



DEPARTMENT OF CHILD & ADOLESCENT HEALTH

Dr. Roxanne Melbourne-Chambers Head of Department
MBBS (Hons), DM (Paeds)

VISION

All Caribbean children achieving optimal physical, socio-emotional, and mental health thereby ensuring a healthy productive adult population.

MISSION

To provide high quality child and family centred health care through service delivery, teaching and research.

OVERVIEW

The Department of Child and Adolescent Health comprises a multidisciplinary team of academics and professionals who pursue excellence in research, teaching, training of undergraduate students and postgraduate healthcare professionals, scholastic and professional leadership, clinical services, advisory, consultations, collaboration with stakeholders, public and community service. The academic staff comprises four professors, two senior lecturers, three lecturers, six associate lecturers (University Hospital of the West Indies (UHWI)) and twenty-four associate lecturers in affiliate clinical training sites. The academic team provides teaching, training and assessment for undergraduate and postgraduate students at geographically separate sites. There are administrative personnel and one office attendant. The Department provides undergraduate instruction in the MBBS programme through the Junior Clerkship in Paediatrics (part of the Aspects of Family Medicine course) in year 3 and the Senior Clerkship in year 5 of the MBBS programme respectively. Additionally, faculty deliver lectures and other instruction to courses in year 1 to 3 of the MBBS Programme.

The postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics) Mona (students registered in Jamaica and in the Bahamas) is harmonised in administration and assessment with the respective programmes in the UWI Cave Hill and St Augustine campuses. Additional postgraduate programmes offered by the department include the Fellowship in Neonatology, and the Post-graduate Diplomas in Loss, Grief and Trauma Management and Adolescent Health and Advocacy. Faculty members also teach courses in child and adolescent health related areas or provide research and clinical supervision to students enrolled in undergraduate programmes in Nursing and Midwifery and postgraduate programmes in Biomedical Research, Clinical Psychology, Education, Nutrition, Family Medicine, Epidemiology and Public Health. During 2021-2022 the department continued to pivot modifications in delivery of teaching, learning and assessment in congruence with the dynamics of the COVID 19 pandemic and government mandated infection control protocols. Central to modifications is minimizing risk of acquiring SARS CoV2 infection among all stakeholders in the teaching and health care setting. The department provides in-patient clinical services through two paediatric medical wards, the newborn special care unit which includes a neonatal intensive care unit and a neonatal high dependency unit. Out-patient clinical services are delivered through general and sub-specialty clinics in adolescent medicine, cardiology, development and behaviour, endocrinology, gastroenterology, haematology and oncology, infectious diseases, neonatology follow-up, nephrology, neurology, and pulmonology and a Paediatric Casualty.

A summary of the Department's performance during the period August 1, 2021, to July 31, 2022.

ACCESS

STUDENTS

Describe efforts made to improve quality of teaching, learning and student development

The Covid-19 pandemic changed the teaching landscape. During 2021-2022 the department continued to pivot modifications in delivery of teaching, learning and assessment in congruence with the dynamics of the COVID 19 pandemic and government mandated infection control protocols. Central to modifications is minimizing risk of acquiring SARS CoV2 infection among all stakeholders in the teaching and health care setting.

Undergraduate

Teaching & learning for undergraduate Junior Clerkship students had to evolve to meet the needs. This included:

1. History simulations (using actors/simulated patients)
2. Introduction of clinical examination using locally made and culturally appropriate videos
3. Introduction of a Discussion Forum and the Collaboration with Smash Medicine in engaging and gamifying the writing of MCQ questions being used in formative assessments. Pilot of SmashMedicine Jan 2022 to May 2022 SmashMedicine is a collaboration with the University of Oxford (Dr. Benjamin Harris) and Department of Child and Adolescent Health (Dr. Andrea Garbutt; Prof. Russell Pierre), FMS, Mona; Prof. Thame and HPEU, Dean's Office, FMS, Mona <https://uwi.smashmedicine.com>.

SmashMedicine was developed based on educational research into gamification, question banks and question writing in education. Answering MCQs is well known to enhance knowledge retention (PMID: 25609761). However, interestingly, research showed that question writers perform better than frequent answerers in summative exams (PMID: 28866607). Others have also described this trend (PMID: 26450346; 25893940). SmashMedicine allows students to learn through both of these evidence-based methods. From quantitative research, we see question writers perform 10-15% better in summative examination scores. In this collaboration we aim to encourage question writing as a method of learning to benefit especially those borderline candidates who most need it. The Junior Paediatric Clerkship (Year 3 MBBS Programme) will be the focus of this pilot. Students will participate in weekly Discussion Forums and groups of 5 students will be responsible for generating 3 questions and submitting to the online web-based platform. Peer review of the questions by alternate groups of students will be followed by Expert Review by a content expert. The completed questions will then be available for formative assessments by all students. We aim to evaluate uptake of question generation, peer review, formative assessments, and student perception of the activity.

Teaching and learning for the undergraduate Senior Clerkship was optimised accordingly:

1. Hybrid approach to instruction – all lectures, tutorials, seminars were administered via the learning management system [OurVLE], while gradual

return to face-to-face teaching for clinical instruction on the hospital wards and outpatient departments.

2.Enhancing formative assessment – utilisation of MiniCex for clinical encounters (eliciting history, physical examination of patients, management discussions, counselling), mock MCQ mid-clerkship for self-assessment and feedback, mock OSCE at some specified training centres

3.Customised tutorials/review sessions at specific training sites to enhance student engagement and learning

4.Asynchronous access by students to most instructional material via the learning management system (OurVLE)

5.Debriefing and opportunity for student feedback regarding the clerkship rotation – consistently conducted at end of each rotation and any issues addressed

6.Academic and professional sessions on study techniques and ethics

7.Participation in community-based activities - students at Cornwall Regional Hospital involved in Back-to-school medicals to strengthen ambulatory care and immunization competence

Postgraduate

Professor Russell Pierre, the University Examiner for the DM Paediatrics Programme facilitated Cross Campus Examiners consultations to enhance the harmonization of the DM Paediatrics Programme across the campus sites in the FMS, and oversee the implementation and administration of the virtual DM Paediatrics clinical/oral examinations (Nov/Dec 2021; May/ Jun 2022). The written component of the DM Paediatrics examination was administered electronically for the first time at four regional sites during the May/Jun 2022 exam cycle. Drs Abigail Harrison and Andrea Garbutt, lecturers, executed the virtual DM Clinical/Oral Examinations Nov/Dec 2021 and May/June 2022 across four campuses and with the remote participation of the External Examiner in Scotland. These activities included examiner and candidate training and mock examinations for all participants using the virtual space. Communication to all stakeholders particularly students was paramount. Students were administered mock examinations to enable their familiarisation with the online examination portal and virtual oral/ clinical examination encounters Online DM Paediatric lectures/seminars were conducted regionally (cross-campus collaboration) as well as invited international series

Undergraduate Student Advising

Activities for undergraduate students coordinated by Dr Andrea Garbutt in her capacity as Deputy Dean Student Success

1. Academic Advising Workshop for Academic Advisors at Mona for MBBS Students

o Attended by approximately 80 of the advisors of students who were in Year 1-3

2. Distribution of Academic Advisors for incoming students in MBBS programme: Class of 2026

3. Re-Organization of the Personal & Professional Development Programme for online delivery to all FMS programmes

6. Implementation of grade viewer ARGOS (in the clinical years)

7. Collaboration with the Personal and Professional Development Office for provision of mental health sessions, professionalism, transitioning to the next stage of their academics/career

Director of Health Professions Education, Prof Russell Pierre

Faculty of Medical Sciences, Health Professions Education Unit, FMS 2018 – to date Newly rebranded Health Professions Education Unit beginning August 2018. Overall aim: The promotion, development, implementation and monitoring of health professions' education initiatives with special emphasis on faculty and staff continued professional development, research in health professions education, accreditation and quality enhancement, curriculum development, and interprofessional collaboration

Achievements [March 2020 to July 2022]

8. Faculty of Medical Sciences, all Programmes: workshops, seminars, group and individual consultations on transitioning to emergency remote teaching, learning and assessment during period March 2020 to February 2022, due to COVID-19 pandemic

9. Implementation of the FMS Faculty Mentoring Programme Initiative [January to June 2022]

<https://www.mona.uwi.edu/fms/mentoring-initiative>

Mentoring is a critical component of career advancement for academic faculty. It is considered a multifaceted collaboration between a junior and senior professional with the primary goal being the nurturing of the junior professional's development. Through this mentoring initiative, we aim to promote and encourage overall academic excellence among faculty in the FMS, Mona.

The Faculty Mentoring Programme will be launched during academic year 2022-2023

Describe marketing initiatives to increase number of students to UWI

Dr Andrea Garbutt (Deputy Dean Student Success) coordinated and participated in multiple school recruitment drives along with the Marketing and Recruitment Office., UWI, Mona.

Dr Abigail Harrison garnered part-scholarships (USD 10,000) for students pursuing the diploma in Adolescent Health and Advocacy (awarded to 4 students).

Dr Audrey Pottinger identified mental health professional associations within the Caribbean and marketed the Diploma in Loss, Grief and Trauma Management to the wider Caribbean

PUBLICATIONS

Describe efforts made to increase number of publications

Collaborative Initiatives

International [European Commission and Paediatric European Network for Treatment of AIDS Foundation] and national [Christie CDC Principal Investigator (UWI) FMS, UWI, Ministry of Health and Wellness, Jamaica] for the ZIKA research has resulted in several publications in high impact journals, presentations at significant international fora and mentoring of junior faculty. Collaborative research agenda of the Sick Kids Caribbean team have resulted in several publications and the following in progress manuscripts: 5 Technical reports describing different aspects of activities done (in progress). Peer reviewed article re Sick Kids Caribbean Initiative (in progress) Recent publication on issues with drug access in Paediatric Oncology discussed at Paeds Oncology conference in 2021 Caribbean Paediatric Collaborative COVID 19 Survey is an intercampus multicentre collaboration led by pediatricians in academia in the Bahamas, Barbados, Trinidad, and Jamaica. Sub analysis and case reports were generated from this survey and were presented at international meetings, published, and are in the press Collaboration with post-graduate infectious disease fellow and professor of infectious diseases at West Virginia University and CARPHA yielded a publication and international presentation on Dengue and COVID.

Collaboration with the cross campus Academic & Advising & Mentorship Committee and resultant submission of research proposal on mentorship

in the FMS across campuses.

Mentoring

Mentor junior colleagues research in Psychology and Reproductive Medicine. DM Paediatric residents: research activity mentored by supervisors and other resource academics (all professors) in the department
Describe efforts to increase industry and government's access to research output

Invitation to present on Adolescent Mental Health in Jamaica.

A Webinar: Adolescent Mental Health: Insights from the UNICEF State of the World's Children Report. November 3, 2021. [Presented findings collected on project earlier in 2021 - Adolescent Mental Health in Jamaica: Hearing the Voices of the Youth (A. Harrison - Local principal investigator) through collaborative work with Johns Hopkins University.]

Covid-19 data and related research findings were shared widely with regional and international organizations and in public health fora:

1.A virtual meeting with Caribbean Chief Medical Officers, Preparing for Life with Omicron, Dr Tracy Evans Gilbert presented findings concerning COVID-19 hospitalizations, transmission risk, and vaccination among children. (January 6, 2022)

4.Researchers provided findings to the Healthy Caribbean Coalition to highlight the increased prevalence of overweight children among hospital admissions. (November 2021)

3.The Caribbean Paediatric Collaboration shared their data gathering experience with the Social Innovation in Health Initiative to build inter-sectoral capacity and evidence for social innovation in health.

Books & Monographs

Pierre R. Excellence in scholarly achievement at FMS Mona. Medulink: One Faculty, One UWI. Issue 9, December 2021. pp 11-12. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies.

Sick-Kids Caribbean Supportive Care Guidance Documents

Key areas: (1) fever/neutropenia, (2) tumour lysis syndrome, (3) hyperleukocytosis, (4) chemotherapy induced nausea and vomiting – 1st edition 2015; revised 2018 and 2021. National Treatment and Care Guidelines for HIV in Children and Adolescents in Jamaica. T Evans-Gilbert (Principal Author) E-published Dec 2022 Guidelines for the Prevention of Vertical Transmission of HIV & Syphilis Ministry of Health & Wellness Jamaica July, 2020 CT Evans-Gilbert (contributing author) E-published November 2022

Refereed Journal Articles

- Elisa Ruiz-Burga, Isadora Cristina de Siqueira, Roxanne Melbourne-Chambers, Rosa Maria Bologna, Celia DC Christie, Griselda Berberian, Antoni Soriano-Arandes, Heather Bailey, Paulette Palmer, Andrea Oletto, Breno Lima de Almeida, Maria Lucia Costa Lage, Carlo Giaquinto, Claire Thorne. "Health outcomes of children born/suspected with ZIKV: Protocol for the ZIKAction Paediatric Registry in Latin America and the Caribbean." *Nature. Portfolio.* 2021. DOI: <https://doi.org/10.21203/rs.3.pex-1577/v1> Joshua J. Anzinger, Chadwic D. Mears, A.E. Ades, Keisha Francis, Yakima Phillips, Ynolde E. Leys, Moira J. Spyer, David Brown, Ana M. Bispo de Filippis, Eleni Nastouli, Thomas Byrne, Heather Bailey, Paulette Palmer, Lenroy Bryan, Karen Webster-Kerr, Carlo Giaquinto, Claire Thorne, Celia D.C. Christie, on behalf of the ZIKAction Consortium. Antenatal seroprevalence of Zika and Chikungunya viruses, Jamaica, 2017– 15 2019.9. *Emerging Infectious Dis.* 2022 Feb. <https://doi.org/10.3201/eid2802.211849>
- Elisa Ruiz-Burga, Patricia Bruijning-Verhagen, Paulette Palmer, Annalisa Sandcroft, Georgina Fernandes, Marieke de Hoog, Lenroy Bryan, Russell Pierre, Heather Bailey, Carlo Giaquinto, Claire Thorne, Celia DC Christie, For the ZIKAction Consortium. Detection of Potential Arbovirus Infections and Pregnancy Complications in Pregnant Women in Jamaica Using a Smartphone App (ZIKApp): Pilot Evaluation Study. *JMIR Formative Research*, 2022-07 | DOI: 10.2196/34423; PMID: 35896029
- Berry C, Melbourne-Chambers R, Harrison A, Anzinger J. Gordon Johnson K., Deyde V, Christie CDC. "COVID-19 Clinical Characteristics and Outcomes in Children Aged <16 years at the University Hospital of the West Indies, Jamaica in 2020-2021." Preprint - medRxiv 2021.11.26.21266916; doi: <https://doi.org/10.1101/2021.11.26.21266916>
- Young Peart S, Anzinger J, Christie CDC. (2021) Evidence of Maternal

Transfer of SARS-CoV-2 Antibodies after a Single Dose of Astrazeneca COVID-19 Vaccination during Pregnancy: A Case Study. *COVID-19 Pandemic: Case Studies & Opinions* 02(05): 352–353.

- Lue AM, Richards-Dawson M-A, Gordon-Strachan GM, Kodilinye SM, Dunkley-Thompson JAT, James-Powell TD, Pryce CA, Mears CD, Anzinger JJ, Webster-Kerr K, *Christie CDC (2022). Severity and Outcomes of Dengue in Hospitalized Jamaican Children in 2018-2019 during an epidemic surge in the Americas. "Frontiers in Medicine - Global Excellence in Infectious Diseases - Surveillance, Prevention and Treatment: Central and South America 9:889998. doi: 10.3389/fmed.2022.889998
- Crista-Lee Shahine Berry, Roxanne Helene Melbourne-Chambers, Abigail Natalie Harrison, Joshua James Anzinger, Kelly-Ann Maxorinthia Gordon-Johnson, Varough Mohamed Deyde, *Celia Dana Claire Christie. Hospitalised Children with SARS-CoV-2 Infection and MIS-C in Jamaica: a Dive into the First 15 Months of the Novel Pandemic. "Frontiers in Pediatrics – Critical Care Section", doi: 10.3389/fped.2022.904788
- Kamali Carroll, Audrey M. Pottinger, Jodian Pinkney, Loxley R. Christie, Pansy I. Hamilton & Monique S. Thompson (2022) Fertility care expectations: what do PLHIV and health care providers in Jamaica know about assisted reproduction services for safe conception?, *AIDS Care*, DOI: 10.1080/09540121.2021.2023729
- Harrison A, Rocke, K, James Bateman C, Bateman A, Chang S. Physical Activity and Disordered Eating Behaviours: Are Caribbean adolescents at risk? *International Journal of Psychology*. 2021;10.1002/ijop.12802. doi:10.1002/ijop.12802
- Davis J, James Bateman C, Pearce-Dunbar V, Powell M, Harrison A. Exploring the impact of BMI on Body Dissatisfaction and Eating Behaviors among Caribbean University women. *Psychology, Health & Medicine Journal*. 2021;1-9. doi:10.1080/13548506.2021.1990365.
- Olugbuyi O, Crosdale B, Samms-Vaughan M, Shakespeare-Pellington S, Coore-Desai C, Reece JA, Trotman H. Neonatal morbidity in the 2011 JAKIDS Jamaican birth cohort. *Psychol Health Med*. 2021 Sep 6:1-10. doi: 10.1080/13548506.2021.1975783. Epub ahead of print. PMID: 34488500.
- Trotman H, Crosdale B, Samms-Vaughan M, Shakespeare-Pellington S, Coore-Desai C, Reece JA, Olugbuyi O. Neonatal mortality in the 2011 JAKIDS birth cohort. *Psychol Health Med*. 2021 Aug 2:1-9. doi: 10.1080/13548506.2021.1960392. Epub ahead of print. PMID: 34334075.
- Stevanovic D, Costanzo F, Fucà E, Valeri G, Vicari S, Robins DL, Samms-

- Vaughan M, Ozek Erkan H, Yaylaci F, Deshpande SN, Deshmukh V, Arora NK,
- Albores-Gallo L, García-López C, Gatica-Bahamonde G, Gabunia M, Zirakashvili M,
- Machado FP, Radan M, Samadi SA, Toh TH, Gayle W, Brennan L, Zorcec T, Auza A, de
- Jonge M, Shoaib N, Marini A, Knez R. Measurement invariance of the Childhood
- Autism Rating Scale (CARS) across six countries. *Autism Res.* 2021
- Dec;14(12):2544-2554. doi: 10.1002/aur.2586. Epub 2021 Aug 4. PMID: 34346193.
- Rahbar MH, Samms-Vaughan M, Hessabi M, Bressler J, Gillani S, Grove ML,
- Shakspeare-Pellington S, Loveland KA. Correlation between concentrations of four
- heavy metals in cord blood and childhood blood of Jamaican children. *J Environ*
- *Sci Health A Tox Hazard Subst Environ Eng.* 2021;56(11):1196-1205. doi:
- 10.1080/10934529.2021.1973821. Epub 2021 Sep 20. PMID: 34542373; PMCID:
- PMC8788997.
- Smythe T, Almasri NA, Moreno Angarita M, Berman BD, Kraus de Camargo O,
- Hadders-Algra M, Lynch P, Samms-Vaughan M, Olusanya BO. The Role of Parenting
- Interventions in Optimizing School Readiness for Children With Disabilities in
- Low and Middle Income Settings. *Front Pediatr.* 2022 Jun 28;10:927678. doi:
- 10.3389/fped.2022.927678. PMID: 35837237; PMCID: PMC9274111.
- Rahbar MH, Samms-Vaughan M, Zhao Y, Saroukhani S, Zaman SF, Bressler J,
- Hessabi M, Grove ML, Shakspeare-Pellington S, Loveland KA. Additive and
- Interactive Associations of Environmental and Sociodemographic Factors with the Genotypes of Three Glutathione S-Transferase Genes in Relation to the Blood Arsenic Concentrations of Children in Jamaica. *Int J Environ Res Public Health.* 2022 Jan 1;19(1):466. doi: 10.3390/ijerph19010466. PMID: 35010728; PMCID: PMC8745014.
- Rahbar MH, Samms-Vaughan M, Kim S, Saroukhani S, Bressler J, Hess-

abi M, Grove ML, Shakspeare-Pellington S, Loveland KA. Detoxification Role of Metabolic Glutathione S-Transferase (GST) Genes in Blood Lead Concentrations of Jamaican Children with and without Autism Spectrum Disorder. *Genes* (Basel). 2022 May29;13(6):975. doi: 10.3390/genes13060975. PMID: 35741737; PMCID: PMC9222697.

- Boateng R, Petricca K, Tang B, Parikh S, SinQuee-Brown C, Alexis C, Browne-Farmer C, Reece-Mills M, Salmon SM, Bodkyn C, Gupta S, Maguire B, Denburg AE. Determinants of access to childhood cancer medicines: a comparative, mixed-methods analysis of four Caribbean countries. *Lancet Glob Health*. 2021 Sep;9(9):e1314-e1324. doi: 10.1016/S2214-109X(21)00287-4. PMID: 34416215. Hamilton,P., Lawrence,P., Jaggon J., Greaves V., Reece-Mills M., Hazrati L., Eisenring CV. (2021). Embryonal tumour with multi-layered rosettes a case based review of the literature, *Interdisciplinary Neurosurgery*, Volume 25, 2021, 101245, ISSN 2214-7519, <https://doi.org/10.1016/j.inat.2021.101245> (<https://www.sciencedirect.com/science/article/pii/S2214751921001572>).

Published Abstracts

- Berry CS, Melbourne-Chambers R, Harrison A, Anzinger J, Gordon-Johnson K, Deyde V, Christie CD. COVID-19 Clinical Characteristics and Outcomes in Children Aged ≤ 16 Years at the University Hospital of the West Indies, Jamaica in 2020-2021. *Pediatrics* February 2022; 149 (1 Meeting Abstracts February 2022): 483. Lashley PM, Harrison A, Garbutt A, Melbourne-Chambers R, Koury S, Sin Quee-Brown C, Pierre R. Paediatric postgraduate examinations at the University of the West Indies during COVID-19: blessing or curse? *Archives of Disease in Childhood* Aug 2022, 107 (Suppl 2) A396

Non-Refereed articles

Technical Reports

- Report 3A. Evidence-based evaluation of stakeholder perception of transition. Consultancy - Development of Transition Plan for Adolescents Living with HIV Phase 1 A Harrison, RB Pierre, R Wickham, C James Bateman. Report submitted to Ministry of Health and Wellness, Report submitted to Ministry of Health and Wellness, November 2021, pp 57.
- Report 3B. Draft National Policy Guideline. Transition of Jamaican Adolescents Living with HIV from paediatric-based care to adult-based

care. Pilot Proposal. A Harrison, RB Pierre. Report submitted to Ministry of Health and Wellness, Report submitted to Ministry of Health and Wellness, December 2021pp 61.

- UNICEF stakeholders' meeting: COVID-19, Children, and Nutrition: Data Efforts and Priorities. (June 25 and 28, 2021) Technical report submitted on Hospitalized Paediatric COVID-19 cases and associations to nutritional status: The situation in the Caribbean region (T Evans-Gilbert and colleagues)

ALIGNMENT

Describe efforts made to improve the quality, quantity and impact of research, innovation and publication Global Collaborative group (Adolescent Mental Health - Hearing the Voices of the Youth, Johns Hopkins University as lead investigators) conducted qualitative analysis on adolescent mental health, Jamaica in 2021 and now in planning stages for manuscript development and publication. Collaborative efforts with the Hospital for Sick Children, Toronto, Canada for improving outcomes in childhood cancer in Jamaica and the Caribbean. Benefitting from academic, professional, and technical expertise. Paediatric COVID collaborative established multiple study groups for manuscript formulation, peer review, and subsequent dissemination through CARPHA Collaborative multidisciplinary research approach with colleagues across different disciplines (health education, assisted reproduction, psychology) to enhance research output in Reproductive Health.

Describe research that responds to industry/government demands

Research on transition of adolescents living with HIV from paediatric-based care to adult-based care (*) is currently being translated into policy and Development of National Policy Guideline on Transition for ALHIV in Jamaica in collaboration with the Ministry of Health and Wellness (Principal Investigators – Dr Abigail Harrison; Prof Russell Pierre)

*Moya Rhoe, Abigail Harrison, Caryl James-Bateman, Rayon Wickham, Russell B Pierre. Transition to adult care – experiences of young adults living with human immunodeficiency virus in Kingston, Jamaica. Presented (poster presentation) at the 12th International Association for Adolescent Health (IAAH) World Congress on Adolescent Health, Lima, Peru, Novem-

ber 19-21, 2021. [Abstract # 314]

*Kerry-Ann Barrett, Abigail Harrison, Russell B Pierre, Andrea Garbutt, Rayon Wickham, Kaye Lewis-O'Connor. Transition readiness of adolescents and young adults living with HIV/AIDS in Kingston, Jamaica. Presented (poster presentation) at the 12th International Association for Adolescent Health (IAAH) World Congress on Adolescent Health, Lima, Peru, November 19-21, 2021. [Abstract # 313]

Mental health has been affected across the age groups by the COVID-19 pandemic but particularly so for children, adolescents and the elderly. Psychologists have collaborated with stakeholders to develop standard practices and guidelines, informed by research evidence for different care-taking groups and disseminating the information in webinars

Outputs from the Paediatric COVID collaborative research guided policy makers in the region throughout the pandemic concerning specific impacts on children in the Caribbean

PAPERS PRESENTED

major conferences/seminars nationally, regionally, internationally

- *Berry C, Melbourne-Chambers R, Harrison A, Anzinger J, Gordon Johnson K., Deyde V, Christie CDC. "COVID-19 Clinical Characteristics and Outcomes in Children Aged <16 years at the University Hospital of the West Indies, Jamaica in 2020-2021." Virtual poster. American Academy of Paediatrics, AAP, National Conference and Exhibition on October 8-12 2021 in Section on Global Health Program (VH1309) Pediatrics 149 (1 Meeting Abstracts February 2022), 483-483.
- Reece-Mills M., Berry C, Christie CDC. Increased thrombotic risk due to COVID-19 during induction in a patient with T cell acute lymphoblastic leukaemia (ALL). Abstract and Poster. American Society of Pediatric Hematology/Oncology National Conference, Pittsburgh, PA, May 4 - 7, 2022.
- Md. Anwarul Majumder, Michael Campbell, Bidyadhar Sa, Katija Khan, Russell Pierre. Academic and technological readiness of medical and allied health professional students during the COVID-19 pandemic: A multi-campus study. Presented (platform presentation) at the Virtual Conference, AMEE (An International Association for Medical Education) 2021, August 27-30, 2021. [Abstract # 8988 – SC40.4]
- Andrew Burton, Russell B Pierre, Michelle Richards-Dawson, A. Clare

Lyn-Shue. The epidemiology of dermatological diseases at a Jamaican paediatric hospital. Presented (platform presentation) at the Virtual Caribbean Dermatology Conference, Caribbean Dermatology Association, November 5-6, 2021.

- Andrew Burton, Russell B Pierre, Michelle Richards-Dawson, A. Clare Lyn-Shue. The epidemiology of dermatological diseases at a Jamaican paediatric hospital. Presented (poster presentation) at the 2021 Ministry of Health and Wellness 12th National Health Research Conference, Kingston, Jamaica, November 17-19, 2021.
- Moya Rhoe, Abigail Harrison, Caryl James-Bateman, Rayon Wickham, Russell B Pierre. Transition to adult care – experiences of young adults living with human immunodeficiency virus in Kingston, Jamaica. Presented (poster presentation) at the 12th International Association for Adolescent Health (IAAH) World Congress on Adolescent Health, Lima, Peru, November 19-21, 2021. [Abstract # 314]
- Kerry-Ann Barrett, Abigail Harrison, Russell B Pierre, Andrea Garbutt, Rayon Wickham, Kaye Lewis-O'Connor. Transition readiness of adolescents and young adults living with HIV/AIDS in Kingston, Jamaica. Presented (poster presentation) at the 12th International Association for Adolescent Health (IAAH) World Congress on Adolescent Health, Lima, Peru, November 19-21, 2021. [Abstract # 313]
- Harrison A*, Chambers J, Scott M, Miller Z, Condell-Gibson N, Harvey K. The Jamaican Teen Hub: Providing holistic health and educational services for young people at a non-traditional access point. 12th International Association for Adolescent Health (IAAH) World Congress 18 to 21 November 2021 (virtual)
- Harrison A, Pierre RB. Transitioning the ALHIV – paediatric to adult care. Presented (invited platform presentation) at the 11th Annual National Health Workshop by the Ministry of Health, Jamaica in collaboration with the University of the West Indies, December 3-4, 2021 via virtual platform
- Paula Lashley; Abigail Harrison; Andrea Garbutt Roxanne Melbourne-Chambers; Steve Koury; Corrine SinQueen-Brown; Russell Pierre. Paediatric Graduate Examinations at the University of the West Indies during Covid-19: Blessing or Course? Archives of Disease in Childhood. June 2022 Volue 107, Issue Suppl 2
- Presented (ePoster) at the RCPCH Conference 2022, Paediatric Educators' Special Interest Group, 28-30 June, 2022, Liverpool, UK [abstract ID number: 1006].
- Samms-Vaughan, M. Invited Guest Lecture. Research and Policy Impli-

cations for Birth Cohort Studies in Low and Middle Income Countries: The Jamaica Studies. July 14, 2022. MRC Integrative Epidemiology Unit, University of Bristol

- Christie CDC. "COVID-19 in Children and Adolescents: Emergency Use of Pfizer BioNtech mRNA Vaccines". Paediatric Association of Jamaica. 19 August, 2021
- Christie CDC. "COVID-19 in Children and Adolescents: Emergency Use of Pfizer-BioNtech mRNA COVID-19 Vaccines". 23 August, 2021. Caribbean Academic Pediatricians, 23 August, 2021.
- Christie CDC. "COVID-19 Update: OMICRON !!! What's up with kids?" Plenary talk, UWI, PAJ and Caribbean Paediatricians Discussion Forum, 31 January, 2022.
- Christie CDC. "Long Covid-19 in Children and Adolescent". Plenary talk. Medical Association Annual Conference, June 2022
- Reece-Mills M et al. Severe Pancytopenia and Rebound Hyper thrombocytosis in COVID-19 infection. 40th Annual Meeting of the European Society for Paediatric Infectious Diseases Greece on May 9-13,2022 poster #1937
- Reece-Mills M et al. Focal Cerebral Arteriopathy In An Infant With Covid-19 Infection. 40th Annual Meeting of the European Society for Paediatric Infectious Diseases Greece May 9-13,2022 poster#1897
- Evans-Gilbert T et al. Nutritional Status and Covid-19 In Hospitalized Children In The Caribbean. 40th Annual Meeting of the European Society for Paediatric Infectious Diseases Greece May 9-13,2022 Poster 1490
- Evans-Gilbert T et al. The Dengue Covid Syndemic In The Caribbean, 40th Annual Meeting of the European Society for Paediatric Infectious Diseases Greece May 9-13,2022 Poster Discussion 1896
- Evans-Gilbert T et al. COVID-19 in Jamaican Children. 68th National Seminar of the Nurse Practitioners Hilton Rose Hall Resort & Spa. 'Maternal & Child Health: Building Blocks for a Secure Future. July 6-8, 2022. Oral Presentation
- Garbutt A. Kids living with Chronic Illnesses public health aspects: Autism Spectrum Disorder. May 26, 2022. Medical Association of Jamaica.
- Pottinger A. "Risk stratification and unintended consequences - othering, stigma and vulnerable groups". Medical Association of Jamaica Annual Conference Ethics Workshop, June 10 2022 - oral presentation
- Pottinger A. "Emotional wounds and unresolved traumatic grief". Church-site Counselling Initiative and Webster Memorial United Church symposium, June 4 2022 - oral presentation

- Pottinger A. "Pilot study on pregnant adolescents and adults' reproductive concerns and mental health during the COVID-19 pandemic". Ministry of Health and Wellness 12th Annual Health Research Conference, November 2021 - oral presentation
- Pottinger A. "Managing Grief and Loss". Ministry of Labour and Social Security, August 20 2021 - oral presentation

PUBLIC SERVICE

Describe efforts/initiatives made to promote greater activism and public advocacy

CHILDHOOD CANCER

Public education on childhood cancer through the media

Gospel JA FM, 'Childhood cancer Awareness' – October 2, 2021
 Childhood cancer voice note for Ministry of Health – September 25, 2021
 Power 102 FM, 'Childhood Cancer as a global health priority' – September 18, 2021
 Inspire Jamaica, CVM, 'Childhood Cancer awareness' – September 2021
 CVM at Sunrise, 'Childhood Cancer awareness' – September 15, 2021
 RJR 94 FM, 'Childhood Cancers' – September 8, 2021
 Workshops and training sessions on childhood cancer organized 2021 Paediatric Oncology Virtual Minisymposium (under the auspices of the Jamaica Cancer Society) September 30, 2021
 Invited speakers: Dr. A. Denburg (Hospital For Sick Children, Toronto, Canada), Dr. R. Ramphal (Children's Hospital of Eastern Ontario, Ottawa), Dr. T. Green, Nurse A. Chin
 COVID – 19
 Evans Gilbert T. "Be safe: Keep our children and youth from drowning" The Gleaner, 21 July 2021 Available at : <https://jamaica-gleaner.com/article/health/20210721/be-safe-keep-our-children-and-youth-drowning>
 Evans-Gilbert T. "Letter of the Day | Need for more clarity and understanding on Ivermectin". The Gleaner, 18 May 2021. Available at: <https://jamaica-gleaner.com/article/letters/20210518/letter-day-need-more-clarity-and-understanding-ivermectin>, Audrey Pottinger. Health and wellness program aired by West Jamaica Conference of Seventh day Adventists - presenter on Children's health, Pandemic issues and CNCD etc

SOCIAL ACCOUNTABILITY

Dr Andrea Garbutt

- Participation in Social Accountability through the FMS Social Account-

ability group

- Health Fair at Tarrant Primary School
- Health Fair at Randolph Lopez School of Hope
- Both outreaches were multidisciplinary in nature and as well involved the Paediatric Association of Jamaica. Medical Students played a vital role in participating whilst at the same time consolidating their skills in history taking, anthropometry and obtain vitals. Clinical examination was done under supervision.

AUTISM

Dr Andrea Garbutt

- Autism Awareness: Barita Foundation. April 29, 2022
- Autism Spectrum Disorders April 20, 2022
- Autism Spectrum Disorders; Kiwanis Club of Stony Hill. April 11, 2022
- Membership on committees/boards outside of the University (National, Regional, International)

Celia DC Christie

- Fellow, Royal College of Physicians and Surgeons, Edinburgh, England
- 2019 - Member, Expert Panel, CARPHA on COVID-19 in the Caribbean.
- 2019 - Member, Expert Panel, Commonwealth Medical Association, COVID-19 Pandemic
- 2022 – Member, Expert Panel, CARPHA's COVID-19 Caribbean Therapeutics Committee.
- 2022 Member of a Small Invited US-led Scientific Delegation to CUBA, to evaluate the Cuban COVID-19 vaccines, in search of a "Universal COVID-19 Vaccine"
- **Maureen Samms-Vaughan**
- National Membership
- Chair, National Commission on Violence Prevention, Office of the Prime Minister
- Member, National Commission on Educational Transformation, Office of the Prime Minister
- Chair, National ECD Oversight Committee, Early Childhood Commission
- Member, IADB Early Childhood Advisory Group
- Director, Usain Bolt Foundation
- Director, Family Life Ministries
- Director, Vaz Preparatory School Board

- Director, Promise Learning Centre Board
- International Membership
- Member, Early Childhood Development Action Network (ECDAN) Technical Advisory Group (2021-present)
- International Society for Autism Research, Global Senior Leader, Jamaica (2021-present)

Tracey Evans-Gilbert

- National Vaccine Task Force Sub Committee- COVID Vaccine TWG , Ministry of Health and Wellness
- National ESAVI Committee Jamaica
- COVID 19 Clinical Working Group Ministry of Health and Wellness
- International
- Pan American Advisory Committee on Vaccine Safety
- PAHO -Measles/Rubella Reverification Commission Americas
- Board of the Regional Network Immunization Technical Advisory Groups (NITAGs)
- Regional
- COVID 19 Expert Advisory Group Caribbean Public Health Agency
- PAHO Measles/Rubella reverification commission Caribbean Sub-Region

Audrey Pottinger

- Jamaica Psychological Society
- American Psychological Association (APA)
- Council for Professions Supplementary to Medicine
- Member, Health and Wellness Task Force, United Church of Jamaica and the Cayman Island

Abigail Harrison

- Member of Adolescent Policy Working Group, Ministry of Health and Wellness
- Member, Character Education Task Force Committee. Ministry of Education, Youth and Information
- Vice President, Caribbean Association for Adolescent Health
- President-elect, Society for Adolescent Health and Medicine - International Chapter
- Member, Education Sub-committee - International Association for Adolescent Health

Michelle Reece-Mills

- Member, Childhood Cancer Task Force, Ministry of Health, Jamaica (February 2020 to present)
- The mandate of the Childhood Cancer Task Force is to address gaps in childhood cancer care through policy and to facilitate equitable delivery of childhood cancer care throughout the island.
- UHWI representative (Jamaica) for the SickKids Pan-Caribbean Initiative in Paediatric Haematology/Oncology Initiative (2013 - present)
- Group meets weekly to discuss clinical case management
- Why We Need You | Donate | SickKids-Caribbean Initiative
- (sickkidsfoundation.com)
- Member , Children's International Consortium on Acute Leukemia 2018- present
- Group meets monthly to discuss clinical case management and research in
- progress
- <https://www.ashclinicalnews.org/spotlight/blood-beyond-borders/international-collaborations-help-improve-pediatric-leukemia-outcomes-caribbean/>

Helen Trotman-Edwards

- Caribbean Public Health Agency (CARPHA)
- Member of the CARPHA Research Ethics Committee

Andrea Garbutt

- Paediatric Association of Jamaica-Immediate past president
- Serious Case Review Panel (CPFSA)

Dr Doreen Millard

- Member, Paediatric Association of Jamaica.
- Chairman of the Medical Review Panel of the Ministry of Health and Wellness

Prof Russell Pierre

- Chairman of the Caribbean Association of Medical Councils Examination Committee, and Chief Examiner; 2006 to date

AGILITY

INCOME GENERATION

Describe efforts made to diversify the revenue base of the UWI

The department increased revenue during the period mainly through international grants and collaborations. Grants (amount and period covered) Christie Celia DC (Co-investigator); Mosha Samantha (Co-Investigator). "Longterm Impact of COVID_19 in Children and adolescents, 4 to 6 months after hospitalization". Global Infectious Diseases Research Training Program - GIDRTP, November 2021 (renewal in progress).

Christie CDC: Principal Investigator (UWI) and many other international and local co-investigators. Source: European Commission and Paediatric European Network for Treatment of AIDS Foundation Title: "Addressing the urgent research gaps against the ZIKA virus and other emerging threats in Latin America, SC1-PM-22-2016. Leader of WP1 – Vertical Transmission of ZIKV, Dengue and Chikungunya, collaborator on ZIKA PED, ZIKA VID, ZIKA Patho, ZIKA Syn, ZIKA Collab". Grant Period: 1 Oct, 2016 to 30 Sept, 2021 (five years) ... grant wrap-up still in progress Additional Funding to UWI for a Total Amount of: 924,121.81 Euros; as of May 2021, this amount is reduced to 832,646.31 Euros. Explanation: UWI asked to advance the difference, in anticipation of a refund by EC when study is completed; UWI declined this risk, citing COVID/ financial constraints. Christie CDC: Co-investigator, (P.I. (international) Gene Morse; P.I. (UWI) Prof John Lindo)

Source: National Institutes of Health, USA

Title: "Fogarty International Training and Research in Virology at UWI", collaborating with University of Buffalo, New York, USA

Grant period: 5 years, began 2018.

Grant amount: Funded for \$1.1 Million USD's to UWI

Samms-Vaughan M.: PI

Source: Centres for Disease Control, Elizabeth Glaser Paediatric AIDS Foundation

Title: Violence Against Children Study, Jamaica

Grant Period: 18/11/2021-31/12/2022

Total cost: US\$699,604.00

Reece-Mills, Michelle: Principal Investigator

2019 – Award – 10,000 Euros (\$1,776,000.00 JMD) per year x 5 years

Source: International Atomic Energy Agency (IAEA)

Title: Assessment of association between body composition and the clinical and quality of life outcomes in Jamaican children with hematological malignancies

Objective: To identify and validate a body composition measure that can be used at the bedside by clinicians for early identification of children with poor nutrition during cancer treatment in low and middle income countries

Status: Research in progress

Consultancies

Maureen Samms-Vaughan

Consultancy for the development of resources on gender transformative approach to parenting and ensuring a gender perspective in ECD programmes for the Caribbean.

UNICEF, Latin American and Caribbean Regional Office

Consultancy to Develop a National Child Safeguarding Strategy for Trinidad and Tobago.

UNICEF and Government of Trinidad and Tobago

Partnership to Refine Child Assessment for Teaching and Learning in Trinidad and Tobago". Rutgers University

Tracy Evans-Gilbert

May 2021 Pan American Health Organization Consultant ESAVI Surveillance Caribbean

June 2021 UNICEF consultancy with Data and analytics section DAPM/Nutrition Unit

Doreen Millard

Advisor to the Ministry of Health and Wellness on the Rheumatic Fever, Rheumatic Heart Disease Prevention Programme.

Self-financing programmes

Non UGC Self Financing Programmes

1.Non UGC (self-financing programme – 5 new students – \$4,000,000.00): Post-graduate diploma in Adolescent Health and Advocacy, Department of Child and Adolescent Health, Faculty of Medical Sciences, UWI, Mona. Co-ordinator: Dr A. Harrison

2.Non UGC (self-financing programme – 10 new students – \$4,000,000.00): Post-graduate diploma in Loss Grief and Trauma Management, Department