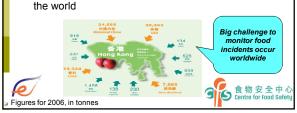


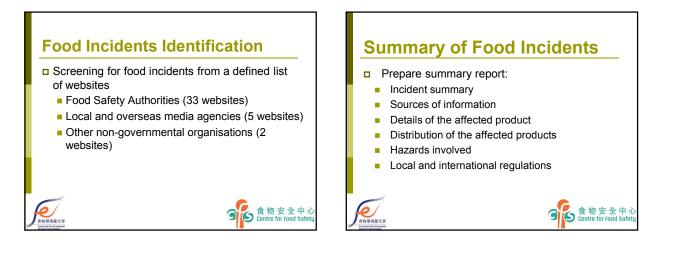


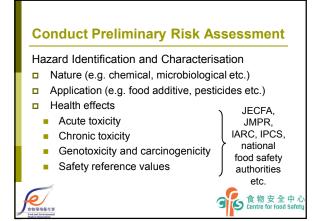
Food Incidents Monitoring (1)

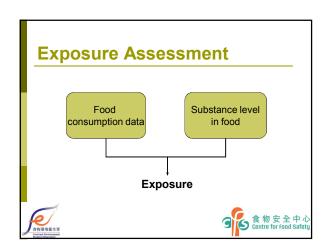
- Free port
- Little local food production
- Over 95% of food consumed is imported
- Large volume and variety of food from around







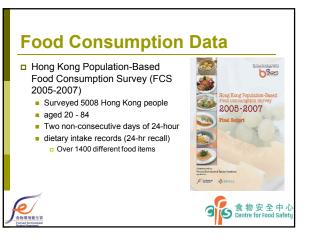




Food Consumption Survey

- To collect population-base food consumption information
 e.g. type and amount of food consumed
- Provide data for risk assessment and dietary assessment-
 - allow quantitative evaluation of the population's exposure to the hazard concerned via consumption of the food involved
 - nutrient intake of the population could be estimated in combination with food composition data





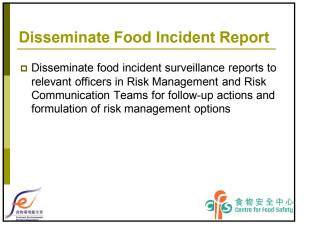
Exposure Assessment

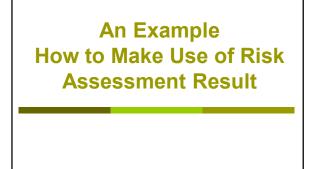
Estimate dietary exposure

- Substance Level X Food Consumption Amount
- Average & high consumers of Hong Kong population
- Various population subgroups, if appropriate
- Assess the associated health risk
 - Compare the exposure estimated with the relevant safety reference values

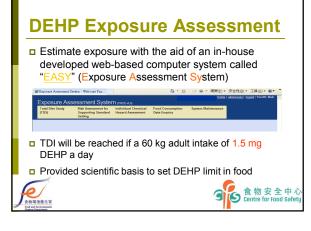


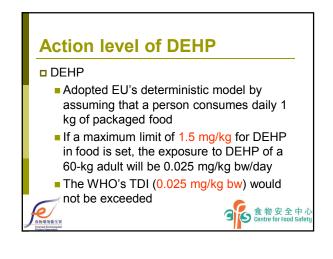
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Action Levels of Other Phthalates

DINP& DBP

- No TDI established by WHO or JECFA
- Reference made to TDIs of European Food Safety Authority (EFSA)
- Similar approach to DEHP

Action levels in food

- 9 mg/kg for DINP/DIDP (as the sum of the substances)
- 0.3 mg/kg for DBP











RA in Standard Setting

- Scientifically assess the dietary exposure to the hazard of concern and possible adverse health effects on the local community, taking local food consumption into consideration
- Local standards set without compromising public health



Food Standard Exercises under Review

- Pesticide Residues
- Veterinary Drug Residues
- Natural Toxins (Shellfish toxins and mycotoxins)
- Heavy Metals in food
- Microbiological Guidelines for Ready-to-eat food



Pesticide Residues in Food

Proposed Approach

- Proposed two-step approach to set the standards for Hong Kong
 First step
 - Proposed to adopt the standards of individual pesticides
 - recommended by Codex as the backbone
 - Supplemented by related standards of the Mainland and other major exporting countries, notably Thailand and the USA

Second step

- Evaluate the proposed standards by conducting risk assessment
- Assess adequacy to protect public health in the local setting

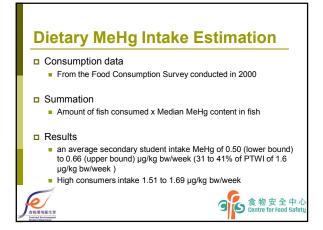




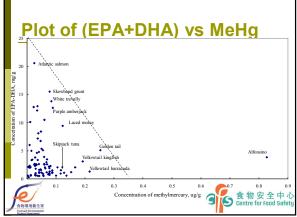
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RA Study -- Mercury in Fish and Food Safety (2008) Study objectives To examine the total mercury (tHg) and methylmercury (MeHg) levels in fish commonly consumed in Hong Kong To estimate the dietary MeHg intake

tHg, MeHg and fatty acids levels in fish
 Covered 89 fish species (whole fish for species identification), each with 3 samples unless otherwise stated
 Analysed as sold







RA Study -- Dietary lodine Intake in Hong Kong Adults (2011) Study objectives To examine the iodine levels in selected foods

in Hong KongTo estimate the dietary iodine intake in adults

Iodine levels in food

- Covered 92 food items, each with 3 samples
- unless otherwise stated
- Analysed in foods as sold



Dietary lodine Intake Estimation

Consumption data

- From the Hong Kong Population-based Food Consumption Survey 2005-2007
- Summation
 - Amount of food consumed x Mean iodine content in each food

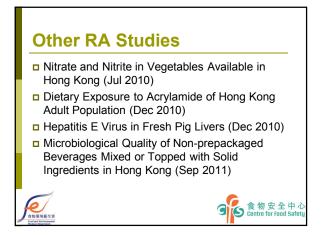
Results

環境衛生署

- a median iodine intake of 44 µg/day
- 93% of the adult population with intake below WHO's
- recommendation

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Terms of Reference

- To advise the Director of Food and Environmental Hygiene on
 - existing or new food safety operational strategies and measures to protect public health
 - standards/guidelines relating to food safety and food composition and their suitable adoption in Hong Kong having regard to international practices, trends and developments
 - the strategies for risk communication to promote food safety and how best to implement relevant risk communication or public education programmes
 - any new directions for any research to be commissioned by the Centre for Food Safety

