess risk would lead to a total of 6,000 deaths; 150 per year.
- Ventilation engineering offers no practical solutions

Only cost-effective methods: introduce total smoke-free regulations







- Smoking ban
 - □ Generate new business
 - □ By a large margin.
- Consistent with overseas findings.
- Overwhelming <u>demand for smoke-free catering</u>.

Reinforces the public's plea for **legislation** of a total smoking ban in restaurants.

Second hand smoke in restaurants are hazardous to health of both staff and patronage.

World's First Discovery: Second-Hand Smoke Increases Stroke Death by 50% in Non-smokers

- A study carried out by
 - Department of Community Medicine and School of Public Health, Faculty of Medicine, HKU,
 - Department of Health
 - □ University of Oxford.
- Medical Journal (BMJ), one of the world's leading weekly medical journals, on 27 January 2005.





- Passive smoking
 - □ An important <u>preventable cause of deaths from</u> stroke.
 - Much increased risk of serious and lifethreatening diseases
- 1,324 deaths per year in non-smokers from heart, cancer, stroke and lung diseases

Smoking Costs Hong Kong Over \$5 Billion Every Year: First Report of a Comprehensive Assessment in Asia

- Carried out from 2000 to 2004 in Hong Kong
- The report focused on mortality and morbidity costs due to active smoking and passive smoking, including
 - ☐ Health care use
 - □ Productivity losses from time off work
 - □ Premature death.
- By the Department of Community Medicine and School of Public Health, Faculty of Medicine, The University of Hong Kong on 24 February 2005.



Does other People's Second Hand Tobacco Smoke Harm the Health of Smokers?

The University of Hong Kong, School of Public Health and Department of Community Medicine, led by Professors TH Lam and AJ Hedley and Dr LM Ho, are the first in the world to report their findings in a renowned international refereed journal <u>Tobacco Control</u> in October 2005.



Source:

http://web3.hku.hk/facmed/hkumed/ news_search.php



Research Outcomes

- The higher SHS exposure of smokers,
 - □ ↑ Acute and chronic respiratory symptoms,
 - □ ↑ Utilisation of health care resources.
- Smokers were seriously harmed by sidestream smoke.
- <u>Extends</u> children and non-smokers' <u>protection to include</u> smokers.
- Smokes in smoking rooms cause additional harm to smokers.
- Ventilation system and smoking rooms are unsafe.
- Tobacco control policy should not include "compromising" regulations.



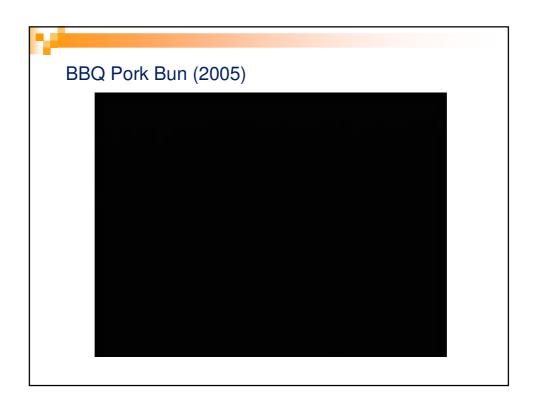
21st Century:

Translating Scientific Evidence to Impressive Messages

- The message "every year at least <u>1,324</u> people die from second-hand smoking"
- Based on a scientific research "Second-hand Smoke Increase Stroke Deaths by 50% in Nonsmokers" conducted by the University of Hong Kong.
- Three PSA: "Second Hand Gum", "Second Hand Tooth Pick", "BBQ Pork Bun" were used to raise awareness on the health hazards of secondhand smoking.









"Smoking (Public Health) (Amendment) Ordinance 2006"

19 Oct 2006

The Third Reading of the "Smoking (Public Health)(Amendment) Bill 2005" was passed by the LegCo, expanding the statutory No-Smoking Areas to include but not limited to indoor workplaces, restaurants and public pleasure grounds.





21st Century:

Using <u>creative approach</u> to translate the research evidence into a impressive message

"Winning" 2008

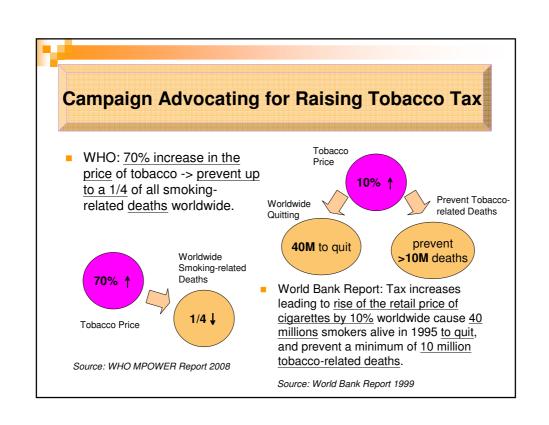


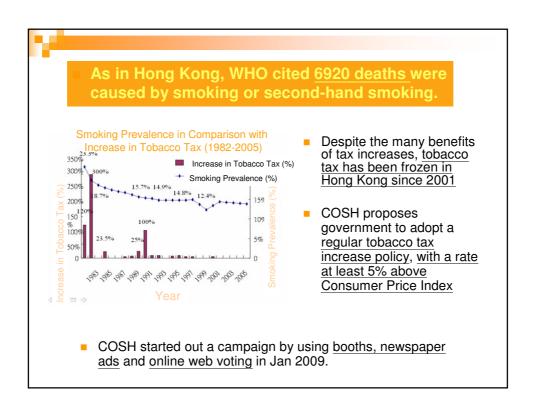
New regulation implemented on Jan 1, 2007, public can enjoy smoke-free environment in more areas.

→ Overseas studies shows more cessation.

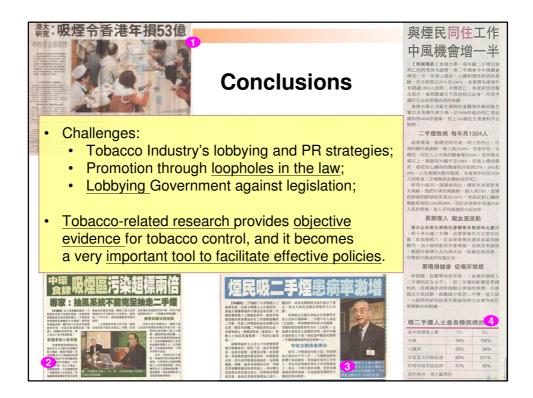
COSH launched a new series of PSA to promote cessation.











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