



CARIBBEAN PUBLIC HEALTH AGENCY
60th ANNUAL CARPHA HEALTH RESEARCH CONFERENCE
St George's University Campus, St George's, Grenada
June 25 – 27, 2015

Programme

Sunday, June 21, 2015

8:00 am **Meeting of CARPHA's Technical Advisory Committee (closed)**

Monday, June 22, 2015

8:00 am **23rd Meeting of the CARICOM Chief Medical Officers (closed)**

8:00 am **Data Analysis Training Workshop**

Tuesday, June 23, 2015

8:00 am **23rd Meeting of the CARICOM Chief Medical Officers (closed)**

8:00 am **Data Analysis Training Workshop**

8:00 am **Evidence Informed Policy Workshop (closed)**

Wednesday, June 24, 2015

8:00 am **Data Analysis Training Workshop**

8:00 am **Stakeholder Policy Dialogue (closed)**

Thursday, June 25, 2015

Session 1

Opening Session

Chairpersons: J St John, D Ramdath

KB Taylor Hall

(O – 1) 8:00 am **Injuries and violence in the Caribbean: How big is the problem?**

S Crooks, A Hinds, E Bissessarsingh, MA Ivey

(O – 2) 8:15 am **The social determinants of diabetes and cardiovascular disease risk factors in Barbados: Findings from the Health of the Nation study**

C Howitt, IR Hambleton, AMC Rose, AJM Hennis, KS George, N Unwin

(O – 3) 8:30 am **Education of health professionals for preventing diabetic foot ulceration: A systematic review**

DK Francis, TS Ferguson, PA Lazzarini, C Cumberbatch, SD Jen, NR Bennet, V Welch

(O – 5) 8:45 am **The relationship of breast milk intake as assessed with deuterium dilution on growth and body composition of infants in Jamaica at three months**

S Whyte, T Royal-Thomas, A Badaloo, M Reid

(O – 6)	9:00 am	Maternal infant feeding styles and the risk for overweight in Caribbean infants <i>AS Wright, MK Tulloch-Reid, SM Chang, SP Walker</i>
(O – 7)	9:15 am	Health perceptions, behaviours and overweight/obesity status of Turks and Caicos elementary school children: A collaborative model to address nutrition and healthy lifestyles in the Turks and Caicos school curriculum <i>S McCartney, TE Maitland, S Malcolm, K Malcolm, K Smith, C Henry, B Kalyn, DD Ramdath</i>
	9:30 am	Feature Lecture 1 “Investing in violence and injury prevention: A Caribbean imperative” <i>E Ward</i> <i>KB Taylor Hall</i>
	10:15 am	COFFEE BREAK/POSTERS/EXHIBITS <i>KB Taylor Hall</i>
Session 2a		Interpersonal Violence Chairpersons: S Keizer Beache, W Adu Krow KB Taylor West
(O – 8)	11:00 am	Gang formation and gang structure in Aruba: Why do they persist? <i>RS Lopez</i>
(O – 9)	11:15 am	The risk factors to youth violence: Findings from the CARICOM Youth Crime and Violence School Survey, Bahamas <i>B Reynolds, K Rigby, N Brathwaite</i>
(O – 10)	11:30 am	Violence among adolescents in 13 Caribbean islands <i>S Peters-St John, D Thomas, S Rodrigo</i>
(O – 11)	11:45 am	Heavy drinking and violent behaviour in youths in Guyana <i>P Singh, W Adu-Krow</i>
(O – 12)	12:00 pm	Are women the main victims of violence within relationships? Prevalence, type and frequency of intimate partner violence and aggression by gender in Barbados, Jamaica and Trinidad and Tobago <i>CF Allen, IR Hambleton, K Quimby, E Le Franc</i>
(O – 13)	12:15 pm	Exploring perceptions and impact of violence as experienced by the Emergency Department staff of the Princess Margaret Hospital in The Bahamas <i>BM Sweeting</i>
(O – 14)	12:30 pm	Workplace violence against medical staff in public primary healthcare facilities in Barbados <i>MN Abed, EHP Morris, NP Sobers-Grannum</i>
	12:45 pm	LUNCH Sponsor: Gilead Sciences Inc KB Taylor Hall “Latest progress in HIV treatment” <i>D Warren</i>

Session 2b	Concurrent	Nutrition Chairpersons: S Walker, RC Landis KB Taylor East
(O – 15)	11:00 am	Disordered eating behaviours and attitudes in Jamaican adolescents: Do the media play a role? A Harrison, C James, S Chang
(O – 16)	11:15 am	Role of fathers in overweight prevention: An analysis of a Caribbean cohort JA Smith, KD Rocke, SM Charles, SM Chang, SP Walker, EM Taveras, MK Tulloch-Reid
(O – 17)	11:30 am	Nutritional status and eating habits among public primary school children aged 9–13 years in education districts 2, 3, 4 in St Lucia as well as food preferences of their parents/guardians S Rameau, M Webb, S Bawa
(O – 18)	11:45 am	An assessment of dietary and physical activity behaviours of adolescents in selected secondary schools of Guyana L Stephanas
(O – 19)	12:00 pm	Overweight and obesity among Grenadian adolescents: Rural and urban differences in social determinants R Radix, R Andall, N Andall, C Radix, R Frank, J Benjamin, J James, R Benjamin, TP Noël, C Leonardi, L Chi, M Sothern, R Scribner
(O – 20)	12:15 pm	Measuring changes in nutritional knowledge: A nutrition education intervention among primary school children in Trinidad and Tobago M Webb, I Francis-Granderson, K Gray-Donald, M Dowrich
(O – 21)	12:30 pm	Quality of street food in Trinidad S Seebaransingh, I Dialsingh, S Pooransingh
	12:45 pm	LUNCH Sponsor: Gilead Sciences Inc KB Taylor Hall “Latest progress in HIV treatment” D Warren
Session 3a	Concurrent	Substance Use Chairpersons: G Hutchinson, P Adams KB Taylor West
(O – 22)	2:00 pm	Substance use, age at migration and length of residence among adult Caribbeans in the United States HER Hunte, SS Singh, YF Thomas
(O – 24)	2:15 pm	Detecting alcoholism in primary care among Trinidadians: Using the CAGE and AUDIT-C screening tools C Smith, F Khan, NR Lewis, R Leo, A Maharajh, DC Ballack, K Mungrue
(O – 25)	2:30 pm	National Alcohol Survey of Households in Trinidad and Tobago (NASHTT): The impact of alcohol on households RG Maharaj, MS Motilal T Babwah, P Nunes, R Brathwaite, G Legall, SD Reid

(O – 26)	2:45 pm	<i>Alcohol policy in the English-speaking Caribbean: A civil society perspective</i> RG Maharaj, TA Hassell, M Hutton
(O – 27)	3:00 pm	<i>The National Alcohol Survey of Households in Trinidad and Tobago (NASHTT): Willingness to support changes in policy, laws and regulations</i> RG Maharaj, T Babwah, MS Motilal, P Nunes, R Brathwaite, G Legall, SD Reid
	3:15 pm	<i>COFFEE BREAK/POSTERS/EXHIBITS</i> KB Taylor Hall
Session 3b	Concurrent	<i>Communicable Diseases</i> Chairpersons: R Cummings, C Macpherson KB Taylor East
(O – 28)	2:00 pm	<i>Lessons from the field – Experience from the Ebola outbreak in Guinea, November–December 2014</i> AMC Rose, M Diakit�, KB Diawara, M Gbhimou, T Seyler, B Diallo
(O – 29)	2:15 pm	<i>Chikungunya in the Western Hemisphere: A review of the 2014 epidemic, the potential long-term impact and research opportunities</i> AD LaBeaud, CJ Heath, TP No�l, D Jungkind, G Mitchell, K Yearwood, D Noel, CH King, CNL Macpherson
(O – 30)	2:30 pm	<i>Clinical, molecular and serological outcomes of the chikungunya outbreak in Grenada</i> CNL Macpherson, TP No�l, D Jungkind, K Yearwood, P Fields, M Simmons, S Widjaja, G Mitchell, D Noel, S Bidaisee, D LaBeaud, C King, TE Myers
(O – 31)	2:45 pm	<i>Dengue deaths – Length of hospital stay, haematological parameters and presence of co-morbidities</i> S Pooransingh, S Teelucksingh, I Dialsingh
(O – 32)	3:00 pm	<i>Exploratory space-time analysis of dengue incidence in Trinidad: A retrospective study, 1998–2004</i> K Sharma, RS Mahabir, KM Curtin, JM Sutherland, JB Agard, DD Chadee
(O – 33)	3:15 pm	<i>The current prevalence and potential elimination of the soil transmitted helminths from Grenada</i> TP No�l, C Radix, R Pinckney, C Coomansingh, PJ Fields, CNL Macpherson
	3:30 pm	<i>COFFEE BREAK /POSTERS/EXHIBITS</i> KB Taylor Hall
Session 4a	Concurrent	<i>Injuries</i> Chairpersons: E Ward, N Unwin KB Taylor West
(O – 34)	4:00 pm	<i>Patterns of violence-related injuries presenting to the Cornwall Regional Hospital</i> PJ Toppin, E Ward, T McCartney, J East
(O – 35)	4:15 pm	<i>Trends in reported occupational injury claims for Grenada and Dominica</i> M Forde, L Mitchell
(O – 36)	4:30 pm	<i>The economic impact of road traffic fatalities in Jamaica</i> A Evans

Session 4b	Concurrent	Laboratory Studies – Nutraceuticals Chairpersons: D Chadee, TP Noël KB Taylor East
(O – 37)	4:00 pm	Effects of nutraceuticals on sprouting of cultured human umbilical vein endothelial cells and growth of sub-intestinal vessels in zebra fish embryos DRA Mans, JK Wickliffe, M Djotaroeno, P Frierson, J Pawirodihardjo, I Magali, RC Soekhoe, JR Toelsie, JA Hasrat, R Bipat
(O – 38)	4:15 pm	Evaluation of Surinamese medicinal plants for their effects on the contractility of hypoxic guinea pig myocardial tissue R Bipat, JR Toelsie, I Magali, R Soekhoe, K Stender, A Wangsawirana, K Oedairadsingh, J Pawirodihardjo, DRA Mans
(O – 39)	4:30 pm	Moringa oleifera seeds increase serum cholesterol concentration in rats K Knight, P Thomas, M McKoy
	4:45 pm	End of Sessions
	6:30 pm	Opening Ceremony
Friday, June 26, 2015		
	7:00 am	Breakfast Session “Intervention studies: Their design and analysis” D Ramdath KB Taylor Hall
	8:00 am	Feature Lecture 2 Chairperson: M Bullock DuCasse “Decreasing gynaecological cancer mortality in the region” H Fletcher KB Taylor Hall
Session 5a	Concurrent	Cardiovascular Diseases Chairpersons: JK Cruickshank, R Wilks KB Taylor West
(O – 40)	8:45 am	Everything with a pinch of salt: What knowledge have adult Barbadians gained from recent salt reduction messages and what impact have the messages had on their dietary choices? LM Bayley, M Murphy
(O – 41)	9:00 am	The association between personality types and medication adherence among adult hypertensive patients P Brown, K James, A McCaw-Binns, A Standard Goldson
(O – 42)	9:15 am	The distribution of CYP2C19*2 allele in a Trinidadian population: Is clopidogrel the right choice? M Wyke, V Ramkissoon, I Griffith, M Ramnath, A Verma, C Carmichael, M Soo Ping Chow, K Mungrue, K O'Brien, A Mark
(O – 43)	9:30 am	Impacts of mid to later childhood body build, social circumstance and blood pressure on early-adult arterial stiffness in different ethnic groups JK Cruickshank, M Joao da Silva, A Cassidy, A Karamanos, OR Molaodi, U Read, S Harding

(O – 44)	9:45 am	<i>Trends in stroke and acute myocardial infarction in Barbados, 2009–2013</i> AMC Rose, LS Craig, TN Martelly, L Maul, DOC Corbin, R Delice, KS George, T Blackman, TA Hassell, AJM Hennis, IR Hambleton
	10:00 am	<i>COFFEE BREAK/POSTERS/EXHIBITS</i> KB Taylor Hall
	10:45 am	<i>Feature Lecture 3</i> <i>Chairperson: T Maitland</i> <i>“Jamaican early childhood interventions: Global impact”</i> S Walker KB Taylor Hall
Session 5b	Concurrent	<i>HIV</i> <i>Chairpersons: MA St John, G Beneby</i> <i>KB Taylor East</i>
(O – 45)	8:45 am	<i>Fear of violence increases risk behaviours of persons living with HIV in Guyana</i> K Gordon-Boyle, JP Figueroa
(O – 46)	9:00 am	<i>Expressed and unexpressed factors related to condom use in the Turks and Caicos Islands</i> S Malcolm, A Robinson, H Henry
(O – 47)	9:15 am	<i>Outcomes of indicators for the elimination of mother-to-child transmission HIV Cascade in Barbados</i> MA St John, S Crichlow, A Best
(O – 48)	9:30 am	<i>What you do not know may hurt your patients: Examining healthcare students’ reactions toward people living with HIV</i> J Philip, R Yearwood
(O – 49)	9:45 am	<i>HIV Gateway: Expanding access to Caribbean HIV research via a website</i> CF Allen, C Halsall, IR Hambleton, A Delaney, C Gittens, M Gittens, RC Landis
	10:00 am	<i>COFFEE BREAK/POSTERS/EXHIBITS</i> KB Taylor Hall
	10:45 am	<i>Feature Lecture 3</i> <i>Chairperson: T Maitland</i> <i>“Jamaican early childhood interventions: Global impact”</i> S Walker KB Taylor Hall
Session 6a	Concurrent	<i>Mental Health</i> <i>Chairpersons: M Lichtveld, C Williams</i> <i>KB Taylor West</i>
(O – 50)	11:30 am	<i>The Determinants of Young Adult Social Well-being and Health (DASH) study: The influence of parenting and religious involvement on mental health</i> S Harding, UM Read, OR Molaodi, A Cassidy, MJ Maynard, E Lenguerrand, T Astell-Burt, A Teyhan, M Whitrow
(O – 51)	11:45 am	<i>Self-rated health, traumatic experiences and School of Arts and Sciences students’ satisfaction with life</i> W Crawford, R Burris

(O – 52)	12:00 pm	Reducing re-admissions at St Ann's psychiatric hospital <i>S Pierre, A Carrington, C McDavid</i>
(O – 53)	12:15 pm	Non-fatal suicidal behaviour – Associated factors <i>A Kissoon, A Prudhum-Ali, A Joseph, B Taklal, C Charles, K Mose, M Lalchan, S Pooransingh, G Hutchinson</i>
(O – 54)	12:30 pm	Profile of suicidal behaviour in Guyana: A retrospective study from 2010–2012 <i>B Harry, J Balseiro, I Harry, A Schultz, R McBean</i>
(O – 55)	12:45 pm	Mobile health technology-enabled community health workers as pesticide interventionists in rural Suriname <i>R Ramjatan, W Hawkins, T Graafsma, A van Sauers, D Hamer, M Lichtveld</i>
	1:00 pm	LUNCH Sponsor: Gilead Sciences Inc KB Taylor Hall “Latest progress in hepatitis (B and C) treatment” <i>D Warren</i>
Session 6b	Concurrent	Cancers Chairpersons: M Reid, G Avery KB Taylor East
(O – 56)	11:30 am	Cancer in Barbados: First year of data from the National Cancer Registry in Barbados <i>LS Craig, TN Martelly, RN Harewood, JM Campbell, PR Prussia, KS George, T Blackman, LE Williams, SS Connell, IR Hambleton, AJM Hennis, AMC Rose</i>
(O – 57)	11:45 am	Prostatic-specific antigen, Gleason score and epidemiology of prostate cancer in Grenada <i>R Yearwood, PS Pinheiro, R Hage</i>
(O – 58)	12:00 pm	Demographics of breast cancer in a small cohort of women in the Caribbean <i>S George, T Donenberg, M Akbari, C Alexis, G Wharfe, S Yin, H Dyer, T Turnquest, V DeGennaro, J Ali, SA Narod, J Hurley</i>
(O – 59)	12:15 pm	Perception of care by cancer patients attending outpatient clinics in Trinidad and Tobago <i>Z Ali, A Richardson, A Lum Lock-Cardinez, DI Picou</i>
(O – 60)	12:30 pm	Understanding human papillomavirus vaccine receipt among women and adolescents in Trinidad and Tobago <i>N Modeste, D Sealy, P Dyett</i>
(O – 61)	12:45 pm	Exploring the reasons why Barbadian mothers consent, or do not consent for their preteen daughters to receive the human papillomavirus vaccine <i>J Serrano, MM Murphy</i>
	1:00 pm	LUNCH Sponsor: Gilead Sciences Inc KB Taylor Hall “Latest progress in hepatitis (B and C) treatment” <i>D Warren</i>
Session 7a	Concurrent	Diabetes Chairpersons: C Powell, M Tulloch-Reid KB Taylor West

(O – 62)	2:00 pm	Health inequities in diabetes, its risk factors and adverse outcomes in populations living in the Caribbean: A systematic review NP Sobers-Grannum, M Murphy, A Nielsen, C Guell, TA Samuels, L Bishop, N Unwin
(O – 63)	2:15 pm	The importance of gender as a social determinant of diabetes in the Caribbean: A systematic review and meta-analysis NP Sobers-Grannum, M Murphy, A Nielsen, C Guell, TA Samuels, L Bishop, N Unwin
(O – 64)	2:30 pm	An evaluation of psychological well-being and secular trends in the occurrence of Type 2 diabetes 1993–2014 in outpatients in a community L Paul, K Peter, B Ramdass, R Richardson, K Mungrue
(O – 65)	2:45 pm	Evaluating the risk of obstructive sleep apnoea in Type 2 diabetic patients, and its associations M Fernandes, P Teelucksingh, S Sakhamuri, A Mangroo, S Hosein, S Barrow, C Ali, A Baksh, S Joogloo
(O – 66)	3:00 pm	High prevalence of diabetes mellitus in a cohort of Trinidadian patients with chronic obstructive pulmonary disease K Rambaran, B Bhagan, A Ali, F Ali, S Toolsie, R Lobin, S Beharry, S Ghany, S Mohammed, G Davis, S Sakhamuri, S Teelucksingh, T Seemungal
(O – 67)	3:15 pm	The impact of self-monitoring of blood glucose on metabolic control in patients with Type 2 diabetes: A developing country perspective K Mungrue, V Farrell-Williams
(O – 68)	3:30 pm	Footwear choice and the prevalence of peripheral neuropathy in a population-based sample of people with diabetes in Barbados OP Adams, JR Herbert, N Unwin
(O – 69)	3:45 pm	Albumin/creatinine ratio as an indicator of diabetic foot in a Barbados population AR Greenidge, AP Browne, IR Hambleton, RC Landis
(O – 70)	4:00 pm	Association of genetic variants in the HNF4A and HNF1B genes with early onset Type 2 diabetes mellitus in the Indo- and Afro-Trinidadian populations LG Boodram, K Miyake, GI Bell, BN Cockburn
Session 7b	Concurrent	Family Health Chairpersons: M Thame, D Stephens KB Taylor East
(O – 71)	2:00 pm	Effect of overweight and obesity on pregnancy and birth outcomes E Greenaway, K Fearon, M Thame
(O – 72)	2:15 pm	Sociodemographic factors impacting infant mortality in The Bahamas N Brathwaite, C Deleveaux, G Dean
(O – 73)	2:30 pm	Parent and caregiver knowledge, beliefs and responses to seizures in Jamaican children D Hall-Parkinson, R Melbourne Chambers, J Tapper
(O – 74)	2:45 pm	Use of the M-CHAT to screen for autism spectrum disorder among toddlers aged 16 to 30 months in Region 4 Guyana: A pilot study L Rampersad, K Rampersad, D Durga, A Homenauth, S Burch-Smith

(O – 75)	3:00 pm	<i>A parenting intervention delivered at routine primary health visits improved child cognitive development and parenting knowledge</i> SM Chang, SM Grantham-McGregor, CA Powell, M Vera-Hernández, F Lopez-Boo, H Baker-Henningham, SP Walker
(O – 76)	3:15 pm	<i>Short-term impact of educational interventions on disease knowledge, illness perception and quality of life among Jamaican adolescents with sickle cell disease</i> A Barton-Gooden, M Grindley, J Knight-Madden, M Asnani
(O – 77)	3:30 pm	<i>Epidemiological risk factors, knowledge and attitudes concerning osteoporosis among women in a primary care setting in Nassau, Bahamas</i> KC Smith, CL Chambers, S Pinder-Butler, MA Frankson
(O – 78)	3:45 pm	<i>Correlates of vigorous physical activity in adolescents in five secondary schools in Trinidad</i> F Lutchmansingh, T Seemungal, S Pooransingh, L Pinto Pereria, S Nayak, S Teelucksingh
(O – 79)	4:00 pm	<i>Individual and school-level influences on moderate and vigorous physical activity in Grenadian adolescents</i> R Radix, R Benjamin, R Andall, N Andall, C Radix, R Frank, J Benjamin, J James, TP Noël, M Mohler, S Broyles, C Leonardi, L Chi, N Simonsen, M Sothern, R Scribner
	4:15 pm	<i>End of Sessions</i>
	6:30 pm	<i>Awards Banquet</i>

Saturday, June 27, 2015

Session 8

Health Services
Chairpersons: J Hospedales, G Mitchell
KB Taylor Hall

(O – 80)	8:30 am	<i>An epidemiological description of illness in passengers and crew at the Bridgetown Barbados Port and Cruise Terminal</i> C Marshall, EHP Morris, NC Unwin
(O – 81)	8:45 am	<i>Inbound medical tourism to Barbados: A qualitative examination of local lawyers' prospective legal and regulatory concerns</i> VA Crooks, IG Cohen, K Adams, R Whitmore, J Morgan
(O – 82)	9:00 am	<i>Policy implications of medical tourism development in destination countries: Revisiting and revising an existing framework by examining the case of Jamaica</i> R Johnston, VA Crooks, M Ormond
(O – 83)	9:15 am	<i>Guidelines for preoperative investigations for elective surgery at Queen Elizabeth Hospital: Effects on practices, outcomes and costs</i> J Nicholls, P Gaskin, YK Areti
(O – 84)	9:30 am	<i>Screening for chronic kidney disease in east Trinidad using the National Kidney Foundation guidelines</i> S Khan, R Bisnath, J Jaipaul, J Doodhai, D Ramlal, S Boodram, P Chin-Kong, J Badhal, L Roberts, K Mungrue

(O – 85)	9:45 am	<i>Perceived barriers to seeking medical care among middle-aged and older men and women in the British Virgin Islands</i> CA Glover-Walton
(O – 86)	10:00 am	<i>Reducing health disparities and improving health equity in the United States of America and St Lucia</i> KB Holden, L Charles, S King, BS McGregor, DE Satcher, AS Belton, DJ Beech, D Satcher
(O – 87)	10:15 am	<i>Management/leadership of health systems of small island developing states of the English-speaking Caribbean</i> DE Greaves
	10:30 am	<i>COFFEE BREAK/POSTERS/EXHIBITS</i> KB Taylor Hall
Closing Session		<i>Chairpersons: H Fletcher, M Forde</i> KB Taylor Hall
(O – 89)	11:00 am	<i>Marijuana use and quality of sperm for fertility competency: A preliminary investigation</i> AM Pottinger, KN Carroll, GE Mason, N Parkins
(O – 90)	11:15 am	<i>Association between health literacy, inhaler technique and disease control in obstructive airway disease</i> D Blackman, A Jagdeo, S Harry, I Mohammed, R Basdeo, LM Pinto Pereira, S Sakhamuri, TA Seemungal
(O – 91)	11:30 am	<i>The mental and physical health of severely and non-severely abused US black Caribbean women</i> K Lacey, D Mouzon
(O – 92)	11:45 am	<i>Ethnic and gender disparities in premature adult mortality in Belize 2008–2010</i> F Morey, IR Hambleton, NC Unwin, TA Samuels
(O – 93)	12:00 pm	<i>Racism triggers smoking in British ethnic minority adolescents: Evidence from the Determinants of Young Adult Social Well-being and Health (DASH) longitudinal study</i> UM Read, A Karamanos, A Cassidy, M Joao da Silva, OR Molaodi JK Cruickshank, S Harding
	12:15 pm	<i>Feature Lecture 4</i> <i>“Climate Change and Aedes aegypti: Impacts on the transmission dynamics of dengue and chikungunya in Trinidad, West Indies”</i> D Chadee
	12:30 pm	<i>Presentation of Prizes and Closing Remarks</i> DT Simeon