



CARIBBEAN PUBLIC HEALTH AGENCY
62nd ANNUAL CARPHA HEALTH RESEARCH CONFERENCE
Marriott Hotel, Georgetown, Guyana
April 27–29, 2017

Programme

DAY 1: Thursday April 27, 2017

Opening Session

8:00 am *Feature Lecture 1*
Chairperson: M Lichtveld

“Health Impacts of Climate and Extreme Weather: Science Guiding Enhanced Resilience”
J Balbus
Salon A

8:45 am ***Report – Roadmap for climate change and health in the Caribbean***
M Lichtveld

Panel Discussion: Roadmap for climate change and health in the Caribbean

9:45 am ***COFFEE BREAK/POSTERS/EXHIBITS***
Salon C, D and Pre-Function Area

Session 1 ***Climate Change and the Environment***
Chairpersons: D Ramdath, S Persaud
Salon A

(O – 1) 10:45 am ***The impact of climate change on human health and the environment: Implications for environmental health research, policy and practice in the Caribbean***
M Lichtveld, P Ouboter, F Abdoel Wahid, J Wickliffe, C Alcalá, W Zijlmans

(O – 2) 11:15 am ***Differences in association of physical activity and high blood pressure between urban and rural areas in Suriname: The Suriname health study***
SM Baldew, ISK Krishnadath, JR Toelsie

(O – 3) 11:30 am ***Rising sea-level and its implications for Guyana***
P Singh

(O – 4) 11:45 am ***Investigating the correlation between selected crop production and climatic parameters: implications for food security in Guyana***
D Deonarine

- (O – 5) 12:00 noon **The association of rainfall and temperature anomalies with childhood Type 1 Diabetes**
ES Tull, H Yarandi
- (O – 6) 12:15 pm **Results of an Awareness Project on Safe Pesticide Use for 5th and 6th graders at primary schools in Nickerie**
R Ramjatan, WB Hawkins, D Mans, T Graafsma, A van Sauers, MY Lichtveld
- 12:30 pm **LUNCH**
Foyer
- 1:45 pm **Feature Lecture 2**
Chairperson: CJ Hospedales
- “Building Public Health System Capacity to Address Climate Change”
G Benjamin
Salon A
- Session 2** **Public Health I**
Chairpersons: P Adams, K Polson-Edwards
Salon A
- (O – 7) 2:30 pm **Trends in mortality from cardiovascular disease and diabetes and the association with healthcare expenditure in Caribbean countries**
A Razavi, I Hambleton, TA Samuels, N Sobers-Grannum, N Unwin
- (O – 8) 2:45 pm **Trends in inpatient hospital deaths in a tertiary care hospital in Georgetown, Guyana: An eleven-year retrospective study**
P Edwards
- (O – 9) 3:00 pm **Service availability and readiness for selected non-communicable diseases prevention and control: Assessment of diabetes and hypertension at seven health centres in Guyana 2014**
M Thomas, M Odwin-Sagala
- 3:15 pm **COFFEE BREAK/POSTERS/EXHIBITS**
Salon C, D and Pre-Function Area
- Session 3** **Public Health II**
Chairpersons: K Mungrue, T Maitland
Salon A
- (O – 10) 4:15 pm **HIV/AIDS in Trinidad and Tobago: 2010 and Beyond**
K Mungrue, A Olliverrie, R Nicholas, N Ohonba, A Muhammad, A Nabbie, A Nandlal, R Oliver, Q Muradal
- (O – 11) 4:30 pm **Antibiotics use by poultry farmers in Grenada**
L Glasgow, M Forde, D Brow, C Mahoney, S Fletcher-Lartey, S Rodrigo
- (O – 12) 4:45 pm **Trends in tobacco use among Guyanese youths from 2000–2015**
M Edwards, N McKenzie, S Bender, A Shury, E Hamilton
- (O – 13) 5:00 pm **Non-communicable disease mortality and trends in the Caribbean region**
H Razzaghi, S Quesnel-Crooks, Y Hong, E Gregg, D Martin, G Andall-Brereton, D Duran, M Saraiya

5:15 pm **End of Session**

6:30 pm **Opening Ceremony**

DAY 2: Friday April 28, 2017

7:00 am **Breakfast Session: Tricks towards abstract writing**
D Ramdath, M Reid

8:00 am **Feature Lecture 3**
Chairperson: G Hutchinson

“Climate Change and the Environment: Implications for non-communicable Diseases and Mental Health”

A Hennis

Salon A

Session 4a Concurrent **Cardiovascular Disease I: Policy**
Chairpersons: J St John, M Frankson
Salon A

(O – 14) 8:45 am **Economic burden of cardiovascular disease in a small Island developing state**
AMC Rose, N Unwin, C Howitt, TA Samuels, EA Phillips, KS George, AJM Hennis,
IR Hambleton

(O – 15) 9:00 am **The consumption and revenue effects of increased taxation on cigarettes: A case study of Grenada**
K Theodore, A La Foucade, A Cumberbatch, S Lalta, E Scott, C Metivier, S Gabriel

(O – 16) 9:15 am **The Barbados tax on sugar sweetened beverages: an assessment of the political processes behind implementation and early effect on retail prices**
M Alvarado, AM Thow, J Adams, N Unwin, MM Madhuvanti

(O – 17) 9:30 am **Validating the annual monitoring of the 2007 CARICOM Heads of Government Summit Declaration on chronic non-communicable diseases**
T Samuels, M Murphy, N Unwin

(O – 18) 9:45 am **Evaluating implementation of the CARICOM Heads of Government chronic non-communicable diseases Summit Declaration of 2007**
TA Samuels, N Unwin

10:00 am COFFEE BREAK /POSTERS/ EXHIBITS
Salon C, D and Pre-Function Area

Session 4b Concurrent **Family Health**
Chairpersons: S Keizer-Beache, M Edwards
Salon B

(O – 19) 8:45 am **Alcohol use disorder and its relation with co-morbidities such as depression and smoking among patients presenting to public clinical settings in The Bahamas**
P Darville, MA Frankson, C Farquharson, J Rodgers, N Clarke

- (O – 20) 9:00 am **Prevalence of psychological distress in Suriname in urban and rural areas: the Suriname health study**
W Gunther, M Sanches, CCF Smits, ISK Krishnadath
- (O – 21) 9:15 am **Prevalence and sociodemographic features of men with erectile dysfunction in Nassau, The Bahamas**
M Millar, M Frankson, C Hanna-Mahase, R Roberts, F Williams
- (O – 22) 9:30 am **The challenges and realities to establishing a renal transplantation service in The Bahamas**
R Roberts
- (O – 23) 9:45 am **The effect of lung function on blood pressure and vascular indices from adolescence to early adulthood in a London multi-ethnic cohort**
Y Lu, MJ Silva, E Nanino, L Faconti, S Lam, JK Cruickshank, S Harding
- 10:00 am COFFEE BREAK /POSTERS/ EXHIBITS**
Salon C, D and Pre-Function Area
- 10:45 am Feature Lecture 4**
Chairperson: S Persaud, M Forde
“Climate matters: Including Caribbean climate science in the regional health discourse”
M Taylor
- Session 5a** Concurrent **Cardiovascular Disease: Epidemiology and risk factors**
Chairpersons: D Ramdath, A Hennis
Salon A
- (O – 24) 11:00 am **Evaluating policy responses to upstream determinants of chronic, non-communicable diseases: supporting healthy diets and active living in seven Caribbean countries**
MM Murphy, TA Samuels, N Unwin, C Guell
- (O – 25) 11:15 am **Non-communicable diseases in Guyana: assessing progress in the implementation of World Health Organization global priorities and identifying emerging strategies for prevention and control**
K Roberts
- (O – 26) 11:30 am **Stigma and illness uncertainty: Adding to the burden of sickle cell disease**
A Blake, V Asnani
- (O – 27) 11:45 am **Secular trends and disparities in cardiovascular disease mortality in Afro-Caribbean’s and the US Population (1996–2013)**
DK Francis, NO Younger-Coleman, TS Ferguson, NR Bennett, EN Harris, MY MacLeish, LW Sullivan, RJ Wilks
- (O – 28) 12:00 noon **Prevalence and phenotype of diabetes and pre-diabetes using fasting glucose versus HbA_{1c} in Barbados: implications for policy on diagnosis and prevention**
N Unwin, C Howitt, AMC Rose, T A Samuels, AJM Hennis, I Hambleton
- (O – 29) 12:15 pm **Evaluation of the efficacy of ST2 and NT-proBNP in the diagnosis and prediction of short-term prognosis in heart failure with reduced ejection fraction**
D Sawh, B Scott, V Sears, K Seebalack, M Seenath, P Seepaulsingh, S Seepersad, V Seetahal, BS Nayak
- (O – 30) 12:30 pm **Does peak expiratory flow rate measured sitting differ from that measured standing?**
JL Paul-Charles, K Mangera, EH Morris, OP Adams

12:45 pm **LUNCH**
Foyer

Session 5b *Concurrent* **Communicable Diseases/HIV**
Chairpersons: I Potter, L Indar
Salon B

(O – 31) 11:00 am **Perceptions and beliefs regarding the Mosquito-Chikungunya – Fever connection among St Catherine residents in Jamaica**
*D Holder-Nevens, S Williams, A Grant, K Webster-Kerr, Z Miller, D Chin, N Elias’
K Gordon-Johnson*

(O – 32) 11:30 am **Cohort study for clinical and epidemiological follow-up of patients with Arthralgia post Chikungunya referred to a Rheumatology clinic at a tertiary hospital in Trinidad and Tobago**
T La Rosa, P Poon-King, S Giddings, T Seemungal

(O – 33) 11:45 am **Aedes Aegypti transmitted arboviral outbreaks in Grenada: 2001–2016–quo vadis?**
*M Brenciaglia, T Noël, P Fields, S Bidaisee, W Nelson, N Venkateswaran, K Yearwood,
V Mapp-Alexander, A Bahadoor, G Mitchell, T Myers, CNL Macpherson*

(O – 34) 12:00 noon **Metabolic syndrome among HIV-infected adults receiving antiretroviral at the National Care and Treatment Centre, Georgetown**
S Bovell

(O – 35) 12:15 pm **Monitoring the effectiveness of prevention of mother-to-child HIV transmission in Trinidad, a small middle income country, 2013–2016**
K Mungrue

(O – 36) 12:30 pm **Antimicrobial potential of Azardirachta indica (Neem) and Syzygium cumini (Jamun) seeds against microbial pathogens from diabetic foot**
R Kurup, AA Ansari, K Sukhraj, A Wilson, P Mohamed-Rambaran

(O – 37) 12:45 pm **The lingering occurrence of Leprosy into the 21st century in Trinidad**
K Mungrue

1:00 pm **LUNCH**

2:30 pm **Tours**

6:30 pm **Awards Banquet**

DAY 3: Saturday April 29, 2017

Session 6 9:00 am **Nutrition and Lifestyle**
Chairpersons: M Reid, W Adu Krow Room

(O – 38) 9:15 am **Unhealthy eating patterns in Suriname: part of the Suriname Health Study**
LMW Nahar-van Venrooij, E Marhe, C Antonius-Smits, ISK Krishnadath

(O – 39) 9:30 am **Prevalence of obesity among adults in the parish of St George, St Vincent and the Grenadines, and its relation to cardiovascular disease**
*D Santhosh, M Duncan-Adams, J Lewars, C Manning, S Yala, T Hunt, D Lamartiniere,
N Maharaj*

- (O – 40) 9:45 am ***Discordance between perceived body-size and actual body-size and psychological well-being in adolescence: evidence from the DASH longitudinal study***
C Elia, A Karamanos, AM João Silva, M O'Connor, Y Lu, A Dregan, S Harding
- (O – 41) 10:00 am ***Sodium and potassium excretion in an adult Caribbean population of African descent with a high burden of cardiovascular disease***
RM Harris, AMC Rose, IR Hambleton, C Howitt, NG Forouhi, AJM Hennis, TA Samuels, N Unwin
- 10:45 am ***COFFEE BREAK /POSTERS/ EXHIBITS***
Salon C and Pre-Function Area
- (O – 42) 11:30 am ***Quality of life after cardiovascular disease in a small island developing state***
AMC Rose, N Unwin, C Howitt, EA Phillips, TA Samuels, IR Hambleton
- (O – 43) 11:45 am ***Nutritional status of schoolchildren in the amazon rainforest interior of multi-ethnic Suriname: the influence of age, Gender and ethnicity***
CSC Essed, S Mac Donald-Ottevanger, B Jubitana, CWR Zijlmans
- 12:00 noon ***Presentation of Prizes and Closing Remarks***

62nd Annual CARPHA Health Research Conference 2017

Poster Programme

Climate Change

- (P – 1) **Knowledge, attitudes, and perceptions on genetically modified organisms: Case for sterile mosquito release against Zika in Grenada**
A Ghodasara, M Deliso, S Bidaisee, CNL Macpherson
- (P – 2) **Health-related fitness of urban children in Suriname: An ethnic variety**
F Walhain, M Declerck, J de Vries, HEJ Veeger, A Ledebt
- (P – 3) **The effects of natural disasters on the health of the people of Caribbean Countries in the 20th and 21th centuries**
JG Avery
- (P – 4) **Similarities and differences between tobacco control and climate change from a public health perspective**
V Bachan, G Tatkan, W Adu-Krow
- (P – 5) **Food security in Guyana – feasibility of heliculture as a means to ensure food security**
G Tatkan, V Bachan, W Adu-Krow, E Tatkan
- (P – 6) **Displacement post natural disaster: An exploration of the needs of survivors displaced due to storm Erika in Dominica**
T Ravaliere, MM Murphy

Public Health

- (P – 7) **Effects of an educational intervention about ‘Bush Medicine’ on the knowledge, attitudes and practices of physicians and pharmacists**
E Tyrell, K Jeeboo, T Thomas, J Edmonson-Carter, R Kurup
- (P – 8) **Patients’ perception of dental radiation in Trinidad and Tobago**
A Bissoon, D Harrynarine, N Dasent
- (P – 9) **Prevalence of dental anxiety and fear among university students**
D Reid, K Kerr, X Carty, J D’Ornellas, B Gervais, D Joseph, K Maharaj, S Soomai, AL Teixeira, R Naidu
- (P – 10) **Medication use and the importance of medication history in dentistry at a community-based Dental clinic, Trinidad**
S Deosaran, N Gafoor, D Haripersaud, K Jackson, R Lutchmedial, A Maharaj, N Rajcoomar, A Ramharacksingh, V Sewalia, R Balkaran, A Harracksingh
- (P – 11) **Prevalence and risk factors of multi-drug resistant bacteria in the Burn Care Unit of Georgetown Public Hospital Corporation**
E Tyrell, C Rampertab, K Jaikarran

- (P – 12) ***Systems science for Caribbean health: the development of a model for guiding policy on diabetes in the Caribbean***
L Guariguata, C Guell, TA Samuels, EAJA Rouwette, J Woodcock, IR Hambleton, N Unwin
- (P – 13) ***Formulation and evaluation of diclofenac sodium loaded poly-ε-caprolactone microspheres***
LL Maharaj, MM Gupta, Y Clement
- (P – 14) ***The comparative analysis of the cost of cataract surgery in the public versus private health sector***
M Mahabir, C Mahabirsingh, K Maharaj, L Maharaj, R Maharaj, S Maharaj, V Maharaj, S Maharajh
- (P – 15) ***Transportation (Medical Evacuations) of snake bitten persons from the Hinterland Regions in Guyana: cost analysis***
V Bachan, G Tatkan, W Adu-Krow
- (P – 16) ***The Role of the Community Development Council in improving health outcomes of children in Guyana***
G Haynes-Smith
- (P – 17) ***Cost analysis of the Ministry of Public Health Nurses Programme for the period 2008–2014***
G Tatkan, V Bachan W Adu-Krow, M Idal, E Tatkan
- (P – 18) ***Electronic cigarette use among young adults in Trinidad***
R Dhandoolal, S De Gannes, A Dhanooolal, M Desaine, D Dukhoo, S Duncombe, D Dupraj, T Dorsett, S Sakhamuri, I Dialsingh, L Pinto-Pereira
- (P – 19) ***Transgendered health in Barbados: Exploring the experiences and perceptions of transgender males and females when accessing healthcare services***
FE Sargeant, MM Murphy
- (P – 20) ***Proposal for the use of information and communication technology to improve surveillance systems response in Guyana***
R Dos Santos
- (P – 21) ***Knowledge, attitude and practices of woodworkers on the Linden/Soesdyke Highway, Guyana, in relation to occupational safety and health***
C Boston, R Kurup, S Zaman, A Anderson
- (P – 22) ***Zika awareness for prevention and control: A preliminary field study of The Caribbean Public Health Agency press releases***
GA Steele
- (P – 23) ***Ebola preparedness among the public in Trinidad and Tobago – implications for health system resilience and global health security***
S Mohammed, K Melville, C Mohammed, M Mohammed, R Mohammed, W Mootoo, M Morris, D Motilal, B Bhagwandeem, I Dialsingh, S Pooransingh
- (P – 24) ***Clinical workload in a primary healthcare setting in a small developing country: implication for the health-work force***
K Mungrue
- (P – 25) ***The Guyana Diabetes Care Project: development and implementation of a complex multi-component diabetes care strategy***
C Ke, S Persaud, K Singh, R Derkenne, J Hung, N France, S Sugrim, R Gobin, R Kirton, B Ostrow, J Lowe