



64th ANNUAL CARPHA HEALTH RESEARCH CONFERENCE
Hilton Trinidad and Conference Centre, Trinidad and Tobago
June 20–22, 2019
Theme: Primary Health Care:
Current and Future Models for the Caribbean

Programme

Sunday, June 16, 2019

9:00 am CARPHA Meeting of Chief Medical Officers

Tuesday, June 18, 2019

8:30 am Inter-Agency Technical Committee – 6-Point Policy Package

8:30 am Environmental and Occupational Health Training Workshop

Wednesday, June 19, 2019

8:30 am Inter-Agency Technical Committee – 6-Point Policy Package

8:30 am Environmental and Occupational Health Training Workshop

12:00 pm Expert Panel on Climate and Health

Oral Programme

DAY 1: Thursday, June 20, 2019

Session 1 OPENING SESSION

8:00 am KEY NOTE ADDRESS

Chairperson: M Thame

Keynote Speaker: C Etienne

8:45 am FEATURE LECTURE 1

Chairperson: M Thame

The Particular Challenges of Non-communicable Diseases in Small Island Developing States

TA Samuels

9:30 am COFFEE BREAK/POSTERS/EXHIBITS

Room: Grand Ballroom

Chairpersons: M Thame, R Parasram

Room: Grand Ballroom

Time	OPENING SESSION
10:15 am	(O-1) Understanding the role of disease knowledge and risk perception in shaping preventive behaviour for selected vector-borne diseases in Guyana C Aerts, M Revilla, L Duval, K Paaijmans, J Chandrabose, H Cox, E Sicuri
10:30 am	(O-2) Cost-effectiveness of long-lasting insecticide-treated bed nets distribution in prevention of malaria deaths and morbidity in Guyana G Tatkan, E Tatkan, H Cox, T Thomas, N Trotman, S Bender, E Hamilton, S Roberts, A Bassoo
10:45 am	(O-3) Prevalence and patterns of multimorbidity in Jamaica: a latent class analysis L Craig, D Hotchkiss, K Theall, C Cunningham-Myrie, N Younger-Coleman, R Wilks
11:00 am	(O-4) Observed timelines for utilization of reperfusion therapy in acute ischaemic stroke patients at Princess Margaret Hospital, Nassau, The Bahamas J Moss, C Nairn, MA Frankson
11:15 am	(O-5) Albumin creatinine ratio is associated with foot ulceration in people with diabetes: a case-control study in Barbados AR Greenidge, AP Speede, KR Quimby, IR Hambleton, RC Landis
11:30 am	(O-6) Adipose tissue function in gestational diabetes mellitus AF Alrehaili, MS Anderson, DJ Freeman
11:45 am	(O-7) Effect of β-hydroxy-β-methyl butyrate supplementation in conjunction with resistance exercise on muscle strength, protein metabolism and body composition in underweight adults with sickle cell anaemia G Junor, M Reid, A Badaloo
12:00 pm	(O-8) An analysis of the 2017 National Health Survey Interview for diabetes as a risk factor for heart disease among adults in the United States of America: lessons for the Caribbean J Alexander, S Jahanfar, T Akinmoladun
12:15 pm	POSTERS AND LUNCH Room: La Boucan Room
1:30 pm	FEATURE LECTURE 2 Chairperson: M Reid <i>The Global Challenge of Antimicrobial Resistance</i> U Allen Room: Grand Ballroom

Time **CONCURRENT SESSIONS**

	Session 2a: HEALTH SYSTEMS I: POLICY AND PLANNING Chairpersons: S Pooransingh, C Radix Room: Grand Ballroom	Session 2b: PUBLIC HEALTH I: MENTAL HEALTH Chairpersons: G Hutchinson, C Jones Room: Scarlet Ibis Room
2:15 pm	(O-9) Chronic care model implementation in primary care in Trinidad and Tobago 2018 CM Poon-King	(O-10) Weight bias and stigma towards obese patients by physicians and medical students in The Bahamas D Johnson, R Malcolm, J Thompson, I Bonimy, T Bethel-Mims, MA Frankson, C Farquharson, C Conliffe, C Chin
2:30 pm	(O-11) A critical review of health system governance in the Caribbean DE Greaves	(O-12) Is there a link between the use of social media and video games and depressive symptoms among teenagers? DAR Dottin, JL Paul-Charles

Time CONCURRENT SESSIONS

	<p>Session 2a: HEALTH SYSTEMS I: POLICY AND PLANNING Chairpersons: <i>S Pooransingh, C Radix</i> Room: Grand Ballroom</p>	<p>Session 2b: PUBLIC HEALTH I: MENTAL HEALTH Chairpersons: <i>G Hutchinson, C Jones</i> Room: Scarlet Ibis Room</p>
2:45 pm	<p>(O-13) Model for decentralization – what can Guyana learn from the Nicaraguan healthcare system? S Bender-Pelswijk, E Hamilton, G Tatkan, O Williams</p>	<p>(O-14) Neighbourhood characteristics and substance use in the Caribbean context: Jamaica National Drug Use Prevalence Survey 2016 E Felker-Kantor, C Cunningham-Myrie, L Greene, W Abel, U Atkinson, P Lyew-Ayee, P Clarke, KP Theall</p>
3:00 pm	<p>(O-15) Biomedical research publications and productivity in the selected CARICOM countries: an analysis of PubMed and SJR databases MAA Majumder, S Gupta, U Gaur, OPAdams, B Sa, K Singh</p>	<p>(O-16) Mental health in the Jamaican population – results of the Jamaica Health and Lifestyle Survey S McFarlane, R Wilks, K Webster-Kerr, N Younger-Coleman, G Gordon-Strachan</p>
3:15 pm	<p>COFFEE BREAK/POSTERS/EXHIBITS Room: Grand Ballroom</p>	

Time CONCURRENT SESSIONS

	<p>Session 3a: HEALTH SYSTEMS II: POLICY AND PLANNING Chairpersons: <i>W Adu Krow, U Allen</i> Room: Grand Ballroom</p>	<p>Session 3b: PUBLIC HEALTH II Chairpersons: <i>M Fredericks-James, G Avery</i> Room: Scarlet Ibis Room</p>
3:45 pm	<p>(O-17) The need for education as a primary vehicle for improving paediatric palliative care (PPC) in a small island developing state (SIDS): results of a qualitative exploration K Morris, N Greaves, PM Lashley</p>	<p>(O-18) Linking knowledge, attitudes and practices to behaviour change: using data for community action in the Caribbean C Lewis, M Ack-Gooding, S Jean-Baptiste, B Saunders, C Braithwaite, R Royer-Thomas, F Camacho, B Gaona, AN Khan, EP Law</p>
4:00 pm	<p>(O-19) Service delivery barriers to HIV testing by key populations in six Eastern Caribbean countries C Allen, T Leon, V Wilson, W Kitson-Piggott</p>	<p>(O-20) Violence in Nevis: a retrospective analysis of homicides 2000–2017 T Kumodzi</p>
4:15 pm	<p>(O-22) The Trinidad and Tobago experience: a successful model to develop an organ donation and transplantation system using SEUSA programme E Kondi, MP Gómez, Ch Ballesté, L Roberts, B Elcock, P Bradshaw, C Gardiner, M Manyalich, H Mohammed</p>	<p>(O-21) Community property value and ideal cardiovascular health: findings from urban participants in the Jamaica Health and Lifestyle Survey 2016–2017 JA McKenzie, NO Younger-Coleman, MK Tulloch-Reid, I Govia, NR Bennett, SR McFarlane, R Walters, DK Francis, K Webster-Kerr, A Grant, T Davidson, RJ Wilks, DR Williams, TS Ferguson</p>
4:30 pm	<p>(O-24) Costing of the treatment of cervical cancer in Guyana G Tatkan, E Hamilton, S Bender</p>	<p>(O-23) The management of critically ill patients on Montserrat, a small island British Overseas Territory. A retrospective case record review I Buffonge</p>

Time CONCURRENT SESSIONS

	Session 3a: HEALTH SYSTEMS II: POLICY AND PLANNING Chairpersons: <i>W Adu Krow, U Allen</i> Room: Grand Ballroom	Session 3b: PUBLIC HEALTH II Chairpersons: <i>M Fredericks-James, G Avery</i> Room: Scarlet Ibis Room
4:45 pm	CARPHA LATE BREAKER 1 Measles on a Cruise ship	(O-25) FEAR: a fall epidemiological analysis and risk factor assessment S Lewis, C Rauseo, M Mencia
5:00 pm	End of Sessions	

DAY 2: Friday, June 21, 2019

7:00 am	Young Researcher's Workshop Room: Grand Ballroom	
8:00 am	FEATURE LECTURE 3 Chairperson: M Reid <i>40 years of CARPHA-CHRC-CCMRC: How clinical and basic science inform the (Caribbean) Public Health Agenda</i> <i>K Cruickshank</i> Room: Grand Ballroom	

Time CONCURRENT SESSIONS

	Session 4a: COMMUNICABLE DISEASES: VECTORS Chairpersons: <i>W Adu Krow, M Forde</i> Room: Grand Ballroom	Session 4b: NON-COMMUNICABLE DISEASES I: CVD and Diabetes Chairpersons: <i>D Ramdath, S Hassan</i> Room: Scarlet Ibis Room
8:45 am	(O-26) Applications of geographic information systems – strengthening decision-making for vector control in small island developing states – the Trinidad and Tobago experience R Seeramsingh, VA Partapsingh, ZCM Mohammed, LG Boodram	(O-27) Association of physical activity with blood pressure and hypertension in Afro-Caribbean men AL Kuipers, RK Cvejkus, VW Wheeler, I Miljkovic
9:00 am	(O-28) Insecticide resistance in <i>Aedes aegypti</i> mosquitoes in CARPHA Member States (CMS) over the period 2015 to 2018 R Ragoo, J Indarsingh	(O-30) Distribution of genetic mutations associated with cardiovascular disease in Trinidad and Tobago: a case-control study R O'Brien, A Hosein
9:15 am	(O-29) The effects of permethrin and temephos on public health, for control of malaria in endemic region in Guyana, Region 8 M Sooklall, H Cox, C Alonzo, G Punu	(O-32) Arterial stiffness in relation to birth characteristics in the Jamaican 1986 Birth Cohort NR Bennett, TS Ferguson, NO Younger-Coleman, MK Tulloch-Reid, JK Cruickshank
9:30 am	(O-31) Human biting activities of malaria vectors at different seasons in Potaro Siparuni Guyana G Punu, H Cox, C Alonzo, M Sooklall	(O-59) Investigating fat content health allusions based on food processing methods: a Caribbean on-campus meals analysis P Dyett, C Mendoza, N St Louis, S Nichols

Time CONCURRENT SESSIONS

Session 4a:
COMMUNICABLE DISEASES: VECTORS
Chairpersons: *W Adu Krow, M Forde*
Room: Grand Ballroom

Session 4b:
NON-COMMUNICABLE DISEASES I:
CVD and Diabetes
Chairpersons: *D Ramdath, S Hassan*
Room: Scarlet Ibis Room

9:45 am (O-33) The spectrum of disease severity, the burden of hospitalizations and associated risk factors in confirmed dengue among persons of all ages: findings from a population-based longitudinal study from Barbados – one of the English-speaking Caribbean countries
A Kumar, S Mayers, J Welch, J Taitt, D Grannum, GA Benskin, AL Nielsen

(O-36) Peripheral arterial disease prevalence and risk factors in the ECHORN Cohort Study
OP Adams, D Galusha, JL Martinez-Brockman, S Hassan, E Morris, RG Maharaj, C Nazario, M Nunez, M Nunez-Smith

10:00 am (O-35) Schistosomiasis School Survey in St Lucia: April 2017–May 2018
M Fredericks-James, J Gaspard, L Atkins

(O-49) The association of lean body mass and muscle strength with co-morbidities in elderly urban Jamaicans
B Chambers, AV Badaloo, M Reid, O Brown, L Wilson

10:15 am COFFEE BREAK/POSTER/EXHIBITS
Room: Grand Ballroom

Time CONCURRENT SESSIONS

Session 5a:
COMMUNICABLE DISEASES/
ENVIRONMENTAL HEALTH
Chairpersons: *P Adams, S Stewart*
Room: Grand Ballroom

Session 5b:
NON-COMMUNICABLE DISEASES II
Chairpersons: *K Cruickshank, MM Madhuvanti*
Room: Scarlet Ibis Room

11:00 am (O-37) Epidemiology of phenotypic resistance patterns of Escherichia coli, Klebsiella pneumoniae and Staphylococcus aureus
RP Nagassar, K Daniel, K Peters, AQJ Hinds, A Morgan-McCalla, R Brindle

(O-38) Strengthening Guyana’s primary healthcare system: use of participatory methods to prepare for a community-based, task-shifting intervention in the CONgregations Taking ACTION against NCDs (CONTACT) Study
R Gobin, O Perreira, S Goberdhan, M Sharma, M Ramdeen, A Cort, D VanVeen, T Thomas, S MacFarlane, I Govia, M Rambaran, R Emmanuel, R Nasiro, A Abdulkadri, T Palmer, J Sandall, L Poston, U Read, TA Samuels, R Wilks, K Cruickshank, S Harding

11:15 am (O-39) Incidence of Group B Strep (Streptococcus agalactiae) colonisation among pregnant women attending the Linden Hospital Complex
P Cheddie, S Blair, J Doris, R Ross

(O-40) Overview of cardiovascular patients admitted at the Academic Hospital Paramaribo between 2014 and 2017 in Suriname with a multi-ethnic population
V Bhawan-Jairam, S Sairras, M Sewbhagan, L Samidin, A Jarbandhan, G Oehlers

11:30 am (O-41) Efficacy of levofloxacin loaded niosomes (non-ionic surfactant vesicles) in a model of Pseudomonas aeruginosa infected Sprague Dawley rats
S Jankie, J Johnson, AS Adebayo, GK Pillai, LM Pinto-Pereira

(O-42) Supporting the improvement of data availability for cancer control and prevention in the Caribbean
S Quesnel-Crooks, G Andall-Breerton, D Martin, B Kohler, B Edwards, L Mery

Time CONCURRENT SESSIONS

	<p>Session 5a: COMMUNICABLE DISEASES/ ENVIRONMENTAL HEALTH Chairpersons: P Adams, S Stewart Room: Grand Ballroom</p>	<p>Session 5b: NON-COMMUNICABLE DISEASES II Chairpersons: K Cruickshank, MM Madhuvanti Room: Scarlet Ibis Room</p>	
11:45 am	<p>(O-43) An evaluation of a chromogenic medium for the identification of methicillin resistant Staphylococcus aureus (MRSA) in clinical specimens E Tyrell, L Richards, T Mentore, SB Lewi, N Roach</p>	<p>(O-44) African Americans, Afro-Caribbeans and Africans: different cancer patterns in populations of African descent in the United States of America PS Pinheiro, KE Callahan, C Ragin, EN Kobetz</p>	
12:00 pm	<p>(O-45) Risk-taking sexual behaviours among young adults – findings from the HIV/STI related Knowledge, Attitudes, Beliefs and Sexual Practices Survey among Adults aged 15 to 49 years in Barbados N Drakes, J Wiltshire-Gay, K Mohammed, A Kumar</p>	<p>(O-46) The occurrence of chronic sorrow and coping strategies employed by adult oncology patients in Western Jamaica VH Waugh-Brown</p>	
12:15 pm	<p>(O-47) Low birthweight in Human Immunodeficiency Virus-exposed uninfected infants in Georgetown, Guyana P George</p>	<p>(O-48) A qualitative study exploring the impact of Type 1 diabetes on Barbadian adolescents aged 10 to 19 years HJ Massiah, MM Madhuvanti</p>	
12:30 pm	<p>CARPHA LATE BREAKER 2 Flu or Fungus? Histoplasmosis in a mine in Guyana</p>		
12:45 pm	<p>NETWORKING LUNCH/LECTURE Room: LA Boucan Room</p>		
1:30 pm	<p>CARPHA Clinical Care Guidelines Launch</p>		
1:45 pm	<p>FEATURE LECTURE 4 Chairperson: D Ramdath</p>		
	<p><i>ECHORN at eight years: promoting cross-island collaboration to further non-communicable disease research</i> <i>P Adams and R Maharaj</i> Room: Grand Ballroom</p>		
	<p>Session 6a: COMMUNICABLE DISEASES/ ENVIRONMENTAL HEALTH Chairpersons: M Lichtveld, R Adams Room: Grand Ballroom</p>	<p>Session 6b: CARPHA 6-Point Policy Package Chairpersons: J Hospedales, D Ramdath Room: Scarlet Ibis Room</p>	<p>Session 6c: Coaching Workshop – Young Researchers Chairpersons: M Reid, S Stewart Room: Flamingo Room</p>
2:30 pm	<p>(O-50) Taking on the challenge: the role of toxic element/heavy metal exposure in chronic kidney disease A Fevrier-Paul, AK Soyibo, N DeSilva, S Mitchell, M Voutchkov</p>	<p>Follow-up discussion by CARPHA research partners and interested stakeholders</p>	<p>Coaching session for young researchers Workshop and Exercise</p>

2:45 pm **(O-51) Sources and concentrations of mercury and methylmercury in pregnant women from Suriname: implications for public health**
J Wickliffe, M Lichtveld,
P Ouboter, G Landburg, S
MacDonald-Ottevanger, W
Zijlmans

How do we tackle the 6-PPP implementation in CARPHA's Health Research Agenda?

3:00 pm **(O-52) Impact of Hurricane Maria on environmental determinants of health in Dominica**
CF Allen, RMD West,
D Johnson, S St Ville, I Cox,
CJ Hospedales

3:15 pm **(O-53) Using public health surveillance data to assess health impacts of severe weather events in Caribbean countries**
CF Allen, R Adams, RMD West,
D Johnson, CJ Hospedales

3:30 pm **(O-54) An evaluation of regional cardiovascular disease and cancer research needs using conference abstracts**
GA Williamson, S Rodrigo,
CC Ragin, E Blackman,
JR Beck, MK Tulloch-Reid

3:45 pm **End of Sessions**

6:30 pm **Awards Banquet**

DAY 3: Saturday, June 22, 2019

8:00 am **FEATURE LECTURE 5**
Chairperson: *G Hutchinson*
Cancer Control in the Caribbean: Progress and Challenges
D Sarfati
Room: **Grand Ballroom**

Time **Session 7:**
NUTRITION I
Chairpersons: *A Samuels, S Persaud*
Room: **Grand Ballroom**

8:45 am **(O-55) Promoting healthy school food environments in Jeddah, Saudi Arabia: an adolescent led canteen intervention appeals care providers**
M Almughamisi, M O'Keeffe, S Harding

- 9:00 am (O-56) Fruit and vegetable consumption and mental health across adolescence: evidence from a diverse urban British cohort study**
P Huang, M O’Keeffe, C Elia, A Karamanos, L Goff, M Maynard, JK Cruickshank, S Harding
- 9:15 am (O-57) The impact of the ketogenic diet on the quality of life among cancer patients attending an outpatient clinic in the Caribbean: a randomized controlled trial**
E Augustus, I Granderson
- 9:30 am (O-58) Fish consumption patterns among pregnant women in the Caribbean Consortium for Research in Environmental and Occupational Health (CCREOH) cohort and fatty acid profiles in select freshwater and marine species of fish in Suriname**
LF Soares, P Ouboter, F Abdoel Wahid, AD Hindori-Mohangoo, S Mac Donald Ottevanger, CW Zijlmans, MY Lichtveld, JK Wickliffe
- 9:45 am (O-34) Promoting equity in diabetes care for African-Caribbean communities in the United Kingdom: the Healthy Eating and Active Lifestyles for Diabetes (HEAL-D) culturally-tailored diabetes self-management programme**
LM Goff, AP Moore, C Riva, S Harding
- 10:00 am (O-60) A participatory evaluation of a school feeding programme intervention applying a Theory of Change approach: a case of St Kitts and Nevis**
A Saint Ville, G Hickey, E Rouwette, A Samuels, L Guariguata, N Unwin, L Phillip
- 10:15 am (O-67) Management, co-morbidities and outcome of malnourished children at Georgetown Public Hospital Corporation**
A Rose, B Alladin
- 10:30 am COFFEE BREAK/POSTERS/ EXHIBITS**
Room: Grand Ballroom

**Time Session 8:
NUTRION AND FAMILY HEALTH
Chairpersons: J Hospedales, G Avery
Room: Grand Ballroom**

- 11:00 am (O-61) Measurement of plasma volume in childhood severe acute malnutrition: a comparison of two methods of calculation using Evan’s Blue technique**
DJ Thomas, SM Howell, AV Badaloo, ME Reid
- 11:15 am (O-62) Burden of hospitalizations and mortality from acute severe asthma among children in Barbados, 2013–2016**
A Kumar, K Krishnamurthy, N Belgrave
- 11:30 am (O-63) Body size of adolescents: perceptions of mother and child**
JL Paul-Charles, OP Adams
- 11:45 am (O-64) The association of early life factors with bone mass in Jamaican adolescent children**
CR Taylor-Bryan, AV Badaloo, MS Boyne, C Osmond, TE Forrester
- 12:00 pm (O-65) Knowledge, attitude and practices of registered nurses towards pain management of sickle cell anaemia patients at Georgetown Public Hospital, Guyana**
M Hoyte K Ramsaroop, L Stephanas
- 12:15 pm (O-66) Can public health interventions be applied to prevent the purchase of alcohol by minors in Trinidad and Tobago? A systematic review of the existing evidence**
VA Partapsingh, ZCM Mohammed
- 12:30 pm Presentation of Prizes and Closing Remarks**