

Professional development requirements for delivery of Lift for Life®

Exercise Professionals can deliver the Lift for Life® program beyond the initial two-year approval period if they are to meet the following three requirements. This must be completed and submitted each two-year period.



1. Complete one of the following workshops which focus on evidence based research and dealing with chronic conditions
 - Lungs in Action
 - Beat It: Physical Activity and Lifestyle Program
 - Mental Health First Aid Standard Course
 - Falls & Balance CEC approved programs
 - Other validated evidence based chronic disease programs approved by Fitness Australia - for list of approved CEC programs visit www.fitness.org.au/courses. For confirmation of whether the other evidence based programs are appropriate please contact the Training Coordinator.
2. Complete Safety Guidelines for working with people with Type 2 Diabetes quiz pages 2-5.
3. Maintain your current registration within your professional industry body i.e. Personal Trainers with Fitness Australia; Exercise Physiologists with Exercise Sports Science Australia; Physiotherapists with Australian Physiotherapy Association

On completion of the tasks please email, fax, or post (details below) a copy of your certificate of completion and a copy of your current registration with your relevant professional body to the Training Coordinator.

Submit to: Lift for Life® Training Coordinator
Fitness Australia
Level 3, 80 Dorcas St
South Melbourne VIC 3205
or email: liftforlife@fitness.org.au



Successful completion of these tasks will enable allocation one CEC for Fitness Australia Registered Exercise Professionals



THE HEALTH & FITNESS INDUSTRY ASSOCIATION

To ensure you are up to date with Type 2 Diabetes, exercise and the associated safety guidelines, please read the following articles' and complete the multiple choice questions:

- [General Practice Management of Type 2 Diabetes 2016–2018](#), Diabetes Australia & RACGP.
- Dunstan, D. W., Daly, R. M., Owen, N., Jolley, D., de Courten, M., Shaw, J., & Zimmet, P. (2002). [High-Intensity Resistance Training Improves Glycemic Control in Older Patients With Type 2 Diabetes](#). *Diabetes Care*, 25(10), 1729–1736.
- Dunstan, D. W., Daly, R. M., Owen, N., Jolley, D., Vulikh, E., Shaw, J., & Zimmet, P. (2005). [Home-based resistance training is not sufficient to maintain improved glycemic control following supervised training in older individuals with type 2 diabetes](#). *Diabetes Care*, 28(1), 3–9.
- Colberg, S. R., Sigal, R. J., Fernhall, B., Regensteiner, J. G., Blissmer, B. J., Rubin, R. R. Braun, B. (2010). [Exercise and Type 2 Diabetes](#) The American College of Sports Medicine and the American Diabetes Association: joint position statement executive summary. *Diabetes Care*, 33(12), 2692–2696.
- Hordern, M., Dunstan, D. Prins, J., Baker, M., Singh, MAF., Coombes., J. (2012) [Exercise prescription for patients with type 2 diabetes and pre-diabetes](#) : A position statement from Exercise Sports Science Australia. *Journal of Science and Medicine in Sport* 15 25–31
- [Diabetes and exercise fact sheet](#), Sports Medicine Australia (2010)
- [Exercise is Medicine Australia Factsheet](#), Exercise is Medicine Australia (2014)

Quiz

Please circle or highlight your correct answer for each of the following questions. Trainers are required to achieve 100% (20/20) for this task. In the event participants do not achieve 100% after 3rd attempt an alternative option for assessment will be considered by the Training Coordinator.

1. Type 2 Diabetes?
 - (a) was previously known as Non-Insulin Dependent Diabetes
 - (b) was previously known as Maturity Onset Diabetes
 - (c) can occur in children and adolescents
 - (d) all of the above
2. Target levels for diabetes management are to have?
 - (a) HbA1c \leq 7%
 - (b) Cholesterol $<$ 4.0 mmol/L
 - (c) Blood Pressure \leq 130/80 mm Hg
 - (d) all of the above
3. There are a large amount of undiagnosed people with type 2 diabetes within the community and the AUSDRISK tool helps identify the risk factors, what is an identified risk factor for diabetes?
 - (a) you have been told you have high blood sugar levels
 - (b) Indigenous people aged 35 and over
 - (c) on medication for high BP
 - (d) history of type 2 diabetes in the family
 - (e) all of the above

4. The role of the Diabetes Educator is to consolidate patient's knowledge and skills regarding:
[Watch you tube clip](#) to get a better understanding of Diabetes Educators
(a) eating healthier
(b) self-management
(c) medication usage
(d) all of the above
5. True or false: Blood glucose (BG) monitoring is recommended for those commencing medication (agents) that can cause hypoglycaemia?
(a) True, people with diabetes should be initially taking their BG levels 3-4 times a day
(b) True, once a day is adequate
(c) True, but only if feeling light headed
(d) False, the medication will keep everything in the normal range
6. The definition "Results from β -cell destruction due to an autoimmune process usually leading to insulin deficiency" refers to which type of Diabetes?
(a) Type 1 Diabetes
(b) Type 2 Diabetes
(c) Gestational Diabetes
(d) both (a) & (b)
7. The importance of appropriate foot care and comfortable, well-fitting footwear during physical activity needs to be stressed amongst people with diabetes, especially if there is?
(a) abnormal foot structure
(b) neuropathy
(c) vascular disease
(d) previous foot ulcer
(e) all of the above
8. Poor glycaemic control leads to accelerated _____ resulting in elevated morbidity and mortality.
(a) cardiovascular disease
(b) renal disease
(c) ophthalmic diseases
(d) all of the above
9. Which level of blood glucose level would raise most concern before exercising?
(a) 3.0 mmol/L
(b) 5.3 mmol/L
(c) 6.8 mmol/L
(d) 8.8 mmol/L
10. If one of your clients with diabetes was cold, clammy and feels a little faint, how would you react?
(a) Call 000
(b) They are suffering from hyperglycaemia, rest and drink water
(c) Stop exercise and encourage them to have source of high GI food (oral glucose or sucrose) and test BGL.
(d) Work them harder to get the blood pumping around the body

11. True or false: Moderate-High intensity resistance training has been found to improve glycaemic control?
- True, all people with diabetes should be engaged in moderate-high intensity training
 - True, however trainers need to be considerate of relative and absolute contraindications
 - False, no research has been identified to prove this
 - False, all diabetics should be doing low intensity high reps only as they are at an increased risk of CVD
12. Insulin pumps are becoming more popular within the type 1 diabetes community. Which of the following is correct about insulin pumps?
- Insulin pumps infuse continuous (basal) subcutaneous insulin and extra boluses as needed
 - Pumps offer the flexibility of having different basal insulin doses at different times of the day
 - Subsidised insulin pump consumables are available to Registrants of the National Diabetes Services Scheme who meet additional criteria.
 - All of the above
13. Structured interventions combining physical activity and modest weight loss have been shown to lower risk of type 2 diabetes by up to ____ in high-risk populations.
- 30%
 - 44%
 - 58%
 - 80%
14. Fill in the gaps, within American College of Sports Medicine (ACSM) evidence and American Diabetes Association (ADA) clinical practice recommendation statement, it encourages in addition to aerobic training, persons with type 2 diabetes should undertake _____ to _____ training at least ___-___ days/week.
- moderate, vigorous, resistance, 2,3
 - low, moderate, resistance, 2,3
 - moderate, vigorous, circuit, 4,5
 - low, moderate, circuit, 2,3
15. Fill in the gaps, within ACSM evidence and the ADA clinical practice recommendation statement, it mentions physical activity can result in acute improvements in systemic insulin action lasting from ___ to ___ hours.
- 2 to 24
 - 0 to 48
 - 2 to 72
 - 0 to 100
16. Cited in the Position Statement from ESSA (Exercise prescription for patients with type 2 diabetes and pre-diabetes) was David Dunstan et al (2002) journal article *Effects of a short-term circuit weight training program on glycaemic control in NIDDM*. Fill in the gaps according to his research.
- _____ intensity exercise is _____ in poorly controlled hypertensive IGT and T2DM patients (and those with proliferative retinopathy or unstable cardiovascular disease), but it is well tolerated even in older T2DM patients who have controlled blood pressure and other chronic conditions.
- Low, emphasised
 - Low, contraindicated
 - High, emphasised
 - Vigorous, contraindicated

17. There's evidence promoting physical activity for those with type 2 diabetes as it
- (a) increase glucose uptake
 - (b) reduces comorbidities
 - (c) reduces LDL cholesterol with no change in HDL cholesterol or triglycerides
 - (d) improves self-efficacy
 - (e) all of the above
18. The position statement from Exercise and Sports Science Australia recommends which of the following activities for individuals with or at risk of Type 2 Diabetes
- (a) 5 sessions of a minimum of 30 mins
 - (b) 150 mins of moderate to high intensity throughout week
 - (c) A minimum of 210 moderate intensity or 125 min of vigorous intensity exercise each week using a combination of both aerobic and resistance training.
 - (d) 210 low intensity or 125 min of moderate to high intensity exercise each week using a combination of both aerobic and resistance training.
19. What are the key messages to managing Type 2 Diabetes
- (a) Healthy eating
 - (b) Cease smoking
 - (c) Minimise alcohol intake
 - (d) Aerobic exercises
 - (e) Appropriate resistance training
 - (f) Routine GP check-ups
 - (g) Adequate hydration levels
 - (h) All of the above
20. A regular Lift for Life participant who has T2D tells you that they have an appointment to attend, so they will need to leave the class "a bit early" which means they will miss the cool down component. How should you react?
- (a) Tell them to miss the session and go for a run at 80% MHR instead
 - (b) Inform the client that 'cool down' is an important safety component of everyone's session and that you will need to modify their program accordingly to miss a few of the final strength training components and have an active recovery
 - (c) Tell the client that is no problem just leave quietly
 - (d) Inform them of multiple sessions that they should attend on the next day