



# PHYSICAL ACTIVITY GUIDE & TOOLKIT FOR THE WORKPLACE







## MINISTRY OF HEALTH AND WELLNESS PHYSICAL ACTIVITY GUIDE TOOLKIT FOR THE WORKPLACE

PREPARED BY:
Charmaine Plummer

SECOND EDITION

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## Join the Move for Health and Wealth: Physical Activity Guide and Toolkit for the Workplace Wellness Programme



This is a simple guide and toolkit for implementing a physical activity programme

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## The Development of the Manual guided by:

Health Promotion and Education Unit, Ministry of Health and Wellness Takese Foga, MA, MSc; Sharon Jones, MSc; Julia Manderson, MPH; Sharmaine Edwards MSc

## Health Promotion and Protection Branch, Ministry of Health and Wellness

With special thanks to:

Tamu Davidson-Sadler, MD, MPH; Andriene Grant, PHD; Paula Barrett-Brown, MPH; Dr. Simone Spence B.Sc., MBBS, MPH (HE/HP),

## **Regional Health Authorities**

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## **EXECUTIVE SUMMARY**

## Physical Activity at the Workplace

Workplaces will experience many cost benefits when they invest in physical activity programmes for their staff. Research has shown that the benefits that the individual employee receives will be reflected in increased productivity, reduced absenteeism and reduced staff turn-over to name a few (UK Health and Safety Executive 2004).

## **Getting Started**

This section addresses the structure that needs to be in place at a company for the physical activity programme or any work place wellness programme to begin and be sustained. It looks at finding out the needs of the individuals as it relates to physical activity and the resources needed for the programme. The section also highlights the ways in which the persons with special needs can still be accommodated in a physical activity programme.

## **Programme Design**

The design of the programme is based on information received from the staff and the type of resources that will be invested in the programme. The programme should be marketed to all staff and having begun, it should be carefully monitored and evaluated.

## **Toolkit**

This comprises useful and relevant information sheets, as well as forms to be filled out, that will help individual employees assess their own health status.

## BACKGROUND

According to the World Health Organization, Non-communicable Diseases (NCDs) are the major causes of mortality and morbidity worldwide, and is the main cause of premature deaths in the 30-70 year age group (Global Action Plan for the Prevention and Control of Non-communicable Disease 2013-2020).

Non Communicable Disease is the leading cause of death and disability in the Caribbean. Approximately 60% of deaths in the Caribbean population can be attributed to NCDs. In Jamaica, NCDs are the number one contributor of morbidity and mortality. The four common underlying behavioural risk factors for these diseases are: tobacco use, harmful use of alcohol, unhealthy diet and physical inactivity (Jamaica National Strategic and Action Plan for the Prevention and Control of Non-communicable Diseases, 2013).

## INTRODUCTION

Physical activity is body movement that allows the body to utilize energy. Regular physical activity plays a vital role as a protective and preventive factor for health and wellbeing and is critical in the management and reduction of chronic non-communicable disease. It can reduce global mortality by at least 6%, reduce ischemic heart disease by 30%, diabetes by 27%, breast, and colon cancer 21-25% physical activity burns fat, helps to maintain a healthy weight and it reduces stress. (Global Recommendation on Physical Activity for Health: World Health Organization 2010). It also contributes to the prevention of other health conditions such as overweight and obesity, improved mental health, delay in the onset of dementia and improved overall quality of life.

According to Global Action Plan on Physical Activity 2018-2030, globally, physical inactivity was estimated to cost (USD) 54 billion in direct health care, in 2013, of which 57% was incurred by the public sector and an additional 14 billion is attributable to lost productivity (17). Worldwide, 23% of adults and 81% of adolescents (aged 11–17 years) do not meet the WHO global recommendations on physical activity for health.

A company, that provides the resources and programmes that promote increased physical activity will enable its staff to live healthier and longer. Investing in employees' health will help increase the wealth of the company as employees' health is directly related to the costs of sick leave and absenteeism. It is therefore a benefit to the company when employees are encouraged to live an active life while at work. A physical activity programme can also build positive rapport and enhances staff morale.

The Jamaica Health and Lifestyle, Survey III 2016-2017 showed eighty two percent (82%) of Jamaicans engaged in low physical activity, sixteen percent (16%) in moderate activity (minimum World Health Organization recommendations) and two (2%) high activity. This is did no differ for age and sex. Fifty two (52%) had made no attempt to increase their physical activity level within the last year.

There are several other factors that contribute to physical inactivity. These factors include urbanization, increased access to technology and the media. As a result of these changing social values and behavioural practices, individuals are forced to live in a highly-paced, stressful environment which inevitably leads to a sedentary lifestyle.

A comprehensive physical activity programme is one of the most cost effective measures that workplaces can put in place to aid in the reduction of the NCD burden. Increased evidence has demonstrated that many health benefits can be derived simply from becoming more physically active.

However, the greatest benefits come from engaging in a planned and structured physical activity programme. In light of this, the Ministry of Health and Wellness (in collaboration with the Regional Health Authorities and other key stakeholders) has developed this resource guide to provide employers with basic information to assist in the development and implementation of structured physical activity programmes for employees. This guide seeks to address some critical areas that must be incorporated when planning and executing successful physical activity workplace programs.







## Physical Activity at the Workplace

Although companies continue to explore innovative ways to improve business, employees continue to spend most of their time at work, leaving very little time to incorporate physical activity in the rest of their day.

According to the World Health Organization, worldwide, a physical activity programme for staff lowers short term sick leave by 32%, lowers the cost of health care by 55% and improves productivity by 52%. A company that provides the resources and programmes that promote increased physical activity will enable its staff to live healthier and longer. Investing in employees' health will help increase the wealth of the company as employees' health is directly related to the costs of sick leave and absenteeism (Global Recommendations on Physical Activity for Health, World Health Organization 2010). It is therefore a benefit to the company when employees are encouraged to live an active life while at work. A physical activity programme can also build positive rapport and enhance staff morale.





## Benefits of a Physical Activity Programme

## **Health Benefits for Employees**

(2008 Physical Activity Guidelines for Americans)

- ✓ Improves concentration
- ✓ Reduces depression and anxiety
- ✓ Reduces stress
- ✓ Strengthens heart and lungs
- ✓ Lowers the risks of heart disease

✓ Assists in the management of blood pressure and diabetes

✓ Helps lower bad cholesterol in the blood

✓ Burns fat and helps in maintenance of a healthy weight

✓ Strengthens bones and reduces osteoporosis

✓ Increases energy

✓ Increases strength and flexibility



## **Recommendations**

## Children

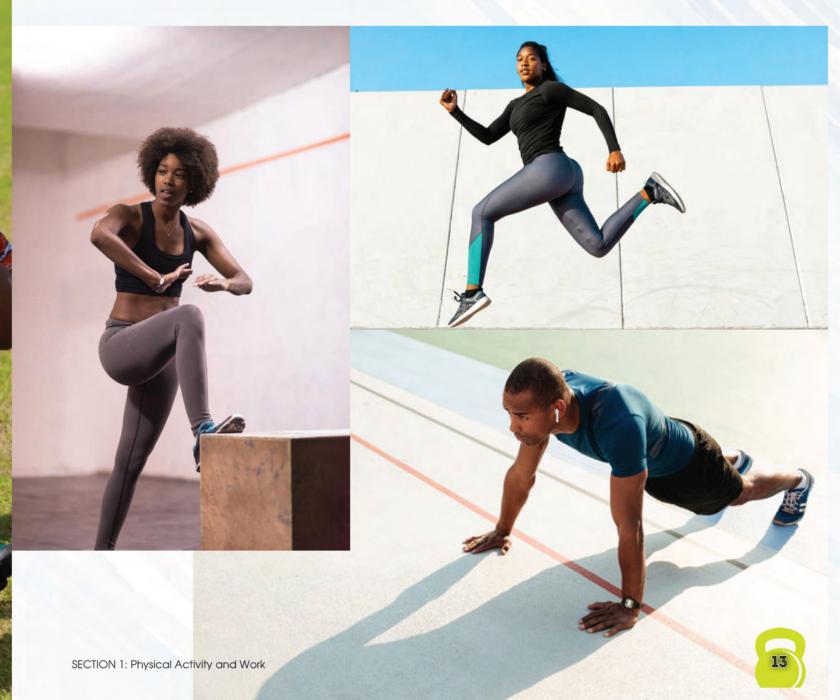
- ✓ 3-5 years: at least 60 minutes of structured activities and several hours of free play daily.
- ✓ 6-17 years: at least 60 minutes of moderate to vigorous at least 5 days per week.
- ✓ They should do a combination of muscle strengthening and bone strengthening activities at least 3 days per week as a part of the 60 minutes.



## Adult

- At least 30 minutes 5 days per week or an accumulation of 150 minutes per week to gain some health benefits.
- ✓ At least 60 minutes 5 days per week or an accumulation of at least 300 minutes 5 days per week if you want to lose weight.
- ✓ At least 60-90 minutes or an accumulation of at least 300-450 minutes 5 day per week if you are obese and want to lose and maintain weight.

There are a number of ways one can accumulate the recommended amount of physical activity each day. Example a 30 minutes physical activity session can be done in three 10 minute bouts throughout the day. In order for this to be effective each 10 minutes bout must be done continuously each time. Choose a method that best fits into your daily routine that you can achieve.



## Adults 65 years and above:

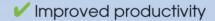
- ✓ Should do at least 30 minutes of moderate-intensity aerobic activity five days per week or do at least 25 minutes of vigorous-intensity aerobic physical activity at least three days per week.
- ✓ Aerobic activity should be performed in bouts of at least 10 minutes duration. For additional health benefits, activity should be done at moderate-intensity at 60 minutes five days per week, or engage in 30 minutes of vigorous- intensity aerobic physical activity five days per week this can be a combination of moderate- and vigorous-intensity activity.







## Cost Benefits for Employers (UK Health and Safety Executive 2004)



✓ Fewer insurance and compensation claims

✓ Reduced absenteeism

✓ Decreased accidents

✓ Reduced staff turn-over

✓ Improved ability to cope with workplace changes

✓ Improved staff morale





## C

## **Medical Approval**

Although moderate physical activity such as brisk walking is safe for most people, the Ministry of Health & Wellness recommends that employees talk to their doctor before they participate in a physical activity programme if any of the following apply:

- ✓ History of heart disease, asthma, lung disease, diabetes, kidney disease or arthritis
- ✓ Pain or discomfort in the chest, neck, jaw or arms during physical activity
- ✓ Dizziness or fainting with exercise or exertion
- ✓ Shortness of breath with mild exertion
- ✓ Ankle swelling (especially at night)
- ✓ A rapid or pronounced heartbeat
- ✓ A heart murmur that has previously been diagnosed
- ✓ Lower leg pain when walking, which goes away with rest
- ✓ Male over age of 45 or females over the age 55
- ✓ Family history of heart disease before age 55 in men and age 65 in women
- ✓ Lack of exercise for three (3) months or more
- ✓ Overweight or obese
- ✓ High blood pressure or high cholesterol
- ✓ Impaired glucose tolerance
- Any underlying medical condition



APPROVED

## SECTION CO GETTING STARTED





## **Step 1: Management Support**

Management support is critical in the success or failure of the programme. The managers must be the innovators and take a leading role in promoting the programme. They should actively participate in the various activities within the programme.



## Step 2: Establish a Programme Committee

A successful physical activity workplace programme should be guided by a programme committee with specific roles. The committee should have representatives from various departments within the company. The members should have a passion for physical activity, and be willing to motivate and lead by example. The team will be responsible for the development, implementation and evaluation of the programme. Where technical expertise is lacking on the committee, the professional expertise of a personal trainer, physical education teacher or coach should be sought. They can assist with the development of the programme.



## **Step 3: Getting Staff to Participate**

In order for the programme to be successful, it must meet the needs and interest of your staff. It is therefore critical that these be identified. This can be done by conducting an assessment through a simple survey such as telephone (including mobile phones) survey or Internet survey at your workplace. This should be done as a pre-implementation activity. Some critical information to find out are:

- ✓ Does staff know the importance of physical activity and health?
- ✓ Is staff interested in participating in a physical activity programme?
- What types of activities are staff interested in?

- What time of day would they like the programme to be offered (before, during or after work)?
- What are the preferred days and number of days per week (Mon, Wed, Fri 3 days per week or Tue, Thur 2 days per week)?
- ✓ What types of incentives would motivate them to participate?
- ✓ Will they pay for the programme in full or pay a portion?



## **Step 4: Identify Resources**

Identify, list and cost all potential resources that will be needed for the physical activity programme. Three main areas to take into consideration are: the facility, equipment and the instructor for the programme.



## **Facilities**

Ensure that there is an area that is available to accommodate various types of activities. Some examples are: large conference room, canteen or other areas that can be set up to facilitate various types of physical activities. A field, netball court or gym near the workplace can also be considered for activity. Map out the days and times these areas may be available to accommodate physical activity sessions.

If the workplace has a large contingent of workers with a small facility to accommodate a physical activity programme you can put other measures in place to ensure everyone has access and is able to participate in the programme. Some alternatives are: stagger the activities throughout the day, conduct the activities on a shift rotation, or offer a variety of activities that can be done at the facility. If the above mentioned cannot be facilitated, the company can provide membership to a gym that is near the workplace. If the company is small everyone should be targeted and encouraged to participate, or companies can also invite members of surrounding communities to join their programme.

## Instructor

The next step is to identify an instructor who will be able to design a programme to meet the specified criteria. The success of the programme to a large extent will be determined by the instructor. It is critical to ensure that the instructor has the right qualification, for example, Physical Education Teacher, medical doctors, nutritionist, physiotherapist, certified personal trainers. The instructor should provide you with an outline of how he/she will develop and implement a successful programme. It is important that you discuss with the instructor how you will evaluate and monitor the success of the programme.





## Physical Activity for Employees with Disabilities

## **Activity for the Disabled**

Physical activity plays a vital role in the prevention of mortality and morbidity, however when planning workplace programmes some groups are often not taken into consideration. According to the U.S. Centers for Disease Control and Prevention (CDC) people with disabilities are less likely to participate in moderate physical activity, thus it is imperative that your programme be participatory, available to all employees and designed to meet the needs of everyone. The environment and facilities where physical activity sessions will be conducted should be attractive and accessible to employees, especially those with special needs.

## Types of activities for persons with disabilities

**Swimming:** this can provide a full body workout. Water provides a natural resistance and there is no impact on the joints. Thus, it is a good activity for persons with osteoarthritis and other health conditions.

**Chair workout:** this type of activity can be used to increase flexibility and muscle strength. Extend arms or legs for as long as you can endure then return to starting position. Repeat in sets of 2 or 3. Light weights can also be added to increase muscle strength.

**Dance:** this is an activity that everyone can do, even the person who is blind, has 1 leg, no arm or is confined to a wheelchair. Everyone can move to the rhythm. All that is required is the music and the will power.

**Stretch Break:** take 1-2 minutes from the work occasionally and stretch the muscles.

**Basketball/Netball:** employees with a disability who are confined to wheelchairs can be a part of a basketball/netball team. The rules of the game may need some minor adjustments.

Wheeling: the wheelchair can be used as exercise equipment for persons with disabilities. For example: A person confined to a wheelchair should be encouraged to use their arms to push their chair for 1-2 minutes up and down the hallways 1 or 2 times each day. They can also be encouraged to participate in lunch time walks/ wheeling (if the sidewalks are wheelchair accessible) with other employees.



## SECTION SECTION PROGRAMME DESIGN



## **Structured Physical Activity Programme**

Now that you have information from your staff and you have identified an instructor, the next step is to develop a structured physical activity programme. This programme should contain a variety of activities driven by the needs and interests of the workers. Ideally, each physical activity session should last for at least an hour for a minimum of 3 days per week.

The following steps should be taken to ensure that the needs of staff are met:



## **Keeping Records for Participants**

A system should be in place where a file is developed and stored for each participant. The files should be stored in a private area. No one should be allowed to view the files except the trainer, client and/or Director/Manager. Participants must be assured that their information will not be shared with anyone without their permission. Having a file on each participant will help him/her and instructor to record information and keep track of progress, making adjustments accordingly.



## **Assessment**

A register should be taken to keep track of participants who attend physical activity sessions. This is important for monitoring and evaluation. It is essential that participants are properly assessed before engaging in any form of activity. See more on assessment under Physical Activity Tool Kit - Section 4.



## **Fitness Test**

Following the assessment, a fitness test should be conducted for each participant. See Section 4.



## **Incentives**

Having an incentive segment is a great way of motivating staff to participate in the programme. Incorporate staff ideas and choose incentives that are realistic and affordable. Having incentives as part of the programme will give staff an opportunity to work towards their goals. Competitions are a great way of integrating an incentive component. Ensure that the target set for gaining an incentive is within reach. This will allow the workers to stay motivated as they are able to reach the target.









Water bottle



Cellular Telephone

## Companies should:

- Work out how many incentives will be awarded throughout the life of the programme
- Determine at what stage of the programme incentives will be awarded
- Establish what types of incentives will be awarded at the various stages
- Decide how often the incentives will be awarded
- Determine what are the criteria for getting an incentive

## **Examples of Criteria for Prizes**

- A points system in which participants are awarded a prize for attending a specified number of sessions per week/months.
- Number of persons losing weight/inches on a monthly basis (healthy weight loss is 2 lbs.) per week)
- Person who attends the most sessions per month.
- Persons who participate in all activities throughout the length of each session weekly/ monthly
- Spot prizes during the session



## **Programme With Limited or No Resources**

There are several other physical activity initiatives that the company can implement with limited or no resources.

### Stretch Breaks

Encourage staff to take stretch breaks at their desk at varied intervals throughout the day.

## Stair Climbing

Encourage employees to take the stairs instead of the elevator.

### Desk Break

Take a 1 minute step from the desk and walk up and down the aisle/passage 3-5 times for the day.

### **Lunch Hour Stroll**

Encourage staff to take walks during their lunch break.

## No Elevator Day

Choose one day out of the week when the elevator will be closed and encourage staff to use the stairs, e.g. Every Wednesday is "Tek de Stairs Day".

### **Movement Corner**

Identify an area/corner and assemble a 'mini gym' with simple equipment that can facilitate simple movements that staff can do with no supervision.

Equipment such as: hula hoop, mini trampoline, skipping ropes, Chinese skipping ropes, resistant bands, Body Mass Index (BMI) charts, scales etc. Encourage staff to take small breaks and use the station. Depending on the size of the company, it could be one station or a station in several departments. Assign a volunteer to monitor the area. Ensure a log is kept to indicate usage pattern by employee.

## **Friendly Competitions**

Plan and organize a series of physical activities in the form of competitions that all staff members are able to participate in. This can be done on a weekly, monthly or quarterly basis with a final competition at the end of the year. Organize staff by units/division and have them compete against each other (dancing, skipping etc.).

### **Business House Competitions**

Encourage staff to form teams (netball, volleyball, football, basketball etc.) and compete against each other.





## **Marketing Your Programme**

Now that all the major ground work has been done, the next phase is to market the programme to staff. Various methods can be used to get this done. Some examples are: holding one on one meetings, oneto-one sharing, intranet, email, the notice board, during meetings or handing out flyers. Outline the benefits of participating in the programme and advertise some of the prizes that can be won.











## **Programme Launch**

Set a date when the programme will officially be launched. Invite everyone to the area the programme will take place.

- Invite the instructor to conduct a mini session on some of the exciting activities that the programme will entail.
- Conduct an oral presentation on the importance of physical activity.
- Encourage management, the committee members and other staff to join in and participate in the activities.



- Set up a display to showcase some of what is to come in the programme (types of activities, incentives and more).
- Explain what the programme is about.
- Give workers an opportunity to ask questions.
- Take photos of the activities and use as a way to aid in the promotion of the programme.



## Programme Evaluation

Evaluation should be a very critical component of your programme. Research has proven that effective and successful programmes have ongoing evaluation. In order to determine the value of your programme, it is vital that you incorporate an evaluation component at the beginning. An evaluation that is well planned will provide feedback to guide the success of your programme.

Information to be gathered from your evaluation will give an indication of the success or failure of your programme. This can help build your case for the continuation of the programme. Evaluating your programme also provides information on the following:

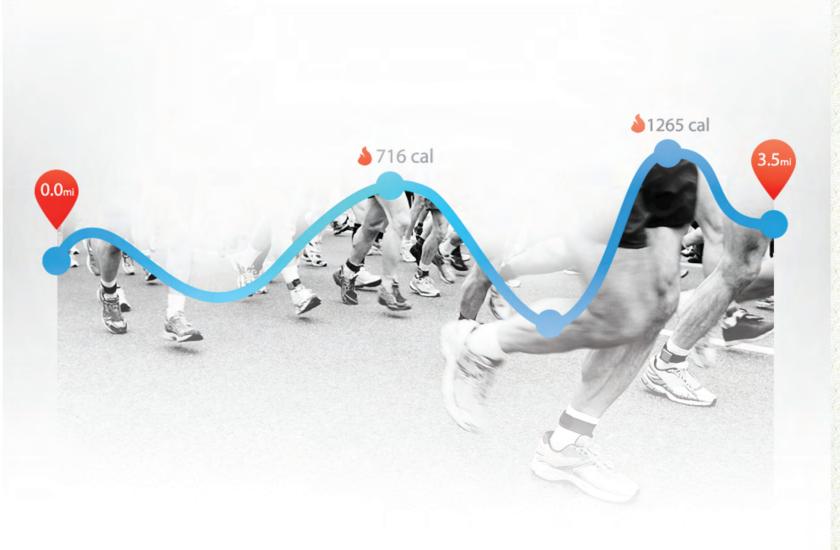
- Is the programme meeting its goals?
- ✓ What is the overall impact of the programme (for employees and employer)?
- An understanding of employee attitudes toward the programme.
- ✓ Participants' progress
- ✓ The success of the programme and strengthening the financial responsibility and accountability.

Developing appropriate programme evaluation requires careful planning. You need to decide who will be responsible for this area and what method will be used. You also need to take into consideration what type of resources are available to conduct an evaluation and the type of information to be collected.

It is recommended that you monitor your programme on an on-going basis. This can be done by conducting focus group discussions, administering questionnaires and analysis of each person's file. Suggestion boxes are also a great way to give workers a chance to make suggestions/share concerns about the programme.



# SECTION HIT TOOL KIT



This section contains various tools that will aid in the development of a successful workplace physical activity programme. There are a total of 17 different forms; some are designed specifically for the programme coordinator and some to be used by individual employees. They are as follows:

Wellness Coordinator or Personal Trainer					
Employee Needs Assessment					
2. Employee Reintegration Form					
3. Physical Activity Assessment Form					
4. Assessment of Body Parts					
5. Fitness Tests					
6. Calculation of Body Mass Index (BMI)					
7. Instructors Evaluation Form					

	Individual or Personal Use	
1.	Physical Activity Personal Record sheet	
2.	Weekly Workout Sheet	
3.	Personal Fitness Goal	
4.	Physical Activity Calendar	
5.	How Many Calories Does Physical Activity Use?	
6.	Hydration	
7.	Fast Food Calorie Count and Activity to Burn Calories	
8.	Calorie Count-Jamaican Fruits	
9.	Information, Educational & Communication Materials (IEC)	



## Employee Needs Assessment

	, in continuing to invest in the health of our staff, would like to
	Name of Organization
insti	tute a physical activity programme. However, we need your feedback to ensure it is a
pro	gramme that caters to your needs. Kindly complete this survey to allow us to design such
a pi	rogramme.
1.1	am aware that I need to participate in more physical activity in order to improve my
hec	alth?
a)	Strongly Agree
b)	Agree
c)	Not sure/Don't know
d)	Do not agree
e)	Strongly Disagree
2. If	the company were to introduce a physical activity programme for staff, would
you	consider participating in this programme?
a)	Yes
b)	Not sure
c)	No (Please state reason)
3. W	Vhat types of activity would you participate in?
a)	Walking
b)	Dancing
c)	Aerobics
d)	Running
e)	Other (State)



4. V	rnat 3 days of the week would you pr	eter to	participate i	n physical activity?
a)	Monday			
b)	Tuesday			
c)	Wednesday	S. Salar		
d)	Thursday			
e)	Friday			
f)	Saturday			
g)	Sunday			
5. W	ould you be willing and able to parti-	cipate	if the progra	mme begins at 5pm?
a)	Yes			
b)	No			
c)	Not sure			
6. If	we could begin the activity at 4:30pr	n, wou	ıld you be wil	ling to consider the following?
a)	Reaching work by 8am to compensate for time used for physical activity	YES	NOT SURE	NO
b)	Giving up ½ hr of lunch time	YES	NOT SURE	NO
c)	Working ½ hr later on another day	YES	NOT SURE	NO
d)	Other considerations			
-				
7. H	ow long would you prefer the physico	al activ	rity sessions to	be?
a)	30 Minutes			
b)	45 minutes			
c)	1hour 1			
d)	1½ hours			

8. V	hat are the barriers that would prevent you from participating in the physical activity
pro	gramme?
a)	Personal and/ family commitments
b)	Being tired at the end of the day
c)	If there are any costs attached to the programme
d)	Having to carry a change of clothes
e)	Other (State)
9.	I currently get at least 30 minutes of physical activity for 3 or more days per week
a)	Yes. I have been doing this for at least the last 6 months
b)	Yes. I have started doing this in the last 6 months
c)	No. I have been thinking about starting this in the next month
d)	No. I have been thinking about doing this at some stage though
e)	No. I do not plan to do this
10.	What would encourage you to participate and stay in the proposed physical activity
pro	gramme?
1	





This form can be used for recording keeping.

	10 To				Days				
		Sun	Mon	Tue	wed	Thur	Fri	Sat	Signature
						X			
1 (1) 1 (1) 1 (1)									
						77.14			

Physical Activity Registration Form: 01 MOH/HPE (CMP) 2013





## **Physical Activity Assessment Form**

## PARQ (Physical Activity Readiness Questionnaire) TEST

Physical inactivity is listed as the fourth leading cause of global mortality (global recommendations on Physical Activity for Health WHO). With this in mind, persons are encouraged to be more active in order to live more healthily. Whilst it is usually safe for persons to become more physically active, it is important that persons experiencing certain conditions check with their physicians before they start any form of physical activity programme.

If you are planning to start a physical activity programme here is a list of questions you should answer before you start and these questions will help to determine how safe it is for you.

The PAR-Q is for the age group, 15 to 69, and will determine if you should check with your doctor before you start exercising. If you are over 69 years of age, and you are not used to being very active, check with your doctor. Common sense is your best guide in answering these questions. Read the questions carefully and answer each one honestly.

Yes	No	
		Has your doctor ever said that you have a heart condition and that you should
		only do physical activity recommended by a doctor?
		Do you feel pain in your chest when you do physical activity?
		In the past month, have you had chest pain when you were not doing physical
		activity?
		Do you lose your balance because of dizziness or do you ever lose consciousness?
		Do you have a bone or joint problem that could be made worse by a change in
		your physical activity?
		Is your doctor currently prescribing drugs (for example, water pills) for your blood
		pressure or heart condition?
		Do you know of any other reason why you should not do physical activity?

## If you answered YES

If you answered "yes" to one or more questions, talk with your doctor before you start becoming more active. Your doctor will advise you on what type of activity is best for you to participate in. It is very important that you follow his/her advice.



#### If you answered 'NO'

If you honestly answered no to all the questions, you can be reasonably sure that you can start becoming much more physically active. Make sure you start slowly and gradually increase your activity load.

#### **Things Change**

Although you answered "no" to all questions, if you are feeling sick with a cold or fever or if you are pregnant, discuss with your doctor before becoming more active. You might need to alter your physical activity programme.

**NOTE:** If the PAR-Q is being given to a person before he or she participates in a physical activity programme or a fitness appraisal, this section may be used for legal or administrative purposes.

I have read, understood and completed this questionnaire. Any question I had was answered to my full satisfaction.

NAME	DATE	
SIGNATURE OF PARENT	WITNESS	
or GUARDIAN (for participants unde	er the age of majority)	

Make sure you get approval from your doctor before starting an exercise programme. Your doctor will determine the level at which one should start exercising. Discuss with your doctor what types of exercise might be appropriate for you. Complications of diabetes such as severe eye disease and nerve damage may make some forms of exercise dangerous. Your doctor may also schedule a test to see how your heart responds to exercise.

**Adopted from:** PAR-Q and You. Canadian Society for Exercise Physiology. Revised 1994. Physical Activity Readiness Questionnaire, British Columbia Ministry of Health Department of National Health and Welfare, Canada, revised 1992.



#### **Assessment of Body Parts**

Description	First Assessment	Second Assessment	Third Assessment	Date
Weight				
Height				
Neck				
Shoulder				
Bust/chest				
Waist				
Hips				
Thighs L&R				
Calves L&R				
Arms L&R				
Over-weight by	LBS	LBS	LBS	
Under-weight by	LBS	LBS	LBS	
Target weight by	LBS	LBS	LBS	

Physical Activity Assessment Record: 01 MOH/HPE (CMP) 2013





All Personal Trainers must select and administer one of the several clinical fitness tests from an accredited institution before engaging anyone in a structured Physical Activity Programme.

Description	Excellent	Good	Average	Poor
Resting Heart Rate Test				
3-Minutes Step Test				
Sit & Reach Flexibility Test				
1 Minute Sit-Up Test/Abdominal Test				
Standing Long Jump Test (Broad Jump)				
Push-up Test (Modified for women)				
20 Minute Multistage Fitness Test (Beep Test) Instructions				
1 Mile Run				

Physical Activity Fitness Test Form: 01 MOH/HPE (CMP) 2013



#### **Fitness Assessment Form**

Participants/employees must be assessed by their medical doctor before engaging in any form of exercise.

Be sure to check patient's physical condition before they start exercising.

Name:			_Age:
Occupation:			Phone:
Address:			
Were/are you engaged in	any PA progra	ımme	
If yes, explain:			
Healthy Lifestyle Goal:			
Are you currently experier	ncing any of the	e following problems:	
Lower back	Shoulder	Elbow	Joint
programme:			participation in an exercise





#### Body Mass Index allows you to compare a person's weight in relation to their height

How to use the BMI chart?

1. Locate the person's height in:

Feet & inches on the left column or in meters on the right column and put a mark there Note: The numbers increase in these columns going down the scale.

2. Locate the person's weight in:

Pounds in top row or Kilogram in bottom row.

3. The person's BMI is the point at which the two marks meet on the chart. Use the colour codes at the bottom of the chart to interpret the BMI.

#### エーのエー를

# Applicable for Males and Females Over the Age of 18 years BODY MASS INDEX CHART

# WEIGHT -Ibs

	1.52	1.55	1.57	1.06	1.63	1.65	1.68	1.70	1.73	1.75	1.78	1.80	1.83	1.85	1.88	1.91	1.93	
250	49	47	46	44	43	42	40	39	38	37	36	35	34	33	32	31	30	113
245	48	47	45	43	42	41	40	38	37	36	35	34	33	32	31	31	30	111
240	47	45	44	43	41	40	39	38	37	35	34	34	33	32	31	30	29	109
235	46	44	43	42	40	39	38	37	36	35	34	33	32	31	30	29	29	107
230	45	44	42	41	40	38	37	36	35	34	33	32	31	30	30	29	28	104
225	44	43	41	40	39	37	36	35	34	33	32	31	31	30	29	28	27	102
220	43	42	40	39	38	37	36	35	33	33	32	31	30	29	28	28	27	100
215	42	40	39	38	37	35	34	33	32	31	30	30	29	28	27	26	26	16
210	41	39	38	37	36	35	34	33	32	31	30	29	28	27	27	26	25	95
205	49	38	37	36	35	34	33	32	31	30	29	28	27	27	26	25	25	93
200	39	37	36	35	34	33	32	31	99	29	28	28	27	26	25	25	24	16
195	88	36	35	34	33	32	31	30	29	28	28	27	26	25	25	24	23	88
190	37	35	34	33	32	31	8	29	28	28	27	26	25	25	24	23	23	98
185	36	35	33	32	31	30	29	29	28	27	26	25	25	24	23	23	22	84
180	35	34	33	32	31	30	29	78	27	26	25	25	24	23	23	22	22	82
175	34	33	32	31	30	29	88	27	26	25	25	24	23	23	22	21	21	62
170	33	32	31	30	29	28	27	97	25	25	24	23	23	22	21	21	20	0/
165	32	31	30	29	28	27	78	25	25	24	23	23	22	21	21	20	20	75
160	31	30	29	28	27	26	25	25	24	23	23	22	21	21	20	20	16	73
155	99	29	28	27	26	25	25	24	23	22	22	21	21	20	61	61	81	70
150	29	28	27	26	25	25	24	23	22	22	21	21	20	61	61	18	18	89
145	88	27	26	25	24	24	23	22	22	21	20	20	16	61	18	18	17	99
140	27	78	25	24	24	23	22	22	21	20	20	16	16	18	18	17	11	63
135	92	25	24	24	23	22	21	21	20	20	16	18	18	17	17	91	91	19
130	25	24	23	23	22	21	21	20	61	16	18	18	11	11	91	91	15	59
125	24	23	22	22	21	20	20	16	61	18	18	17	17	91	91	15	15	22
120	23	22	22	21	20	20	19	18	18	17	17	91	91	15	15	15	14	54
115	22	21	21	20	16	61	18	18	17	17	91	91	15	15	14	14	14	52
91	21	20	20	16	18	18	17	17	91	91	15	15	14	14	14	13	13	20
105	20	16	16	18	18	17	17	91	91	15	15	14	14	13	13	13	12	48
91	61	18	18	17	17	91	91	15	15	14	14	14	13	13	13	12	12	45
	2.0.3	2,1,2	5.5"	5'3"	5'4"	2.2.	2,6"	5.7.	2,62	2,62	5'10"	5'11"	.0.9	1.9	6.2"	6'3"	6.4"	
V	C.	c,	C.	c,	c,	S.	c,	3	c,	r,	ည	ഹ	•	9	•	•	•	

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# WEIGHT -kg

Healthy weight (BML 18.5 to 24.9)

Underweight (BML Less Than 18.5)

O GI

Overweight (BML 25 to 29.9)

Extremely Obese (BML 40 and above)



#### Dear Participants:

This form is provided for you to give your feedback on the physical activity sessions you participated in over the last 6 months period. Please rate the physical activity session in the following areas on a scale of 1-4, with 1 being the lowest and 4 the highest. Place a circle/tick at the number that best describes your answer.

#### THE INSTRUCTOR

-	1321			
1)		IIV	$\sim$	n
$\boldsymbol{\nu}$	$\overline{}$	HΥ	C	ry

Organized each session?	1	2	3	4
Clearly explained how to do activity?	1	2	3	4
Communicated clearly?	1	2	3	4
Answered questions adequately?	1	2	3	4
Demonstrated effectively?	$\sim 1$	2	3	4
Emphasized important points?	1	2	3	4
Assisted when doing difficult activity?	1	2	3	4
Was available for consultation?	- 1	2	3	4

#### Deportment

Was on time for session?	1	2	3	4
Dressed appropriately?	1	2	3	4
Conducted self professionally?	1 -	2	3	4

#### **Additional Comments**

Please provide any comments or suggestion about the programme.

Thank You





#### **Physical Activity Personal Record Sheet**

#### Physical Activity Personal Record Sheet

	Sun	Mon	Tue	wed	Thur	Fri	Sat
Example	5 min.	10 min.	10 min.	10 min.	15 min.	15 min.	15 min.
Week 1					6. 6. 5. 5.6		
Week 2							
Week 3			V 1997				
Week 4							W. (20)
Week 5							7.00
Week 6							
Week 7							
Week 8							
Week 9							
Week 10							
Week 11							
Week 12							
Week 13							



#### **Weekly Workout Sheet**

This form can be used for recording keeping.

Sun	Mon	Tue	wed	Thur	Fri	Sat
	5:05 – 5:20 Road Walk/run (1,3 & 5K)	5:05 – 5:30  Aerobics Strength Work  (Belly Burn Leg Tone)	5:05 – 5:20 Oldies Game Hop Scotch Skipping Hula Hoop	5:05 – 5:20  Road Walk/run (1,3 & 5K)  Strength Work  (Squats, Lunges)	5:05 – 5:20 Dancercise Reggae Jam	
	5:25 – 6:30 Stairwell Run	5:30 – 6:30 Hiking	5:25 – 6:30 Upper Body Stretching	5:25 – 6:30 Lower Body Stretching	5:25 – 6:30 Yoga/Med- itation	

Physical Activity Registration Form: 01 MOH/HPE (CMP) 2013



#### **Personal Fitness Goal**

Short Term: to be achieved by the end of the week/month	Long Term: to be achieved by the end of the year
1	
2	2
3	3
4	4
5	5



#### **Physical Activity Calendar**

Cardiovascular	Strength	Flexibility	Recreational	Sport	Relaxation	Free Day
1) Brisk Walking	2) Sit-ups & Squats	3) Upper body stretch	4) Mowing lawn / Gardening	5) Netbal	6) Hula Hoop	7)
			A			
3) Dancing	9) Push-ups and Leg Curl	10) Lower body stretch	11) Washing car	12) Tennis	13) Ring games	14)
					NATE OF THE PARTY	
(5) Skipping	16) Sit-ups & Squats	17) Upper & lower body stretch	18) Swimming	19) Track & Field	20 Dandy Shandy	21) 5k walk/ run
R						
22) Jogging	23) Lunges & Arm curl	24) Upper body stretch	25) Evening walks	26) Football	27) Hop Scotch	28)
	A		M			
29) Dancing	30) Push-ups and Jumping Jacks	31) Lower body stretch	N	lay is Move fo	or Health Mon	th



#### **How Many Calories Does Physical Activity Use?**

The following table shows calories used in common physical activities at both moderate and vigorous levels.

Calories Used per Hour in Common Physical Activities					
Moderate Physical Activity	Physical Activity  Calories/30 Minutes for a 154 lb Person <sup>1</sup>				
Hiking	185	370			
2 Light gardening/yard work	165	330			
Dancing	165	330			
Golf (walking and carrying clubs)	165	330			
Bicycling (<10 mph)	145	290			
Walking (3 ½ mph)	140	280			
Weight lifting (general light workout)	110	220			
Stretching	90	180			

Vigorous Physical Activity	Approximate Calories/30 Minutes for a 154 lb Person <sup>1</sup>	Approximate Calories/Hr for a 154 Ib Person <sup>1</sup>		
Running/jogging (5 mph)	295	590		
Bicycling (>10 mph)	295	590		
Swimming (slow freestyle laps)	255	510		
Aerobics	240	480		
Walking (4.5 mph)	230	460		
Heavy yard work (chopping wood)	220	440		
Weight lifting (vigorous effort)	220	440		
Basketball	220	440		

#### N.B. Calorie counts are estimates

Source: Adapted from http://www.cdc.gov/healthyweight/physical\_activity/index.html



<sup>1</sup> Calories burned per hour will be higher for persons who weigh more than 154 lbs (70 kg) and lower for persons who weigh less.



#### **Avoid Heat Exhaustion**

This is caused by heavy sweating; some signs and symptoms are: weakness, dizziness and nausea. Heavy sweating, if not controlled, can lead to dehydration, decreased blood pressure, increased heart rate and decreased blood volume.

Make sure you drink lots of water before, during and after each physical activity session. Do not wait until you are thirsty before you drink water, this means that you are in danger.

Time Period	Amount of Water
2 to 2 ½ hours before	At least 2 cups of water
0 to 15 minutes before	2 cups of water
Every 15 minutes during physical activity	2 cups for every pound lost or until urine is pale

Exercise in the morning and evening when it is cool.

Try not to work out too intensely if the day is very hot.

If you are exercising at a moderate or intense pace for more than 1 hour, it is best to drink some sort of sports drink to replace the electrolytes the body loses during this process.

N.B. Do not make your own sports drink; this can be very dangerous, as the proper formula might not be attained. This can adversely affect blood sugar level.





#### Fast Food Calorie Count and Activity Required to Burn Calories

Food	Calories	Activity to Burn Calories
Donut	230	59 minutes. of walking (3 mph)
Cookie	440	62 minutes. of biking (10-11.9 mph)
Cinnamon Roll	500	85 minutes. of dancing
Vanilla Ice Cream	0.5 cup; 270	29 minutes. of running (5 mph)

Food	Calories	Activity to Burn Calories
Egg Mc Muffin	300	32 minutes. of running (5 mph)
Pizza (1 Slice)	320	39 minutes. of swimming (slow to moderate laps
Whopper With Cheese	770	94 minutes. of swimming moderate laps
Large French Fries	540	77 minutes. of biking (10-11.9 mph)

**Note:** Calorie content of foods are based on official website information at the time of publication. Minutes of exercise are averages based on a 155-pound person. The greater the weight of the person the more calories burned per minute





#### Calorie Count - Jamaican Fruits

Food	Amount	Calories
Ripe Banana	1 medium	105
Custard Apple	1	46
Guava	1 medium (100g)	48
Guinep	1 bunch (12 med)	63
June (Jew) Plum	1 medium	49

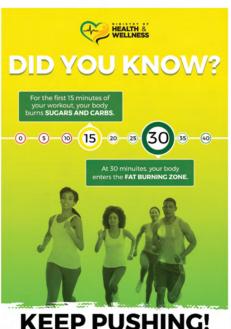
Food	Amount	Calories
Black & Common Mango	1 small (80g)	53
No. 11 Mango	1 average	80
East Indian Mango	1 average	142
Julie Mango	1 average	118

Food	Amount	Calories
Naseberry	1 medium	52
Orange	1 medium	49
Otaheite Apple	1 medium (150g)	42
Pineapple	1 slice (87g)	45
Hog Plum	12	67

Food	Amount	Calories
Pomegranate	1 medium	104
Sugarcane	5½ joints (125g)	85
Sweet Sop	1 medium (150g)	106
Tangerine	1 large	46
Watermelon	1 slice (1 cup)	46

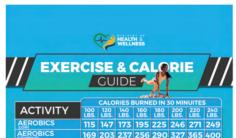
# INFORMATION, EDUCATIONAL AND COMMUNICATION MATERIALS











		CALO	RIES E	BURNE	D IN	SO MIN	UITES	5
ACTIVITY	100 LBS.	120 LBS.	140 LBS.	160 LBS.	180 LBS.	200 LBS.	220 LBS.	240 LBS.
AEROBICS	115	147	173	195	225	246	271	249
AEROBICS	169	203	237	256	290	327	365	400
BICYCLING IMODERATE - 13MFHG	180	216	252	288	324	360	396	432
RUNNING	180	216	252	288	324	360	396	432
RUNNING	225	270	315	360	405	450	495	540
RUNNING	285	342	395	450	503	559	614	668
STATIONARY CYCLING (MODERATE)	158	189	221	252	284	315	347	378
STATIONARY CYCLING	236	284	331	378	425	473	520	567
SWIMMING	180	213	247	283	318	354	387	417
SWIMMING (VICOROUS FREESTYLE)	218	263	305	349	393	446	480	528
	180		252	288	324	360	396	
	135	162	189	216	243	270	297	324
WALKING S.OW - ZMENG	61	74	89	101	114	127	140	153
WALKING	91	108	129	143	160	180	196	213
WALKING IVICOROUS - 4MPHI	118	140	161	186	210	235	257	278
WEIGHT TRAINING	180	216	252	288	324	360	396	432
WEIGHT TRAINING	125	150	175	201	225	250	276	300
YOGA	86	105	121	139	156	174	192	209



Estimated amount of expanded calorie based on a sample of body weight of 155 lbs.

HEALTH & WELLNESS









#### **COMMIT TO BE FIT!**



60 MINUTES (CHILDREN) AND 30 MINUTES (ADULT) OF PHYSICAL ACTIVITY EACH DAY ALONG WITH HEALTHY EATING CAN LOWER YOUR RISK OF NON-COMMUNICABLE DISEASES (NCDs) SUCH AS DIABETES, HYPERTENSION AND CERTAIN CANCERS.













### DID YOU KNOW?

For the first 15 minutes of your workout, your body burns **SUGARS AND CARBS.** 



(5)

10

<del>1</del>5

20-

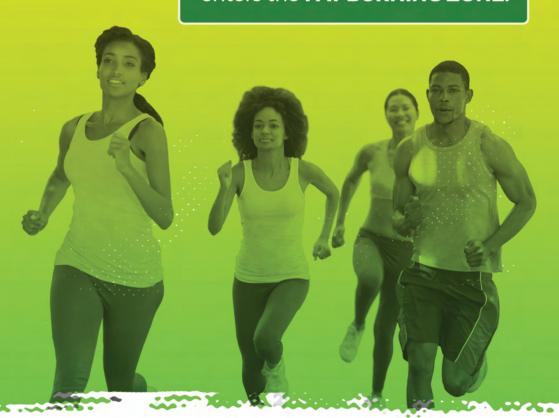
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(35)

40

At 30 minuites, your body enters the **FAT BURNING ZONE**.



**KEEP PUSHING!** 







#### **EXERCISE TIPS**



60 MINUTES (CHILDREN) AND 30 MINUTES (ADULT) OF PHYSICAL ACTIVITY EACH DAY ALONG WITH HEALTHY EATING CAN LOWER YOUR RISK OF NON-COMMUNICABLE DISEASES (NCDs) SUCH AS DIABETES, HYPERTENSION AND CERTAIN CANCERS.

Visit your doctor/local health centre or call **876-633-8172** 







## EXERCISE & CALORIE GUIDE

		CALO	DIESE				HUTES	
A CTIV /ITV/		CALORIES BURNED IN 30 MINUITES						
ACTIVITY	100 LBS.	120 LBS.	140 LBS.	160 LBS.	180 LBS.	200 LBS.	220 LBS.	240 LBS.
AEROBICS (LOW)	115	147	173	195	225	246	271	249
AEROBICS (VIGOROUS)	169	203	237	256	290	<b>327</b>	365	400
BICYCLING (MODERATE - 13MPH)	180	216	252	288	324	360	396	432
RUNNING (12 MIN. MILE)	180	216	252	288	324	360	396	432
RUNNING (10 MIN. MILE)	225	270	315	360	405	450	495	540
RUNNING (8 MIN. MILE)	285	342	395	450	503	<b>559</b>	614	668
STATIONARY CYCLING (MODERATE)	158	189	221	252	284	315	347	378
STATIONARY CYCLING (VIGOROUS)	236	284	331	<b>378</b>	425	473	<b>520</b>	567
SWIMMING (LOW FREESTYLE)	180	213	247	283	318	354	387	417
SWIMMING (VIGOROUS FREESTYLE)	218	263	305	349	393	446	480	<b>528</b>
TENNIS (SINGLES)	180	216	252	288	324	360	396	432
TENNIS (DOUBLES)	135	162	189	216	243	270	297	324
WALKING (LOW - 2MPH)	61	74	89	101	114	127	140	153
WALKING (MOD - 3MPH)	91	108	129	143	160	180	196	213
WALKING (VIGOROUS - 4MPH)	118	140	161	186	210	235	257	278
WEIGHT TRAINING (CIRCUIT)	180	216	252	288	324	360	396	432
WEIGHT TRAINING (FREE WEIGHTS)	125	150	175	201	225	250	276	300
YOGA (LOW)	86	105	121	139	156	174	192	209



## Fitness Facts Calories burned per 1 hour

EXERCISE	AMOUNT
Walking	245
Bicycling	420
Jogging	490
Running	560
Circuit Training (minimal rest)	565
Aerobics (step aerobics)	600
Karate/Kickboxing	705

Estimated amount of expanded calorie based on a sample of body weight of 155 lbs.





#### MUSCLE<sub>vs</sub> FAT

WHICH DO YOU CHOOSE?





#### 1 POUND OF MUSCLE

- O BURNS MORE CALORIES PER DAY
- TAKES UP

  LESS SPACE

#### 1 POUND of FAT

- A PERSON WITH A HIGHER BODY
  FAT PERCENTAGE
  WILL APPEAR LARGER
- TAKES UP MORE SPACE



EARN MUSCLE
WITH CONSISTENT
PHYSICAL ACTIVITY
AND EXERCISE

GAIN BODY FAT BY EATING TOO MANY CALORIES AND NOT GETTING ENOUGH PHYSICAL ACTIVITY



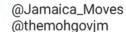
60 MINUTES (CHILDREN) AND 30 MINUTES (ADULT) OF PHYSICAL ACTIVITY EACH DAY ALONG WITH HEALTHY EATING CAN LOWER YOUR RISK OF NON-COMMUNICABLE DISEASES (NCDs) SUCH AS DIABETES, HYPERTENSION AND CERTAIN CANCERS.

Visit your doctor/local health centre or call **876-633-8172** 











#### Video Sites for Further Information on Nutrition & Fitness

1. Physical Activity Printable and Videos

https://www.moh.gov.jm/

2. Nutrition Information

https://bit.ly/2Yk0GUw

3. KFC piece meal and amount of calorie

https://binged.it/2rj536e

4. Burger King Calories - Fast Food Nutrition Facts

https://bit.ly/2YiZXTD

5. Physical Activity is for Everyone

https://bit.ly/2Lo8Juq

6. How to Calculate Your Body Mass Index

https://bit.ly/2PdaE65

7. Calculate Your Calories Burned

https://bit.ly/36eEdvd

8. Tips for Teaching Kids Physical Activity

https://bit.ly/2DJ7zFl

9. Preparing for Physical Activity

http://highered.mcgrawhill.com

10. Physical Activity Printable and Videos

https://www.moh.gov.jm/



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Prepared by the
Health Promotion & Protection Branch
For more information Contact:
Ministry of Health & Wellness
RKA Building
10-16 Grenada Way, Kingston 5.
Telephone:876-633-7400

www.moh.gov.jm @themohwgovjm





