1/9/2022

# Compilation of Researches by 28th Batch

Department of Community Medicine





The Proportion of Compliance with a Selected Weight Reduction Program and its association with Some Selected Factors and Reduction in Body Weight Among Adults in Sri Lanka.

### **General Objective**

To describe the proportion of compliance with a selected weight reduction program, association between some selected factors and non-compliance with components of the chosen weight reduction program, and association between the proportion of compliance with components of the chosen weight reduction program and reduction in body weight among adults in Sri Lanka.

### **Specific Objectives**

- 1. To describe the proportion of compliance with a selected weight reduction program among adults in Sri Lanka.
- 2. To describe the association between some selected factors and non-compliance with components of the chosen weight reduction program among adults in Sri Lanka.
- 3. To describe the association between the proportion of compliance with components of the chosen weight reduction program and reduction in body weight among adults in Sri Lanka

Internal Supervisor Dr. Chamara Senarathne

**External supervisor** None

Challenges in English medium learning, coping strategies and associated factors among first year undergraduates of a selected medical faculty in Sri Lanka.

### **General Objective**

To describe the challenges in English medium learning, coping strategies and associated factors among first year undergraduates of Faculty of Medical Sciences in University of Sri Jayewardenepura.

### **Specific Objectives**

- 1. To describe the perceived level of English knowledge and the challenges faced in English medium learning among first year undergraduates of Faculty of Medical Sciences in University of Sri Jayewardenepura
- 2. To describe the coping strategies taken with regards to English medium learning among first year undergraduates of Faculty of Medical Sciences in University of Sri Jayewardenepura
- 3. To describe the factors associated with challenges and knowledge with regards to English medium learning among first year undergraduates of Faculty of Medical Sciences in University of Sri Jayewardenepura

**Internal Supervisor** Prof. Sampatha Goonewardena

**External supervisor** 

Dr. Aruni de Silva

Knowledge on selected venomous snakes, the first aid given following a snake bite their associated factors, and the attitude towards snakes, among the adults between age 20 to 60 years in Colombo and Gampaha districts.

### **General Objective**

To describe knowledge in identification of selected venomous snakes, first-aid given following a snake bite their associated factors and the attitude towards snakes among the adults between 20 to 60 years of age in Colombo and Gampaha districts.

### **Specific Objectives**

- 1. To describe knowledge in identification of highly venomous snakes and selected nonvenomous snakes by the adult population between 20 to 60 years of age, in Colombo and Gampaha districts.
- 2. To describe the knowledge of first-aid given following a snake bite among adults between 20 to 60 years of age, in Colombo and Gampaha districts.
- 3. To describe the associated factors with snake bites, among the adults between 20 to 60 years of age, in Colombo and Gampaha districts.
- 4. To describe the attitude towards snakes among the adults between age 20 to 60 years in Colombo and Gampaha districts.

#### **Internal Supervisor**

Prof. Sampatha Goonewardena

#### **External supervisor**

Prof. Shalindra Ranasinghe

Burnout, quality of life and coping strategies among intern medical officers in selected tertiary care hospitals in Sri Lanka during the lockdown of the COVID 19 pandemic.

### **General Objective**

To describe burnout, quality of life and coping strategies among intern medical officers in selected tertiary care hospitals in Sri Lanka during the lockdown of the COVID 19 pandemic.

#### **Specific Objectives**

- 1. To describe burnout and quality of life among intern medical officers in selected tertiary care hospitals during the lockdown of the COVID 19 pandemic
- To determine the factors associated with burnout and quality of life among intern medical officers in selected tertiary care hospitals during the lockdown of the COVID 19 pandemic
- 3. To describe the coping strategies among intern medical officers during the lockdown of the COVID 19 pandemic

**Internal Supervisor** Prof. Shamini Prathapan

#### **External supervisor**

Dr. Manori Gamage

Reasons for video gaming and association of video gaming duration with sleep quality and mental health among adults between age 20-40 years in the Western province, Sri Lanka

### **General Objective**

To describe the reasons for video gaming and association of video gaming duration with sleep quality and mental health among adults between ages 20-40 years, in the Western province, Sri Lanka.

### **Specific Objectives**

- 1. To describe the reasons for video gaming among adults between ages 20-40 years, in the Western province, Sri Lanka.
- 2. To describe the association of video gaming duration with sleep quality among adults between ages 20-40 years, in the Western province, Sri Lanka.
- 3. To describe the association of video gaming with mental health among adults between ages 20-40 years, in the Western province, Sri Lanka.

**Internal Supervisor** Prof. Sampatha Goonewardena

#### **External supervisor**

Dr.Prasangika Senaviratne Alles

Knowledge on Colour vision deficiency, its associated factors, and Proportion of Colour Vision Deficiency among adults in Western Province

### **General Objective**

To describe the knowledge on Colour Vision Deficiency, its associated factors, and proportion of Colour Vision Deficiency among adults in Western Province

### **Specific Objectives**

- 1. To describe the knowledge on Colour Vision Deficiency among adults in Western Province.
- 2. To describe the sociodemographic factors associated with knowledge on Colour Vision Deficiency among adults in Western Province.
- 3. To determine the proportion of Colour Vision Deficiency using an online assessment tool among adults in Western Province.

**Internal Supervisor** Prof. Sampatha Goonewardena

#### External supervisor

Prof. Savithri W. Wimalasekera

Knowledge, attitudes and associated factors about COVID-19 Vaccination among Adults in Western Province

### **General Objective**

To describe knowledge, attitude and associated factors on COVID-19 vaccination among adults in Western Province of Sri Lanka.

#### **Specific Objectives**

- 1. To describe the knowledge on COVID-19 vaccination among adults in Western Province.
- 2. To describe the attitudes towards COVID-19 vaccination among adults in Western Province.
- 3. To describe the factors associated with knowledge and attitudes regarding the COVID-19 vaccination among adults in Western Province.

### **Internal Supervisor**

Prof. Shamini Prathapan Dr. D. Alagiyawanna

### External supervisor

Dr. D.M.B. Thushari Dissanayake

Parental knowledge, attitudes and factors associated with parental knowledge and attitudes regarding eating disorders of adolescents in selected districts of Sri Lanka

### **General Objective**

To describe parental knowledge, attitudes and factors associated with eating disorders of adolescents in selected districts of Sri Lanka.

### **Specific Objectives**

- 1. To describe the parental knowledge of eating disorders of adolescents among parents in selected districts in Sri Lanka
- 2. To determine parental attitudes related to eating disorders of adolescents among parents in selected districts in Sri Lanka
- 3. To describe the factors associated with the parental knowledge and attitudes related to eating disorders in adolescents in selected districts in Sri Lanka

### **Internal Supervisor**

Prof. Shamini Prathapan

#### **External supervisor**

Dr Yasodha Rohanachandra

Working from home and stress among Information Technology professionals of IT companies in Colombo District during COVID-19 pandemic

### **General Objective**

To describe the perception on working from home, the level of stress and the factors associated with stress among IT professionals of IT companies in the district of Colombo during COVID-19 pandemic

### **Specific Objectives**

- 1. To describe the perception on working from home among IT professionals of IT companies in the district of Colombo during COVID-19 pandemic
- 2. To describe the level of stress among IT professionals of IT companies in the district of Colombo who are working from home during COVID-19 pandemic
- 3. To determine the factors associated with stress among IT professionals of IT companies in the district of Colombo who are working from home during COVID-19 pandemic

**Internal Supervisor** Dr. K.L.M.D. Seneviwickrama Dr. A.I. Hathamuna

**External supervisor** Dr. K.P. Manisha Dalpatadu

Proportion of Gastro-oesophageal reflux disease (GORD) related symptoms, associated factors & health related quality of life among undergraduates of selected faculties of university of Sri Jayewardenepura

### **General Objective**

To determine proportion of GORD symptoms, associated factors and health related quality of life among undergraduates of selected faculties in Universities of Sri Jayewardenepura

### **Specific Objectives**

- 1. To determine the proportion of having GORD symptoms, among undergraduates of selected faculties in Universities of Sri Jayewardenepura
- 2. To determine the factors associated with GORD symptoms among undergraduates of selected faculties in Universities of Sri Jayewardenepura
- 3. To determine the impact of GORD symptoms on health related quality of life among undergraduates of selected faculties in Universities of Sri Jayewardenepura

**Internal Supervisor** Dr. K.L.M.D. Seneviwikrama

External supervisor

Dr. Isurujith Liyanage

Proportion having migraine, its associated factors, knowledge and pharmacological and non-pharmacological practices used for relief of migraine among adults aged 18 - 30 years in the districts of Colombo and Ratnapura

### **General Objective**

To describe the proportion, knowledge, pharmacological and non-pharmacological practices used for relief of migraine and its associated factors among adults aged 18 - 30 years in the districts of Colombo and Ratnapura

### **Specific Objectives**

- 1. To determine the proportion having migraine among adults aged 18 30 years in the districts of Colombo and Ratnapura
- 2. To describe the knowledge on migraine among adults aged 18 30 years in the districts of Colombo and Ratnapura
- 3. To describe pharmacological and non-pharmacological practices used for relief of migraine among adults with a previous diagnosis/ probable migraine in the age group of 18 30 years in the districts of Colombo and Ratnapura
- 4. To determine the factors associated with migraine among adults with a previous diagnosis/ probable migraine in the age group of 18 30 years in the districts of Colombo and Ratnapura

### Internal Supervisor

Dr. K.L.M.D. Seneviwickrama

**External supervisor** Dr. Nilanka Perera

Knowledge, attitudes and practices related to dengue and factors associated with these among 18-30 year old adults in the Western Province.

### **General Objective**

To describe the knowledge, attitudes and practices related to dengue and factors associated with these among 18-30 year old adults in the Western Province

#### **Specific Objectives**

- 1. To describe the knowledge and attitudes regarding dengue among 18-30 year old adults in the Western province
- 2. To describe the practices related to dengue prevention in those aged 18-30 years in the Western province
- 3. To describe the factors associated with knowledge, attitudes, and practices related to dengue among 18-30 year old adults in the Western province

**Internal Supervisor** Dr. B.C.V. Senaratne

### External supervisor

Dr. P.W.M.C.S.B. Wijekoon

Patterns of selected crimes between pre-COVID-19 and during COVID-19 pandemic situation in Sri Lanka and behaviour of their associated factors; perception of police officers regarding crime pattern changes and their associated factors between those situations.

### **General Objective**

To describe the change in patterns of selected crime types from pre-COVID-19 to COVID-19 pandemic period in Sri Lanka and how their associated factors behave between those periods.

### **Specific Objectives**

- 1. To describe the changes in patterns of selected crimes between pre-COVID-19 to during COVID-19 pandemic period in Sri Lanka
- 2. To describe the factors associated with crime trends between pre-COVID-19 and during COVID-19 pandemic situation
- 3. To describe the perception of police officers about the changes in crime patterns and their associated factors between pre-COVID-19 and during COVID-19 pandemic situation in their police areas in Colombo district

**Internal Supervisor** Dr. B.C.V. Senarathna

**External supervisor** None

Perception on online learning, its associated factors and perceived barriers and suggestions to overcome them among medical undergraduates of University of Sri Jayewardenepura during COVID-19 restrictions

### **General Objective**

To describe perception on online learning, its associated factors and perceived barriers and suggestions to overcome them among medical undergraduates of University of Sri Jayewardenepura during COVID-19 restrictions

### **Specific Objectives**

- 1. To describe perception on online learning among medical undergraduates of University of Sri Jayewardenepura during COVID-19 restrictions
- 2. To describe perceived barriers to online learning and suggestions to overcome them among medical undergraduates of University of Sri Jayewardenepura during COVID19 restrictions
- 3. To determine the factors associated with perception on online learning among medical undergraduates of University of Sri Jayewardenepura during COVID-19 restrictions

**Internal Supervisor** Dr. K.L.M.D. Seneviwickrama

**External supervisor** None

Effects of COVID–19 pandemic lockdown on the behavioural patterns and mental state of Sri Lankan University athletes

### **General Objective**

To determine the consequences of COVID-19 pandemic lockdown on Sri Lankan university athletes, in relation to their behavioural pattern, mental state, and associated factors.

### **Specific Objectives**

- 1. To describe the changes in the behavioural pattern of University athletes during COVID-19 lockdown.
- 2. To determine the changes in the mental state of University athletes during the COVID 19 lockdown.
- 3. To describe the associated factors for the changes in behavioural patterns and mental state.

**Internal Supervisor** Prof. Sampatha Goonewardene

**External supervisor** Prof. Hasini Banneheke

A Comparison of Knowledge, Practices and Associated Factors Related to Protein intake between Vegetarian and Non-Vegetarian Sri Lankan Adults

### **General Objective**

To compare knowledge and practices related to protein intake and their associated factors between Sri Lankan adults who do not consume meat or fish and Sri Lankan adults who do consume meat and/or fish.

### **Specific Objectives**

- 1. To compare knowledge about protein requirement and available protein sources between Sri Lankan adults who do not consume meat or fish and those who do consume meat and/or fish.
- 2. To compare the practices related to protein intake between Sri Lankan adults who do not consume meat or fish and those who do consume meat and/or fish.
- 3. To compare the factors associated with knowledge and practices related to protein intake between Sri Lankan adults who do not consume meat or fish and those who do consume meat and/or fish.

Internal Supervisor

Dr. B.C.V. Senaratna

**External supervisor** Prof. P.P.R. Perera

Factors associated with practices towards household waste management in selective districts in Sri Lanka

### **General Objective**

To describe the factors associated with practices towards household waste management in selective districts in Sri Lanka

### **Specific Objectives**

- 1. To describe the practices of household waste management in selected districts in Sri Lanka.
- 2. To determine the factors associated with practices towards household waste management in selective districts in Sri Lanka

### **Internal Supervisor**

Prof. Shamini Prathapan

**External supervisor** None

Attendance of medical students for compulsory and non-compulsory learning activities before and during COVID-19 lockdown

### **General Objective**

To describe the attendance and associated factors of medical students for compulsory and noncompulsory learning activities before and during COVID-19 lock-down

### **Specific Objectives**

- 1. To describe the proportion of attendance of medical students for compulsory and noncompulsory learning activities before and during COVID-19 lock-down.
- 2. To describe the associated factors of medical students' attendance for non-compulsory learning activities before and during COVID-19 lock-down.
- 3. To describe the associated factors of medical students' attendance in compulsory learning activities before and during COVID-19 lock-down.

**Internal Supervisor** Prof. Shamini Prathapan

### External supervisor

Prof. Renu Wickremasinghe

Knowledge and practices among parents on iron overload and used of the Desferal pump in children with Beta Thalassemia Major at the Teaching hospital Anuradhapura and their associated factors.

### **General Objective**

To describe the knowledge and practices among parents on iron overload and used of the Desferal pump in children with Beta Thalassemia Major at the Teaching hospital Anuradhapura and their associated factors .

### **Specific Objectives**

- 1. To describe the knowledge on iron overload and its complications among parents of children with Beta Thalassemia Major at the Teaching Hospital Anuradhapura.
- 2. To describe practices of Desferal pump care among parents of children with Beta Thalassemia Major in Teaching Hospital Anuradhapura.
- 3. To determine the associated factors for knowledge and practices among parents of children with Beta Thalassemia Major in Teaching Hospital Anuradhapura.

**Internal Supervisor** Prof.Sampatha Goonewardena

#### External supervisor

Dr. Bernadene Fernandopulle

Knowledge regarding cirrhosis, attitudes towards cirrhotic patients and factors associated with knowledge and attitudes among adults aged 18 - 30 years in the Western province.

### **General Objective**

To describe the knowledge regarding cirrhosis, attitudes towards cirrhotic patients and factors associated with knowledge and attitudes among adults aged 18 - 30 years in the Western province.

### **Specific Objectives**

- 1. To describe the knowledge regarding cirrhosis among adults aged 18 30 years in the Western province.
- 2. To describe the attitudes of adults aged 18 30 years in the Western province towards cirrhotic patients.
- 3. To describe the factors associated with knowledge regarding cirrhosis and attitudes towards cirrhotic patients among adults aged 18 30 years in the Western province.

**Internal Supervisor** Dr..B.C.V.Senarathna

External supervisor

Dr..G.V.N.Sandakumari

Injury patterns and nature of the road traffic accidents reported to the Accident Service Unit in Colombo South Teaching Hospital and its associated factors

### **General Objective**

To describe Injury patterns and nature of road traffic accidents reported to the accident service unit in Colombo South Teaching Hospital and its associated factors

### **Specific Objectives**

- 1. To describe the injury patterns and it's severity of RTA reported to the accident service unit in CSTH
- 2. To describe associated factors for severity of injuries
- 3. To describe the type of accident, vehicle involved and the party affected of RTA reported to the accident service unit in CSTH

### Internal Supervisor

Prof.Sampatha Goonewardena

## External supervisor

Dr Dhammika Ariyaratne

Mental well-being and coping strategies among undergraduates in selected faculties of state universities in Sri Lanka and its associated factors during the COVID-19 pandemic

### **General Objective**

To describe the mental wellbeing & coping strategies of university undergraduates in Sri Lanka during the COVID-19 pandemic & their associated factors

### **Specific Objectives**

- 1. To describe the mental well-being of university undergraduates in Sri Lanka during the COVID-19 pandemic
- 2. To describe the coping strategies of the university undergraduates in Sri Lanka during the COVID-19 pandemic
- 3. To determine the associated factors of mental well-being & coping strategies of the university undergraduates in Sri Lanka during the COVID-19 pandemic

**Internal Supervisor** Dr. K.L.M.D. Seneviwickrama Dr. D. Alagiyawanna

#### External supervisor

Dr. Prasangika Seneviratne Alles

Parental knowledge, practices and associated factors related to prevention of household poisoning among children from 2 - 10 years in the Western province.

### **General Objective**

To determine parental knowledge, practices and associated factors related to prevention of household poisoning among children from 2 - 10 years in the Western province

### **Specific Objectives**

- 1. To determine parental knowledge regarding household poisoning among children from 2-10 years in the Western province
- 2. To determine parental practices related to prevention of household poisoning among children from 2-10 years in the Western province
- 3. To determine factors associated with parental knowledge and practices related to prevention of household poisoning among children from 2-10 years in the Western province

**Internal Supervisor** Dr. K.L.M.D. Seneviwickrama

**External supervisor** Dr. Shyamini Adikaram

Knowledge and practice of healthy eating and associated factors among medical undergraduates of selected Universities in Sri Lanka

### **General Objective**

To describe the knowledge and practice of healthy eating and associated factors among medical undergraduates of selected Universities in Sri Lanka

### **Specific Objectives**

- 1. To describe knowledge on healthy eating among medical undergraduates of selected Universities in Sri Lanka
- 2. To describe practice of healthy eating among medical undergraduates of selected Universities in Sri Lanka
- 3. To determine the factors associated with healthy eating practices among medical undergraduates of selected Universities in Sri Lanka

### Internal Supervisor

Dr. K.L.M.D. Seneviwickrama

#### **External supervisor**

Prof. U.P.K. Hettiarachchi

Participation and perception towards fundraising programs and factors associated among the undergraduates of selected faculties of University of Sri Jayewardenepura

### **General Objective**

To describe the participation and perception towards fundraising programs and factors associated among the undergraduates of selected faculties of University of Sri Jayewardenepura

### **Specific Objectives**

- 1. To describe the undergraduate participation in fundraising programs in selected faculties of University of Sri Jayewardenepura
- 2. To describe the undergraduate perception towards fundraising programs in selected faculties of University of Sri Jayewardenepura
- 3. To describe the factors associated with the perception towards fundraising programs among the undergraduates of selected faculties of University of Sri Jayewardenepura

### **Internal Supervisor**

Dr. K.L.M.D. Seneviwickrama, Dr. A. Shiyam

**External supervisor** 

Dr. H. Waidyasekera

Sleep quality during the face to face school closure period due to COVID-19 pandemic and associated factors among Teachers in Government schools in Four Districts in Sri Lanka

### **General Objective**

To describe the sleep quality during the school face to face closure period due to the COVID-19 pandemic and associated factors among teachers in government schools in four districts in Sri Lanka.

### **Specific Objectives**

- 1. To describe the sleep quality during the face to face school closure period due to the COVID-19 pandemic among teachers in government schools in four districts in Sri Lanka.
- 2. To determine socio-demographic, comorbidity related and other associated factors for sleep quality during the face to face school closure period due to the COVID-19 pandemic among teachers in government schools in four districts in Sri Lanka.
- 3. To describe the association between sleep quality and mental health during the face to face school closure period due to the COVID-19 pandemic among teachers in government schools in four districts in Sri Lanka.

**Internal Supervisor** Prof. Shamini Prathapan

**External supervisor** Prof. C. Undugodage

Knowledge, attitudes and practices on single use plastics and their alternatives among undergraduate students of a selected faculty in the University of Sri Jayewardenepura and factors associated

### **General Objective**

To determine knowledge, attitude and practices of single use plastics and their alternatives among undergraduate students of a selected faculty in University of Sri Jayewardenepura and factors associated.

### **Specific Objectives**

- 1. To determine knowledge, attitude and practices of single use plastics and their alternatives among undergraduate students.
- 2. To determine the factors affecting knowledge and attitude on single use plastics and their alternatives among undergraduate students.
- 3. To determine the factors affecting practices on single use plastics and their alternatives among undergraduate students

**Internal Supervisor** Prof. Shamini Prathapan

**External supervisor** Dr. S. Edirisinghe

Knowledge and attitudes on and factors associated with blood donation among the young adults (18-30) in Western province

### **General Objective**

To describe the knowledge and attitudes on and factors associated with blood donation among the young adults (18-30) in Western province

### **Specific Objectives**

- 1. To describe the knowledge on blood donation among the young adults (18-30) in Western province
- 2. To describe the attitudes towards blood donation among the young adults (18-30) in Western province
- 3. To determine the factors associated with blood donation among the young adults (18-30) in Western province

### **Internal Supervisor**

Prof. B.C.V. Seneratne

### **External supervisor**

Dr. C.S. Moonesinghe

Knowledge and behaviour related to drinking water consumption and factors associated with these among adults in Sri Lanka

### **General Objective**

To describe the knowledge and behaviour related to drinking water consumption and factors associated with these among adults in Sri Lanka

### **Specific Objectives**

- 1. To describe the knowledge about drinking water among adults in Sri Lanka
- 2. To determine the behaviour related to drinking water consumption among adults in Sri Lanka
- 3. To describe the factors associated with the knowledge and behaviour related to drinking water consumption among adults in Sri Lanka

# Internal Supervisor

Dr. B.C.V Senarathna

**External supervisor** Dr.Aruni de Silva

Knowledge, Prevalence and selected Life style related factors associated with Premenstrual syndrome (PMS) among female undergraduates from selected universities in Sri Lanka

### **General Objective**

To describe knowledge, prevalence and selected lifestyle related factors associated with Premenstrual syndrome (PMS) among female undergraduates from selected universities.

### **Specific Objectives**

- 1. To describe the knowledge on PMS among female undergraduates of selected universities
- 2. To describe the prevalence of PMS among female undergraduates of selected universities.
- 3. To describe selected lifestyle related factors associated with PMS among female undergraduates of selected universities.

**Internal Supervisor** Prof. B.C.V. Senarathna

#### External supervisor

Dr. M.A.M.M. Jayawardane

Knowledge and attitudes among adults aged between 20 to 29 years in selected districts in Sri Lanka on bullying and its associated factors

### **General Objective**

To describe the knowledge and attitudes among adults aged between 20-29 years in selected districts in Sri Lanka on bullying and its associated factors.

### **Specific Objectives**

- 1. To describe the knowledge on bullying among adults aged between 20- 29 years in selected districts in Sri Lanka
- 2. To determine the attitudes on bullying among adults aged between 20- 29 years in selected districts in Sri Lanka
- 3. To describe the associated factors for knowledge and attitudes on bullying among adults aged between 20- 29 years in selected districts in Sri Lanka

#### **Internal Supervisor** Prof. Sampatha Goonewardena

External supervisor

Dr. M.D.I.A. Waas

Biophysical, Behavioural and Anthropometric factors in Predisposition of Non-Communicable Diseases in adults attending Healthy Lifestyle Centers in Kalutara district.

### **General Objective**

To determine the association of biophysical, behavioural and anthropometric factors in predisposition of NCDs in adults attending HLCs in Kalutara district.

### **Specific Objectives**

- 1. To determine the association of biophysical factors in predisposition of NCDs in adults attending HLCs in Kalutara district.
- 2. To determine the association of behavioural factors in predisposition of NCDs in adults attending HLCs in Kalutara district.
- 3. To determine the association of anthropometric factors in predisposition of NCDs in adults attending HLCs in Kalutara district.

### Internal Supervisor

Prof. Shamini Prathapan

#### **External supervisor**

Dr. Sumal Nandasena