

63rd ANNUAL CARPHA HEALTH RESEARCH CONFERENCE

St Kitts Marriott Resort & The Royal Beach Casino

St Kitts and Nevis

June 14–16, 2018

Oral Programme



DAY 1: Thursday, June 14, 2018

Session 1 OPENING SESSION

8:00 am FEATURE LECTURE 1

Chairperson: R Ewing

Secure investments in non-communicable disease scale-up in the Caribbean through research and evidence

C Gorre

Room Assignment: Saba

8:45 am PANEL DISCUSSION: Sustainable Health Systems for Economic Growth, Development and Wealth

Chairperson: R Ewing

H Laws, CJ Hospedales, C Gorre, K Theodore, F Bray

9:45 am COFFEE BREAK/POSTERS/EXHIBITS

Room Assignment: Antigua

Time CONCURRENT SESSIONS

Session 2a:

HEALTH SYSTEMS: POLICY AND PLANNING I

Chairpersons: M Frederick-James, N Slack-Liburd

Room Assignment: Saba

Session 2b:

PUBLIC HEALTH I

Chairpersons: P Adams, W Adu-Krow

Room Assignment: Antigua

10:30 am (O-1) Assessing the impact of the Barbados sugar sweetened beverage tax on grocery store beverage sales: An interrupted time series analysis
M Alvarado, J Adams, M Suhrcke, I Hambleton, TA Samuels, N Unwin

(O-9) Mercury levels in hair from pregnant women in Suriname
P Ouboter, G Landburg, M Lichtveld, W Zijlmans, S MacDonald-Ottevanger, J Wickliffe

10:45 am (O-2) Physical and mental health of adolescents in Latin America and the Caribbean: Societal specific context regardless of national wealth — a key consideration
C Elia, M O’Keeffe, D Browne, R Gobin, S Goberdhan, S Hutson, A Dregan, T George, I Wolfe, A Samuels, JK Cruickshank, R Wilks, C Morgan, J Sandall, L Poston, S Harding

(O-10) Generic drug use: A 2017 survey of primary care physicians’ knowledge, attitudes and practices in Barbados
W Jones, H Harewood

11:00 am (O-3) Integrated health systems planning as a tool to strengthen health systems in the tropical rainforest interior of Suriname
GK Baldewsingh, ED van Eer, MS Mac Donald-Ottevanger, MY Lichtveld, L Shi, CWR Zijlmans

(O-11) A cross-sectional study investigating texting and driving in Grenada, West Indies
J Ducey, R Malave, S Bidaisee

Time	CONCURRENT SESSIONS	
	Session 2a: HEALTH SYSTEMS: POLICY AND PLANNING I Chairpersons: M Frederick-James, N Slack-Liburd Room Assignment: Saba	Session 2b: PUBLIC HEALTH I Chairpersons: P Adams, W Adu-Krow Room Assignment: Antigua
11:15 am	(O-4) Post-flood disaster impact of perinatal healthcare coverage on birth outcomes in the rainforest interior of Suriname LF Soares, ED van Eer, B Jubitana, AR Gokoel, ML Lichtveld, CWR Zijlmans	(O-12) An assessment of how obesity levels vary with demographic factors in students entering secondary schools in Georgetown N Paul, T Griffith, K Bynoe, D Scott, H Langevine, Y Armstrong, S Hutson, A Alladin, R Gobin
11:30 am	(O-5) Developing a systems model to inform policies for diabetes prevention in the Caribbean: A co-design approach to engage stakeholders in policy development and evaluation L Guariguata, C Guell, TA Samuels, EAJA Rouwette, J Woodcock, IR Hambleton, N Unwin	(O-13) Determinants of health behaviour using a modified Health Belief Model: The case of tobacco smoking in secondary school students in Guyana in 2015 V Bachan, W Adu-Krow
11:45 am	(O-6) Health determinants and health outcomes for low-income adults living in public housing communities: Focus on obesity, overall health and quality of life N Michael, J Valmond, J James, G Callwood	(O-14) Parental smoking and peer pressure as predictors of adolescent smoking: The case of Guyana W Adu-Krow, V Bachan
12:00 noon	(O-7) Availability of medicines in public sector health facilities of four vulnerable Regions: 1, 7, 8 and 9 in Guyana G Dath, AV Raja	(O-15) Association between body composition and physical function in urban Jamaican elderly men and women: Assessing sarcopenia B Chambers, AV Badaloo, M Reid, O Brown, L Wilson
12:15 pm	(O-8) Geographic information systems vector surveillance capacity building: Results from the Caribbean DP Evans, A Gates, N DeSousa-Williams, O Manders, LS Martin, M Coleman, S Dunkley, A South, M Stanton, R Ragoo, K Polson-Edwards, R Levine, A Lenhart	(O-16) The prevalence of maternal depression in a primary care setting, in a small Island state with a high gross national income per capita V Persad, A Peters, K Mungrue, A Phakira, M Pheerangee, S Peter, A Phillips, A Pinder
12:30 pm	LUNCH Room Assignment: Calypso Restaurant	
1:30 pm	FEATURE LECTURE 2: Chairperson: B Bain Global cancer trends to global cancer action F Bray Room Assignment: Saba	

Time	CONCURRENT SESSIONS	
	Session 3a: HEALTH SYSTEMS: POLICY AND PLANNING II Chairpersons: A Samuels, C Gorre Room Assignment: Saba	Session 3b: PUBLIC HEALTH II Chairpersons: M Lichtveld, M Murphy Room Assignment: Antigua
2:15 pm	(O-17) Diabetes and related risk factors disproportionately affect Caribbean women: An updated systematic review and meta-analysis of diabetes and determinants L Guariguata, C Brown, NP Sobers, IR Hambleton, TA Samuels, N Unwin	(O-21) Investigating the seroprevalence of Chikungunya virus antibodies in new rheumatoid arthritis patients at two rheumatology clinics in Kingston, Jamaica F Bailey, G Gordon-Strachan, K Maloney, I Vickers, K De Ceulaer, S Davis, M Gossell-Williams
2:30 pm	(O-18) Caribbean network of pharmacovigilance and post-market surveillance (VIGICARIB): First report R Extavour, D Ganga, C Preston	(O-22) Zika virus outbreak in 19 English- and Dutch-speaking Caribbean countries and territories, 2015–2016 L Francis, S Hunte, A Valadere, K Polson-Edwards, V Asin-Oostburg, C Hospedales
2:45 pm	(O-19) How and for whom do parental relationships predict problem behaviours among English-speaking Caribbean youth: A look at gender differences and the role of depressive symptoms SD Malcolm	(O-23) A qualitative exploration of the experiences and perceptions of women living with a diagnosis of breast cancer in Barbados: The need for empowerment J Vigilance, N Greaves, H Harewood
3:00 pm	(O-20) Sildenafil abuse among men at selected community pharmacy in a sub-urban community, Georgetown, Guyana, August 2017 D Van-Veen, J Glasgow, C Paramanand, J Saffie, D West	(O-24) Knowledge, attitudes, and practices regarding rabies in Grenada L Glasgow, A Worme, M Forde, E Keku, K Vemulapalli
2:15 pm – 3:15 pm	Session 3c: STRENGTHENING HEALTH PLANNING: THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) CARIBBEAN CANCER REGISTRY HUB Room Assignment: Dominica Chairpersons: S Quesnel-Crooks, J Alaro The global initiative for cancer registration: Building capacity to inform cancer control L Mery Supporting cancer registration in the Caribbean: The IARC Caribbean Cancer Registry Hub G Andall-Brereton The National Cancer Institute's role for cancer control in the Caribbean D Martin Building toward sustainability: Considerations from the BNR Model S Forde Questions and Answers	
3:15 pm	COFFEE BREAK/POSTERS/EXHIBITS Room Assignment: Antigua	

Time	CONCURRENT SESSIONS	
	Session 4a: HEALTH SYSTEMS: POLICY AND PLANNING III Chairpersons: V Asin-Oostburg, F Bray Room Assignment: Saba	Session 4b: STRENGTHENING GLOBAL CANCER RESEARCH AND CONTROL Chairpersons: G Andall-Brereton, D Martin Room Assignment: Antigua
3:45 pm	(O-25) Cancer care in Antigua and Barbuda and St Kitts and Nevis G Avery, J Graves, G Jones	Brief Overview of the NCI-CARPHA grant programme J Alaro
4:00 pm	(O-26) Our voices: Women’s perspectives on breast and cervical cancer screening and treatment in the English-speaking Windward Islands W Tarver, K Thomas-Purcell, C Richards, M Primus-Joseph, A McBurnie-James	(CARPHA-NCI Grantee 1) Gatekeepers’ perceptions of the quality and availability of services for breast and cervical cancer patients in the English-speaking Windward Islands: An exploratory investigation K Thomas-Purcell, W Tarver, C Richards, M Primus- Joseph
4:15 pm	(O-27) Vasectomy concerns as a primary modality for reproductive health in New Providence, The Bahamas: A qualitative study D Bain, R Roberts, C Farquharson, C Conliffe, M Frankson, F Williams, E Laville, N Bethel	(CARPHA-NCI Grantee 2) Cardiometabolic health in prostate cancer survivors and their controls: Results of the PROSCARE follow-up study M Tulloch-Reid, W Aiken, T Ferguson, N Bennett L Harrison, A Badaloo, D McGrowder, A Grindley, E Walker, M Jackson
4:30 pm	(O-28) Weight status and related risk factors among public school students on the east end of St Thomas, United States Virgin Islands JM Valmond, N Michael, J James, GB Callwood	(CARPHA-NCI Grantee 3) Pre-diagnostic body size in relation to overall and prostate-specific mortality in Jamaican men M Jackson, A McCaw-Binns, M Tulloch-Reid, W Aiken, T Ferguson, N Bennett, L Harrison, A Badaloo, D McGrowder, A Grindley, E Walker, S Anderson
4:45 pm	(O-29) A new regional radiotherapy centre as a catalyst for system level cancer control G Jones, K Jones, C Brown, C Sin-Quee	(CARPHA-NCI Grantee 4) Exploring the use of text messages for weight-loss and healthy habit formation in St Lucia E Serieux
5:00 pm	End of Session	
6:30 pm	Opening Ceremony Venue: Royal St Kitts Hotel	
<i>DAY 2: Friday, June 15, 2018</i>		
7:00 am	Breakfast Session: Polishing your paper for publication D Ramdath, M Reid Room Assignment: La Cucina Italian Restaurant	
8:00 am	FEATURE LECTURE 3: Chairperson: G Hutchinson Title: The Health of the Region is the Wealth of the Region: Really? K Theodore Room Assignment: Saba	

Time	CONCURRENT SESSIONS	
	Session 5a: HEALTH SYSTEMS: ECONOMICS Chairpersons: R Maharaj, K Theodore Room Assignment: Saba	Session 5b: NON-COMMUNICABLE DISEASES I Chairpersons: M Thame, S Harding Room Assignment: Antigua
8:45 am	(O-31) Economic evaluation of laparoscopic <i>versus</i> open repair for elective unilateral primary inguinal hernia and prophylaxis antibiotic use Q Jones	(O-37) Disparities in trends in pre-mature adult mortality from coronary heart disease and stroke in ten countries of the Caribbean Community 1991 to 2012 NP Sobers, I Hambleton, JA Critchley, TA Samuels, N Unwin
9:00 am	(O-32) National alcohol survey of households in Trinidad and Tobago (NASHTT): An estimate of the hidden cost of alcohol's harm to households RG Maharaj, MS Motilal, T Babwah, P Nunes, R Brathwaite, G Legall, SD Reid, HH Bailey	(O-38) Factors that affect medication adherence in the Bahamian adult hypertensive and Type 2 diabetic population K King-Strachan, D Strachan-Bowleg, M McLean-Morgan, D Watson-Providence, T Gibbs, C Conliffe, C Farquharson, M Frankson
9:15 am	(O-33) An online, distributed community of practice for antimicrobial resistance in Caribbean community member states L Benjamin, P Sealy, K Georges, A Adesiyun	(O-39) Diabetes distress and diabetes self-care in Barbados S Alexander, A Atherley, E Morris, OP Adams
9:30 am	(O-34) Cost-effectiveness analysis on the introduction of human papillomavirus vaccines in Guyana G Tatkan, S Bender-Pelswijk, E Hamilton, V Bachan, C Charles	(O-40) Demographic and lifestyle factors that affect haemoglobin A _{1c} awareness amongst Type 2 diabetic patients in Trinidad and Tobago K Khan, C Kidney, V Knowles, A Koo, A Lakhan, D Lalla, C Lalloo, S Lallo, BS Nayak
9:45 am	(O-35) Fostering of a sustainable health system through direct engagement for health insurance benefit design T Hines	(O-41) Effect of an alcoholic soluble extract of Momordica Charantia , Kuguacin-J and Cisplatin on Mcf-10a, Mcf-7 and Mdamb-231 breast cancer cell lines <i>in vitro</i> E Cummings, R Singh, K Jeeboo, J Singh
10:00 am	(O-36) A localized approach to sustaining Guyana's paediatric cardiology programme J Isaacs, G Tatkan, C Charles, T Bollers	(O-42) The hypoglycaemic effect of fractions obtained from ethyl acetate extract of Desmodium canum (strong back weed) in a rat model KG Lattibeaudiere, SJ Bryan, RL Alexander-Lindo
10:15 am	COFFEE BREAK/POSTER/EXHIBITS Room Assignment: Antigua	
11:00 am	FEATURE LECTURE 4: Chairperson: D Ramdath Title: Protecting, Promoting and Sustaining the Public's Health B Bain Room: Saba	

Time	CONCURRENT SESSIONS	
	Session 6a: NON-COMMUNICABLE DISEASES II: Room Assignment: Saba Chairpersons: S Keizer-Beache, K Cruickshank	Session 6b: NON-COMMUNICABLE DISEASES III: The Eastern Caribbean Health Outcomes Research Network (ECHORN) Cohort Study Room Assignment: Antigua Chairpersons: T Hassell, M Frankson
11:45 am	(O-43) HIV and Type 2 diabetes: A qualitative exploration of the burden of care experienced and perceived by persons living with multiple comorbidities in Barbados and Trinidad and Tobago NS Greaves, S Pooransingh, TA Samuels, MM Murphy	(O-47) ECHORN Cohort Study Protocol TA Thompson, RG Maharaj, M Nunez, C Nazario, OP Adams, M Nunez-Smith
12:00 noon	(O-44) Evaluation of sexual dysfunction in postmenopausal women in the Bahamas S Bowe, V Sakharkar, M Frankson, D Halliday	(O-48) The ECHORN Cohort Study: Alcohol use among the elderly: Associations with non-communicable diseases and psychosocial issues RG Maharaj, TA Thompson, M Nunez, C Nazario, OP Adams, JL Martinez-Brockman, M Nunez-Smith
12:15 pm	(O-45) Colorectal neoplasms in an Afrocentric population: Histology, distribution and clinical significance RR Cruickshank, A Duncan, JM Plummer	(O-49) The ECHORN Cohort Study: Obesity and weight misperception among adults in the Eastern Caribbean S Hassan, D Galusha, T Ojo, JL Martinez-Brockman, P Adams, R Maharaj, C Nazario, M Nunez, M Nunez-Smith
12:30 pm	(O-46) Integrating parenting intervention with routine care to improve psychosocial functioning among parents of children with sickle cell disease M Asnani, D Francis, J Knight-Madden, S Chang-Lopez, L King, S Walker	(O-50) The ECHORN Cohort Study: Physical activity among participants 40 years of age and over OP Adams, RG Maharaj, M Nunez, C Nazario, JL Martinez-Brockman, M Nunez-Smith
12:45 pm		(O-51) Moderate food insecurity is associated with nutrition-related cardiometabolic conditions in the ECHORN Cohort Study JL Martinez-Brockman, C Oladele, P Adams, R Maharaj, C Nazario, M Nunez, R Perez-Escamilla, M Nunez-Smith
1:00 PM – 2:00 PM	NETWORKING LUNCH / LECTURE: Pneumococcal vaccination and its benefits to the Caribbean Public Health Speaker: Dr Rolando Ulloa Room: Calypso Restaurant	
2:00 pm – 3:00 pm	Session 6c: INTERNATIONAL ATOMIC ENERGY AGENCY: Supporting member states in the Caribbean to enhance prevention, treatment and control of diseases Room Assignment: Dominica Chairpersons: A Badaloo, P Murillo-Fuentes Objective: To disseminate information about the role of nuclear technologies in human health and the activities of IAEA Technical Cooperation Programme in the Caribbean region and to share success stories at country/regional level in:	

- 1) applying radiotherapy to cure cancer patients,
- 2) IAEA success stories cancer cardiovascular and other chronic diseases: enhancing diagnostics through nuclear medicine and radiology,
- 3) use of nuclear nutrition techniques in the fight against the rise of non-communicable diseases in the Caribbean, and
- 4) ensuring cancer quality assurance in radiation medicine: protecting patients and workers

3:00 pm **End of Sessions**

6:30 pm **Awards Banquet**
Carambola Beach Club

DAY 3: Saturday, June 16, 2018

9:00 am **FEATURE LECTURE 5**
Chairperson: M Reid
The expanded programme on immunization: Charting the future through reflections on the past
K Lewis-Bell
Room: Saba

Time **CONCURRENT SESSIONS**

Session 7a:
HEALTH SYSTEMS: COMMUNICABLE DISEASES - SURVEILLANCE AND PREVENTION
Chairpersons: K Lewis-Bell, MA St John
Room Assignment: Saba

Session 7b:
PUBLIC HEALTH III
Chairpersons: B Bain, E Le Franc
Room Assignment: Antigua

9:45 am **(O-52)** Pneumococcal conjugate vaccines introduction in the immunization programme from 2011 and its impact on mortality under five years in Guyana
J Woolford, M Thomas, RV Anthonisamy

(O-60) Disparities in hypertension in populations living in the Caribbean: A systematic review and meta-analysis
NP Sobers, L Bishop, K Lewis, JC Critchley, TA Samuels, N Unwin

10:00 am **(O-53)** Implementation and outcomes of a patient tracing programme for HIV at the Medical Research Foundation, Trinidad and Tobago
J Edwards, N Lyons, A Hinds

(O-61) Analysis of trauma cases at the tertiary care hospital in Georgetown, Guyana, in support of the development of a trauma centre: A four-month retrospective study
P Edwards, T Bovell

10:15 am **(O-54)** Surveillance of HIV-infected mothers and infants in a prevention of mother-to-child transmission programme
M St John, D Babb

(O-62) Methicillin resistant *Staphylococcus Aureus* in the primary healthcare system in Barbados and its susceptibility patterns with co-trimoxazole
E Chase, M Gittens-St Hilaire

10:30 am **COFFEE BREAK/POSTERS/ EXHIBITS**
Room: Antigua

Time	CONCURRENT SESSIONS	
	Session 7a Cont'd: HEALTH SYSTEMS: COMMUNICABLE DISEASES - SURVEILLANCE AND PREVENTION Chairpersons: K Lewis-Bell, MA St John Room Assignment: Saba	Session 7b Cont'd: PUBLIC HEALTH III Chairpersons: B Bain, E Le Franc Room Assignment: Antigua
11:15 am	(O-55) HIV prevention in The Bahamas: Self-reported prevalence and attitudes toward male circumcision among selected population groups C George, R Roberts, D Brennen, L Deveaux, S Read	(O-63) A study on the prevalence, molecular characteristics and antimicrobial susceptibility patterns of methicillin resistant <i>Staphylococcus Aureus</i> in hospitalised patients in the Queen Elizabeth Hospital, Barbados D Alleyne, M Gittens-St Hilaire
11:30 am	(O-56) Knowledge of Human Papillomavirus and Human Papillomavirus vaccines among Bahamas high school students C George, R Roberts, D Brennen, L Deveaux, S Read	(O-64) Toxocara canis in puppies and their public health significance in Grenada R Schwartz, S Bidaisee, CNL Macpherson
11:45 am	(O-57) Human T-lymphotropic virus Type-1 co-infection among HIV-infected patients attending a large HIV Treatment Centre in Trinidad J Edwards, N Lyons, A Hinds	(O-65) Risk assessment for potential outbreak of <i>Aedes</i> -borne diseases and mosquito identification in districts of Georgetown, Guyana G Punu, C Alonzo, H Cox
12:00 noon	(O-58) Fertility desire and awareness of fertility options among the HIV population K Carroll, AM Pottinger	(O-66) Social and environmental factors on the health of Caribbean people in and out the region K Lacey, L Cummings, R Jeremiah
12:15 pm	(O-59) Elimination of the mother-to-child transmission of HIV and congenital syphilis in the Caribbean: Enabling factors, challenges and lessons learned S Jones, N Jack, S Caffee	
1:00 pm	Presentation of Prizes and Closing Remarks	