

# ADULT PRE-EXERCISE SCREENING SYSTEM (APSS)



This screening tool is part of the Adult Pre-Exercise Screening System (APSS) that also includes guidelines (see User Guide) 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.

Full Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Male:  Female:  Other:

## STAGE 1 (COMPULSORY)



**AIM:** To identify individuals with known disease, and/or signs or symptoms of disease, who may be at a higher risk of an adverse event due to exercise. An adverse event refers to an unexpected event that occurs as a consequence of an exercise session, resulting in ill health, physical harm or death to an individual.

This stage may be self-administered and self-evaluated by the client. Please complete the questions below and refer to the figures on page 2. Should you have any questions about the screening form please contact your exercise professional for clarification.

	<i>Please tick your response</i>	
	YES	NO
1. Has your medical practitioner ever told you that you have a heart condition or have you ever suffered a stroke?		
2. 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 may require special consideration for you to exercise?		

**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.

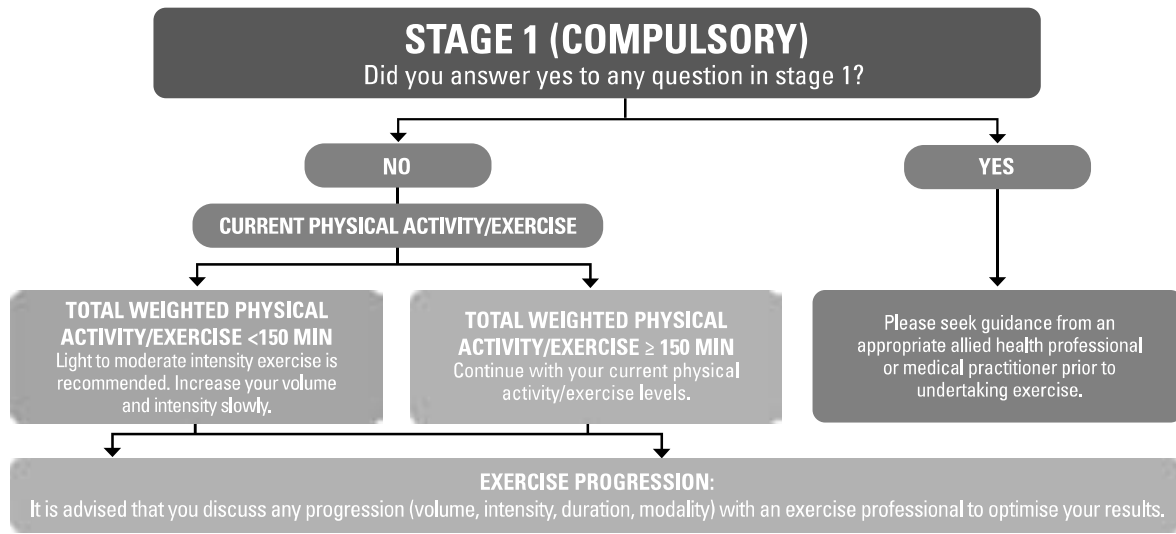
**IF YOU ANSWERED 'NO'** to all of the 6 questions, please proceed to question 7 and calculate your typical weighted physical activity/exercise per week.

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.				<b>Weighted physical activity/exercise per week</b>  Total minutes = (minutes of light + moderate) + (2 x minutes of vigorous/high)  <b>TOTAL = _____ minutes per week</b>
<b>Intensity</b>	<b>Light</b>	<b>Moderate</b>	<b>Vigorous/High</b>	
<b>Frequency</b> (number of sessions per week)	_____	_____	_____	
<b>Duration</b> (total minutes per week)	_____	_____	_____	
<ul style="list-style-type: none"> <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> <li>• If your total is more than or equal to 150 minutes per week then continue with your current physical activity/exercise intensity levels.</li> <li>• It is advised that you discuss any progression (volume, intensity, duration, modality) with an exercise professional to optimise your results.</li> </ul>				

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: \_\_\_\_\_

**FIGURE 1: Stage 1 Screening Steps**



**FIGURE 2: Exercise Intensity Guidelines**

INTENSITY CATEGORY	HEART RATE MEASURES	PERCEIVED EXERTION MEASURES	DESCRIPTIVE MEASURES
<b>LIGHT</b>	40 to <55% HRmax*	<b>VERY LIGHT TO LIGHT RPE# 1-2</b>	<ul style="list-style-type: none"> <li>An aerobic activity that does not cause a noticeable change in breathing rate</li> <li>An intensity that can be sustained for at least 60 minutes</li> </ul>
<b>MODERATE</b>	55 to <70% HRmax*	<b>MODERATE TO SOMEWHAT HARD RPE# 3-4</b>	<ul style="list-style-type: none"> <li>An aerobic activity that is able to be conducted whilst maintaining a conversation uninterrupted</li> <li>An intensity that may last between 30 and 60 minutes</li> </ul>
<b>VIGOROUS</b>	70 to <90% HRmax*	<b>HARD RPE# 5-6</b>	<ul style="list-style-type: none"> <li>An aerobic activity in which a conversation generally cannot be maintained uninterrupted</li> <li>An intensity that may last up to 30 minutes</li> </ul>
<b>HIGH</b>	≥ 90% HRmax*	<b>VERY HARD RPE# 7</b>	<ul style="list-style-type: none"> <li>An aerobic activity in which it is difficult to talk at all</li> <li>An intensity that generally cannot be sustained for longer than about 10 minutes</li> </ul>

\* 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).

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

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.