

International Conference on Dengue Prevention and Control & International Dengue Expert Consultation Meeting December 7-8, 2015 The Magic School of Green Technologies, National Cheng Kung University, Tainan City



DENGUE PREVENTION AND CONTROL IN MALAYSIA

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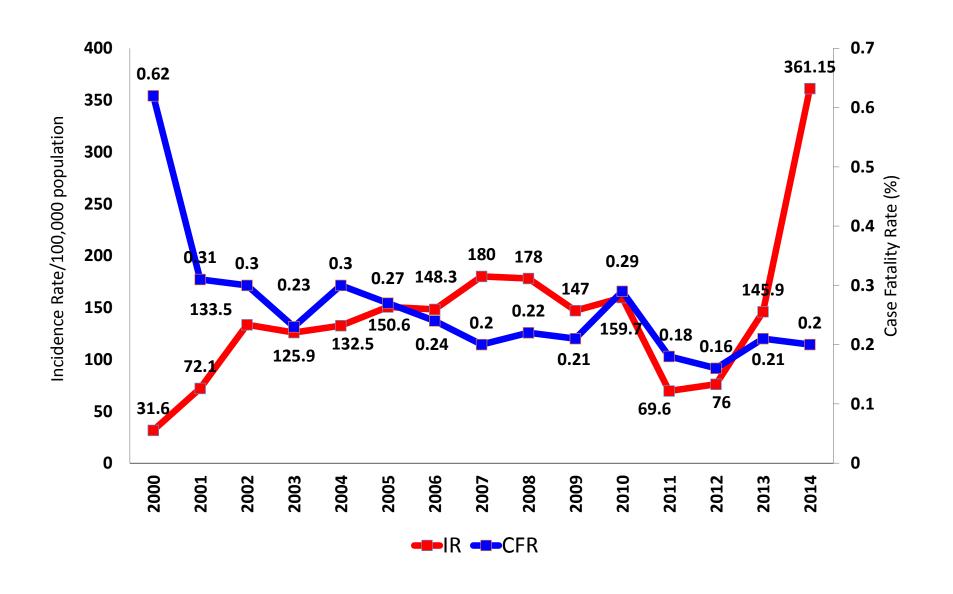


OUTLINE OF PRESENTATION

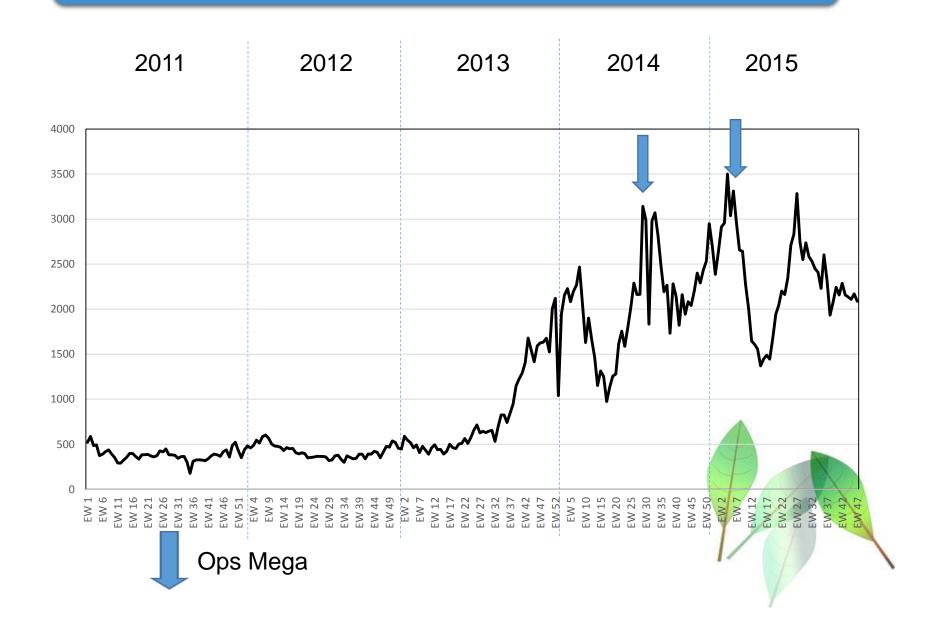
- Dengue Situation in Malaysia
- National Dengue Strategic Plan 2015-2020



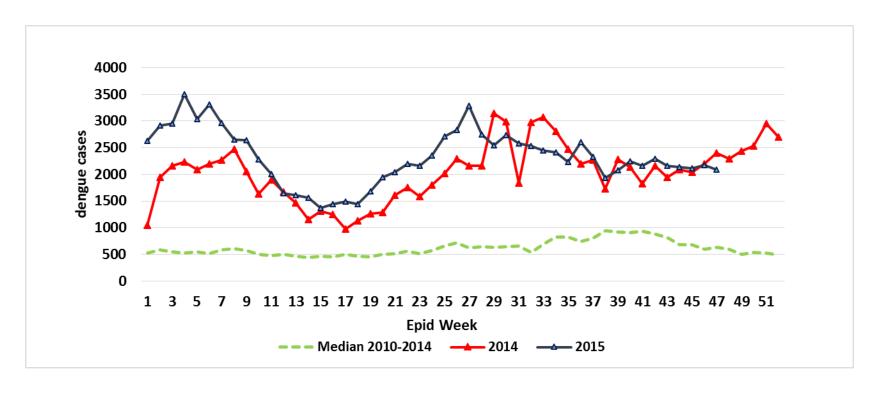
DENGUE INCIDENCE RATE AND CASE FATALITY RATE 2000-2014



WEEKLY TREND OF DENGUE CASES 2011-2015



DENGUE TREND IN MALAYSIA 2014 / 2015



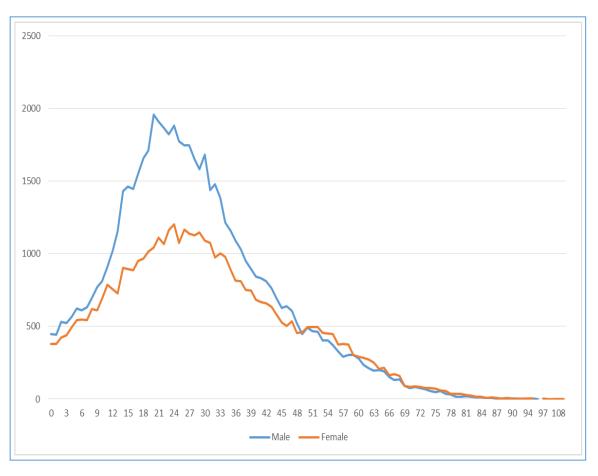
From January till November 28, 2015

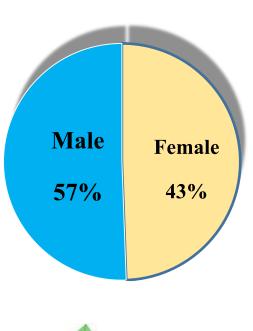
No. of cases : 109,166 cases

No. of deaths : 296 deaths



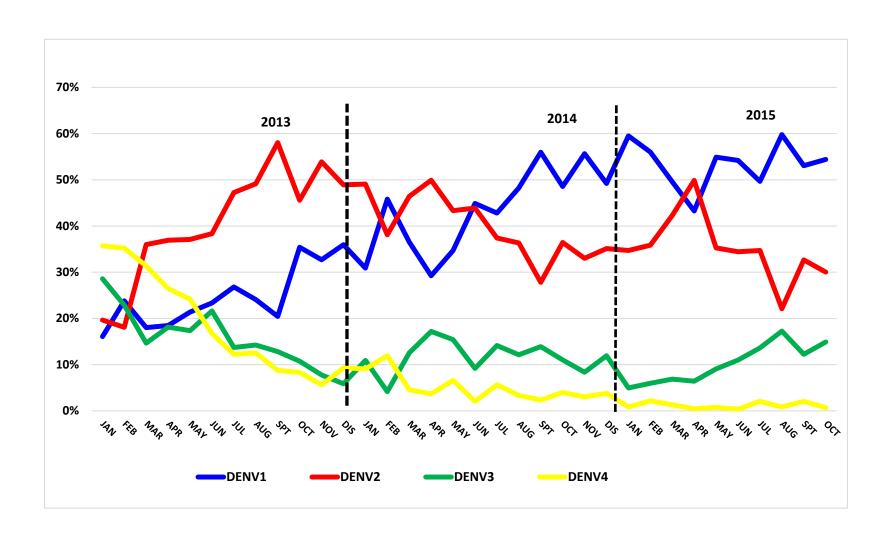
DENGUE CASES BY AGE AND GENDER IN 2015



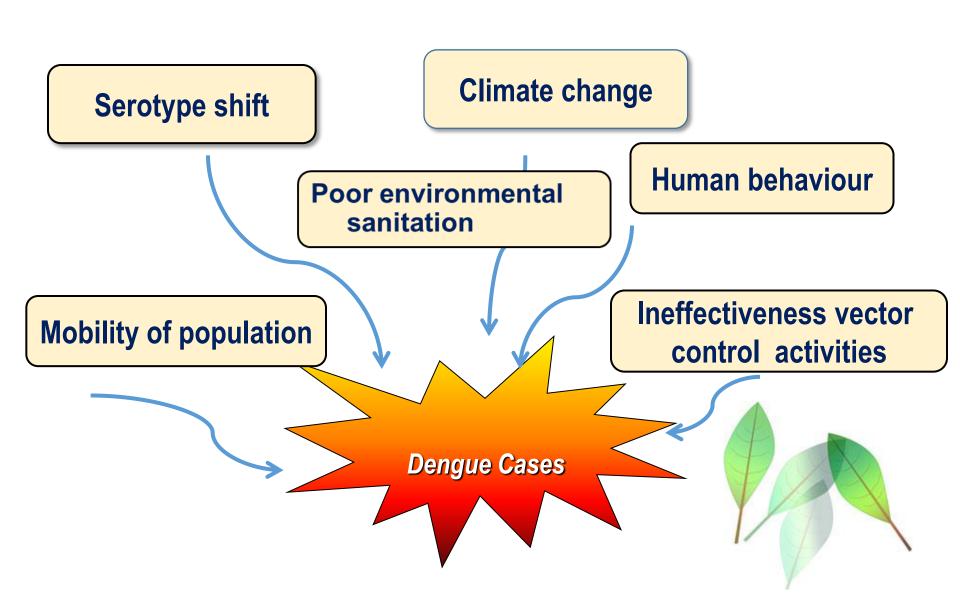




CIRCULATING DENGUE SEROTYPES 2013-2015



CONTRIBUTING FACTORS FOR INCREASED DENGUE CASES



NEW DIRECTIONS IN DENGUE CONTROL

Registered dengue cases must be confirmed by laboratory tests

Increase source reduction activity

Reduce fogging activities from two cycles to one cycle



INTERAGENCY COLLABORATION

At the National Level,

The dengue issues will be address through the Dengue National Committee and the Dengue Task Force Committee.

Collaboration with 7 relevant ministries and agencies:-

Ministry of Urban Wellbeing, Housing and Local Government Ministry of Works Ministry of Communications and Multimedia Ministry of Education Ministry of Home Affairs Ministry of Human Resources State Governments





NATIONAL DENGUE STRATEGIC PLAN (2015-2020)

- To strengthen the preparedness and response capacity in order to detect cases and outbreaks for an immediate action.
- The National Strategy is developed based on the SWOT analysis as well as the document of "Global Strategy for Dengue Prevention and Control 2012-2020" by WHO



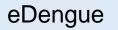
NATIONAL DENGUE STRATEGIC PLAN (2015-2020)

strategies

- Dengue Surveillance
- National Cleanliness Policy and Integrated Vector Management (IVM)
- Management of Dengue Cases
- Social Mobilization and Communication for Dengue
- Dengue Outbreak Response
- Dengue Research
- Reduction of Dengue Burden In The Klang Valley

DENGUE SURVEILLANCE

- eNotification
- Dengue is a notified disease as defined in Section 10 (c) Act 342, the Prevention and Control of Infectious Diseases Act, 1988
- eDengue system
- Dengue Outbreak Management System (SPWD)
- iDengue System for the community
- Laboratory Surveillance coordinated by The National Public Health Laboratory (NPHL)







NATIONAL CLEANLINESS POLICY AND INTEGRATED VECTOR MANAGEMENT (IVM)

I. NATIONAL CLEANLINESS POLICY

- The National Cleanliness Policy was drafted based on a holistic and integrated approach through the concept of Blue Ocean Strategy (BOS) between ministries, agencies, NGOs and the publics.
- Focusing on clean environment whereby Malaysia was targeted as one of the cleanest country in the world by the year 2020 and free from infectious diseases.

Emphasized on 5 main core areas :-

- Establishment of National Cleanliness Policy.
- Establishment and adopt a National Cleanliness Index.
- Expanding the implementation of solid waste management and public cleansing as provided under the Solid Waste Management and Public Cleansing Act 2007 (Act 672) throughout the country
- Banning or limiting the use of plastic bags and containers.
- Declaration of the National Cleanliness Week and hold a celebration every year.

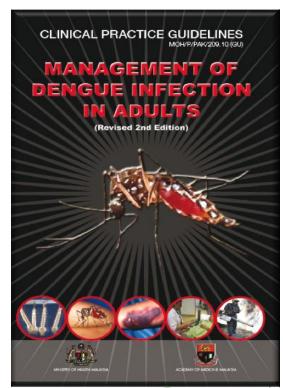
II. INTEGRATED VECTOR MANAGEMENT (IVM)

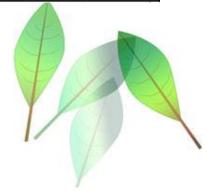
Integration and cooperation with all relevant agencies. Example of activities are :-

- Space spraying using Temephos EC or Bti in the hotspot areas.
- Residual spraying as a complementary measures.
- Effective waste collection system by local authorities.
- A reliable water supply system to reduce the need for additional water storage.
- Cleanliness activities (Gotong Royong).
- Advice on personal protection during the peak of mosquito bites.
- Enforcement activities in the construction sites with other agencies such as local authorities, CIDB and DOSH.

MANAGEMENT OF DENGUE CASES

- The Ministry of Health Malaysia has prepared and distributed Guidelines -Clinical Practice Guideline on Management of Dengue Infection in Adults.
- The main feature of this CPG are:-
 - Early detection of dengue cases
 - Standard and effective dengue management
 - Public awareness on symptoms and signs of dengue and seek early treatment
 - Medical practitioners awareness to detect dengue cases





SOCIAL MOBILIZATION AND COMMUNICATION FOR DENGUE

- Community involvement as a COMBI volunteers
 - Till December 2015, there are 3007 COMBI localities through out the country
- Involvement of universities, NGO'S and private sectors
- Communication through the mass media, for example TV and radio channels, electronic billboards and social media such as whatsapp, facebook, blog etc





DENGUE ISSUES IN PRESS STATEMENT AND SOCIAL MEDIA

PM pandang serius ancaman aedes

Razak mengingatkan orang ra- lit. mai supaya sentiasa berwaspada dengan gejala demam denggi kan rawatan segera di klinik atau dengan gejata demam denggi kali tawatan segera di kanik atau yang dibawa oleh nyamuk aedes hospital sekiranya terdapat gejala berikutan demam tersebut boleh sebegini," katanya dalam laman membawa maut. Twitter @NajibRazak hari ini.

Beliau turut menasihati mereka segera mendapatkan rawatan terbaharu di laman Facebook di klinik atau hospital sekiranya miliknya, Perdana Menteri tu-

sekali gus menunjukkan beliau gejala demam denggi. memandang serius gejala tersebut Katanya, beliau tidak mahu lagi yang sehingga penghujung bulan melihat sesiapa menderita atau lalu, telah meragut sebanyak 62 bersedih akibat kehilangan ahli

Pada 17 Februari lalu, Perdana mam denggi yang dilihat semakin keluarga anda. membimbangkan, namun be-"Sekiranya ada walau sedikit ilau berharap semua pihak akan tanda standa seperti ini, terus 03-8881 0600. S mengambil langkah berjaga-jaga dapatkan nasihat dan rawatan ingin lagi lihat se dan segera mendapatkan bantuan di klinik dan hospital terdekat perubatan sekiranya mengalami atau hubungi Kementerian Kesitanda-tanda gejala berkenaan.

KUALA LUMPUR 5 Mac - Perdana pendarahan ringan gusi, hidung kes demam denggi direkodkan Menteri, Datuk Seri Najib Tun atau di bawah kulit dan ruam ku- di seluruh negara, berbanding

*Denggi membunuh. Dapat- hun lalu.

Sementara itu, dalam status rut meminta orang ramai supaya tanda-tanda serta gejala disyaki diserang demam denggi. rut meminta orang ramai supaya Ini merupakan peringatan ked-memastikan rakan serta keluarga ua Perdana Menteri berhubung masing-masing mengetahui makancaman nyamuk aedes tahun ini lumat mengenai tanda-tanda dan

keluarga kerana wabak itu. *

"Denggi mampu membunuh. Menteri menyatakan komitmen pastikan maklumat mengenai kerajaan dalam meneruskan tanda-tanda serta gejala demam usaha membasmi penularan de- denggi diketahui oleh rakan serta

"Sekiranya ada walau sedikit Selain peringatan itu, beliau Saya tidak ingin lagi lihat sesiapa keluarga kerana hatan Malaysia di 03-8881 0600. akibat kehilanga turut menyatakan simptom menderita atau bersedih akiba

16,053 bagi tempoh yang sama ta-



Denggi mampu membunuh, Pastikan maklumat mengenai demam denggi diketahui oleh rakan serta keluarga anda. Sekiranya ada walau sedikit tandatanda seperti ini, terus dapatkan nasihat dan rawatan di klinik dan hospital terdekat atau hubungi Kementerian

Kesihatan Malaysia di menderita atau

45 daripada 46 biak nyamuk aedes

■ Kementerian Kesihatan lancar Ops Gempur Tapak Binaan

Oleh Mohd Husni Mohd Noor mhusni@hmetro.com.mv

ps Gempur Tapak Binaan dijalankan Kementerian Kesihatan di sekitar Lembah Kelang antara 10 hingga 14 Februari lalu mendapati sejumlah 45 daripada 46 tapak binaan yang diperiksa positif pembiakan nyamuk ae-

Ketua Pengarah Kesihatan dan pembersihan Datuk Dr Noor Hisham Abdullah berkata, operasi berkenaan dilancarkan mene-Pemusnahan Serangga Pem-bawa Penyakit 1975 (APSPP) terutama di daerah yang

mencatatkan peningkatan pembawa penyakit. kes denggi. Beliau berkata, daripada lankan oleh satu skuad khas

45 tanak hinaan itu sehanyak 39 arahan penutupan kementerian dengan kerjapremis tapak binaan dikeluarkan kepada pemaju yang melakukan kesalahan dan mereka diminta supaya mengambil tindakan pencegahan dengan kadar segera

dalam tujuh hari. "Kami juga membuka 45 rusi penguatkuasaan Akta kertas siasatan bagi tujuan pendakwaan di mahkamah mengejut agar keadaan seatas kesalahan membenarkan pembiakan serangga

"Operasi berkenaan dijabinaan yang didapati membiarkan pembiakan nyamuk vang dibentuk di peringkat herlaku

sama jabatan kesiha-

yang terletak di

kawasan jangkitan

denggi serta kawa-

san berhampirannya,"

Dr Noor Hisham berkata,

operasi itu dijalankan secara

benar di tapak binaan dapat

dinilai dan tindakan lebih

katanya semalam.

Selain itu, tindakan mah kamah dilakukan bertujuan tan negeri dan pemeningkatkan kesedaran di iabat kesihatan pihak pemaju tapak binaan daerah dengan supaya lebih prihatin mekawasan sasangenai kesejahteraan masyarakat di persekitaran. ran termasuk tanak binaan

Katanya, iika sabit kesa lahan, denda maksimum sehingga RM10,000 atau dua tahun penjara atau kedua-duanya sekali boleh di kenakan bagi kesalahan pertama dan denda mak atau lima tahun penjara bagi atau kedua-duanya sekali



SELANGOR TO TEST RUN OUTDOOR RESIDUAL SPRAY TO FIGHT DENGUE

Tapak binaan penyumbang pembiakan aedes

PUTRAJAYA 17 Feb. - Sebanyak 97.8 pera- pembiakan serangga pembawa penyakit itu. tus atau 45 daripada 46 tapak binaan yang telah diperiksa oleh anggota penguat kuasa luarkan 39 arahan penutupan premis tapak pemaju Kementerian Kesihatan bermula 10 Febru- binaan kepada setiap pemaju tapak bi- hatin tent ari hingga 14 Februari lalu didapati positif dengan pembiakan nyamuk aedes.

Ketua Pengarahnya, Datuk Dr. Noor Hisham Abdullah berkata, rentetan daripada pemeriksaan tersebut, sebanyak 45 kertas siasatan dibuka bagi tujuan pendakwaan di mahkamah atas kesalahan membenarkan Beliau berkata, pihaknya turut menge- meningka

naan terlibat supaya mengambil tindakan pencegahan dan pembersihan dalam tem-

poh tidak melebihi tujuh hari.

"Itu ba han berul atau lima ya sekali,

persekitar



希尔米 (左二) 使用捕捉管。将黑暗积水处子下捕捉起来

蚊症黑区 病例最多 墙壁喷蚊药雪州试跑

颠颠占据特首的雪兰被 州·进行在建筑墙壁喷 射蚊药试验。倘若这项 试验可在3个月后生效,卫生部报将这项计

过。这项计划仍然在试 · 卫生部于上月已在 验阶段 · 希望在3个月 例依然占据榜首 · 共有 后可看现效果。并将这 项计划推广至全国各

依然持续攀升至2万 斯里希尔来说。演部门 5459个编例及65个死亡 壁喷射数雾,以便蚊虫 7678个胸侧及33个死亡 这么表示:

1万4979个前例及37个 死亡病例,其中44个进 筑工地是肇祸区域,目 能这些有问题建筑工地 已被控上法庭。

希尔米今日在城中 卫生局局长拉菲达医生 视威中的法值1个维加

槟病例狂飙3倍

希尔米说, 维州截 个病例 (196.54%), (2月22日至28日)有 至2月28日已累积1115 已达到令人担忧的阶 个病例 (2个死亡) · 比2014年376个病例 (3

105个病例,比第7个是 期 (2月15日至21日 他说·杭州骨痛热 的102项前例·增加3个







DENGUE OUTBREAK RESPONSE

Epidemic Preparedness Plan

- Dengue Outbreaks operation room at district and national level
- District Dengue Outbreak Committee
 chaired by the District Officer with the involvement of various agencies
- Dengue Task force Committee at the State level and National level
- Early Detection of Epidemic and Response
- Risk Communication





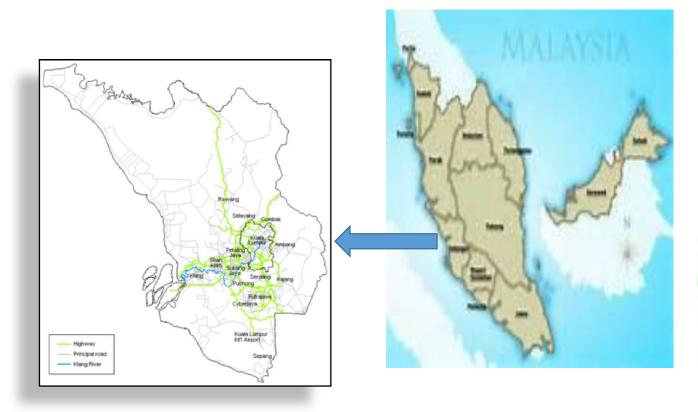
DENGUE RESEARCH

- Research should be given attention in order to enhance the effectiveness, cost effectiveness, sustainability and increasing the scale of existing interventions as well as producing ideas and new methods.
- Collaboration with the National Public Health Laboratory (NPHL) and the Institute for Medical Research (IMR).
- Collaboration with other agencies such as the universities, private companies and other government agencies.



REDUCTION OF DENGUE BURDEN IN THE KLANG VALLEY

- The Klang Valley contribute 57% of total dengue cases throughout the country.
- Strengthening cooperation and collaboration between the State Government, local authorities and other agencies.





NEW TOOLS AND STRATEGY IN THE PREVENTION AND CONTROL OF DENGUE

New strategies in hotspot areas

- Residual sprays
- Larviciding activities using temephos EC or Bti

New tools

Vaccination Program





THANK YOUTERIMA KASIH

