## ADULT PRE-EXERCISE SCREENING SYSTEM (APSS)



This screening tool is part of the <u>Adult Pre-Exercise Screening System (APSS)</u> that also includes guidelines (<u>see User Guide</u>) on how to use the information collected and to address the aims of each stage. No warranty of safety should result from its use. The screening system in no way guarantees against injury or death. No responsibility or liability whatsoever can be accepted by Exercise & Sport Science Australia, Fitness Australia, Sports Medicine Australia or Exercise is Medicine for any loss, damage, or injury that may arise from any person acting on any statement or information contained in this system.

Date of Birth:	Male:	Female:	Other:		
STAGE 1 (COMPULSORY)					
AIM: To identify individuals with knowr adverse event due to exercise. A exercise session, resulting in ill h	n adverse event refer	s to an unexpe	cted event that occ		
This stage may be self-administed the figures on page 2. Should you for clarification.		about the scre		ontact your exerc	ise professional
Has your medical practitioner ever told you suffered a stroke?	that you have a hear			YES	NO
Do you ever experience unexplained pains or discomfort in your chest at rest or during physical activity/exercise?					
3. Do you ever feel faint, dizzy or lose balance during physical activity/exercise?					
4. Have you had an asthma attack requiring immediate medical attention at any time over the last 12 months?					
5. If you have diabetes (type 1 or 2) have you had trouble controlling your blood sugar (glucose) in the last 3 months?					
6. Do you have any other conditions that ma	ay require special co	nsideration for	you to exercise?	E	
IF YOU ANSWERED 'YES' to any of the 6 questions, please seek guidance from an appropriate allied health professional or medical practitioner prior to undertaking exercise.					
IF YOU ANSWERED 'NO' to all of the 6 questions, please proceed to question 7 and calculate your typical weighted physical activity/ exercise per week.					
7. Describe your current physical activity/exercise levels in a typical week by stating the frequency and duration at the different intensities. For intensity guidelines consult figure 2.			Weighted physical activity/exercise per week		
Intensity Light	Moderate Vigo	orous/High	Total minutes = (minutes of light + moderate) +		
Frequency (number of sessions per week)			(2	x minutes of vigo	rous/high)
<b>Duration</b> (total minutes per week)			TOTAL =	minutes per	week
<ul> <li>If your total is less than 150 minutes per week then light to moderate intensity exercise is recommended. Increase your volume and intensity slowly.</li> </ul>					
• If your total is more than or equal to 150 minutes per week then continue with your current physical activity/exercise intensity levels.					
• It is advised that you discuss any progression (volume, intensity, duration, modality) with an exercise professional to optimise your results.					
I believe that to the best of my knowledge, all of the information I have supplied within this screening tool is correct.					
Client signature: Date:					



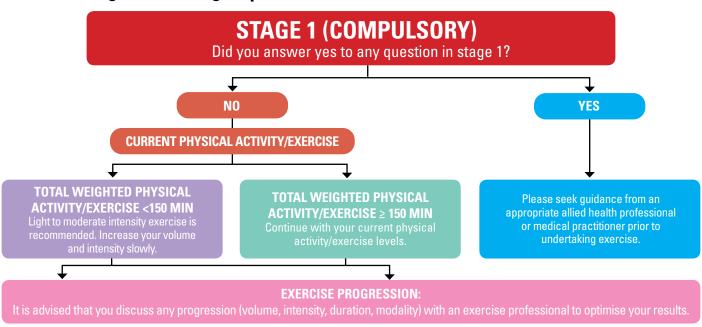




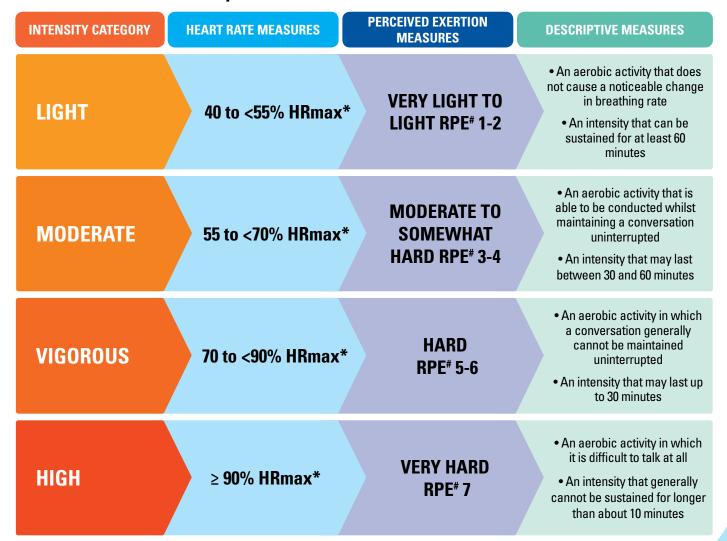


Full Name:

## FIGURE 1: Stage 1 Screening Steps



## FIGURE 2: Exercise Intensity Guidelines



<sup>\*</sup> HRmax = estimated heart rate maximum. Calculated by subtracting age in years from 220 (e.g. for a 50 year old person = 220 - 50 = 170 beats per minute).

Modified from Norton K, L. Norton & D. Sadgrove. (2010). Position statement on physical activity and exercise intensity terminology. J Sci Med Sport 13, 496-502.







<sup># =</sup> Borg's Rating of Perceived Exertion (RPE) scale, category scale 0-10.

## **STAGE 2 (RECOMMENDED)**



AIM:

This stage is to be completed with an exercise professional to determine appropriate exercise prescription based on established risk factors.

CLIENT DETAILS	GUIDELINES FOR ASSESSING RISK
8. Demographics Age:	Risk of an adverse event increases with age, particularly males $\geq$ 45 yr and females $\geq$ 55 yr.
Male Female Other	
9. Family history of heart disease (e.g. stroke, heart attack)?  Relationship (e.g. father) Age at heart disease event	A family history of heart disease refers to an event that occurs in relatives including parents, grandparents, uncles and/or aunts before the age of 55 years.
10. Do you smoke cigarettes on a daily or weekly basis or have you quit smoking in the last 6 months?  Yes No  If currently smoking, how many per day or week?	Smoking, even on a weekly basis, substantially increases risk for premature death and disability. The negative effects are still present up to at least 6 months post quitting.
11. Body composition	Any of the below increases the risk of chronic diseases:
Weight (kg) Height (cm)	BMI ≥ 30 kg/m <sup>2</sup>
Body Mass Index (kg/m²)  Waist circumference (cm)	Waist > 94 cm male or > 80 cm female
12. Have you been told that you have high blood pressure?	Either of the below increases the risk of heart disease:
Yes No If known, systolic/diastolic (mmHg)	Systolic blood pressure ≥ 140 mmHg  Diastolic blood pressure ≥ 90 mmHg
	Diastolic blood pressure 2 30 milling
Are you taking any medication for this condition?	
Yes No	
If yes, provide details	
13. Have you been told that you have high cholesterol/blood lipids?	Any of the below increases the risk of heart disease:
Yes No	Total cholesterol ≥ 5.2 mmol/L
If known:	HDL < 1.0 mmol/L
Total cholesterol (mmol/L) HDL (mmol/L)	LDL ≥ 3.4 mmol/L
LDL (mmol/L) Triglycerides (mmol/L)	Triglycerides ≥ 1.7 mmol/L
Are you taking any medication for this condition?	
Yes No	
If yes, provide details	





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CLIENT DETAILS	GUIDELINES FOR ASSESSING RISK
14. Have you been told that you have high blood sugar (glucose)?	Fasting blood sugar (glucose) ≥ 5.5 mmol/L increases the risk of diabetes.
Yes No	
If known:	
Fasting blood glucose (mmol/L)	
Are you taking any medication for this condition?	
Yes No	
If yes, provide details	
15. Are you currently taking prescribed medication(s) for any condition(s)? These are additional to those	Taking medication indicates a medically diagnosed problem. Judgment is required when taking medication information into account for determining
already provided.	appropriate exercise prescription because it is common for clients to list
Yes No	'medications' that include contraceptive pills, vitamin supplements and other non-pharmaceutical tablets. Exercise professionals are not expected to have
If yes, what are the medical conditions?	an exhaustive understanding of medications. Therefore, it may be important to use common language to describe what medical conditions the drugs are
	prescribed for.
16. Have you spent time in hospital (including day	There are positive relationships between illness rates and death versus the
admission) for any condition/illness/injury during the last 12 months?	number and length of hospital admissions in the previous 12 months. This includes admissions for heart disease, lung disease (e.g., Chronic Obstructive
Yes No	Pulmonary Disease (COPD) and asthma), dementia, hip fractures, infectious episodes and inflammatory bowel disease. Admissions are also correlated to
If yes, provide details	'poor health' status and negative health behaviours such as smoking, alcohol consumption and poor diet patterns.
	consumption and poor dist patterns.
17. Are you pregnant or have you given birth within the	During pregnancy and after recent childbirth are times to be more cautious
last 12 months?	with exercise. Appropriate exercise prescription results in improved health to mother and baby. However, joints gradually loosen to prepare for birth
Yes No	and may lead to an increased risk of injury especially in the pelvic joints.  Activities involving jumping, frequent changes of direction and excessive
If yes, provide details	stretching should be avoided, as should jerky ballistic movements.
	Guidelines/fact sheets can be found here: 1) <a href="https://www.exerciseismedicine.com.au">www.fitness.org.au/Pre-and-Post-Natal-Exercise-Guidelines</a>
<ol><li>Do you have any diagnosed muscle, bone, tendon, ligament or joint problems that you have been told</li></ol>	Almost everyone has experienced some level of soreness following unaccustomed exercise or activity but this is not really what this question is
could be made worse by participating in exercise?	designed to identify. Soreness due to unaccustomed activity is not the same as pain in the joint, muscle or bone. Pain is more extreme and may represent
Yes No	an injury, serious inflammatory episode or infection. If it is an acute injury then it is possible that further medical guidance may be required.
If yes, provide details	aron icio possible aractararer medical galuance may be required.

Important Information: This screening tool is part of the Adult Pre-Exercise Screening System ('APSS') and should be read with the APSS guidelines (see User Guide) on how to use the information collected and to address the aims of each stage. This does not constitute medical advice. This form, the guidelines and the APSS (together 'the material') is not intended for use to diagnose, treat, cure or prevent any medical conditions, is not intended to be professional advice and is not a substitute for independent health professional advice. Exercise & Sports Science Australia, Fitness Australia, Sports Medicine Australia and Exercise is Medicine (together 'the organisations') do not accept liability for any claims, howsoever described, for loss, damage and/or injury in connection with the use of any reliance on the information therein. While care has been taken to ensure the information contained in the material is accurate at the date of publication, the organisations do not warrant its accuracy. No warranties (including but not limited to warranties as to safety) and no guarantees against injury or death are given by the organisations in connection with the use or reliance on the material. If you intend to take any action or inaction based on this form, the guidelines and/or the APSS, it is recommended that you obtain your own professional advice based on your specific circumstances.





