

YMCA Level 3 Technical Specialist in Supporting Participation in Physical Activity: Long-Term Health Conditions (Certificate) (QN1)

Operational start date: 01/08/2026

Qualification Specification





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Introduction

YMCA Awards is part of Central YMCA – the world's first YMCA – a national charity that has been helping people make positive changes in their lives since 1844.

We are experts in education, health and well-being with over 20 years of experience developing UK regulated and globally recognised qualifications.

We work closely with industry experts, employers and training providers to make sure that our products and services deliver life-changing opportunities. With over half a million qualifications awarded, 300,000 people have advanced their careers with YMCA Awards.

Aims: Technical specialist qualifications

Our technical specialist qualifications are designed to:

- Build on the outcomes within an occupational standard and enable an individual to specialise in an occupation having achieved the specialist qualification in addition to their attainment of outcomes set out in the standard.
- Provide learners with knowledge, skills and behaviours relevant to developing additional specialist competence in an occupation
- Provide employers with reliable evidence of learners' attainment against occupational outcomes which form the minimum requirements for practice in a specialised role within the occupational area
- Differentiate learner achievement to support employment, progression and employer selection decisions (where identified as required)
- Form part of an engaging course of learning and act as motivation for learners to specialise within the occupational area.

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By completing this qualification, learners will:

- Meet Skills England-approved outcomes for, for clients with long term health conditions
- Partially meet the requirements as outlined in the CIMSPA PROFESSIONAL STANDARD POPULATION SPECIALISM: Working with People with Long Term Conditions

 Meet industry requirements to plan, adapt and deliver exercise and physical activity sessions and programmes (within scope of practice) to meet the needs of adults with long-term health conditions.

Long-term health conditions that are covered by this qualification are outlined within Appendix 3: Conditions within scope of practice for this qualification



Progression opportunities

This qualification is a population specialism. This means it is designed to enable personal trainers to expand their scope of practice to work with adults with long-term health conditions. This qualification can also lead to further training at other levels to specialise and further increase scope of practice. For example:

- Occupational specialism (to work in additional job roles):
 - YMCA Level 2 Diploma in Exercise and Fitness: Gym Instructor (610/2784/4)
 - YMCA Level 2 Award in Exercise and Fitness: Group Exercise Instructor (610/2792/3)
- Population specialisms (to work with a broader range of clients):
 - YMCA Level 2 Award in Engaging Inactive People in Physical Activity to Create Long-Term Behaviour Change (603/7345/3)
 - YMCA Level 2 Award in Engaging Children Aged 0-5 in Sport and Physical Activity (603/7218/7)
 - YMCA Level 2 Award in Engaging Children and Young People in Sport and Physical Activity (603/7216/3)
 - YMCA Level 3 Award in Supporting Participation in Physical Activity: Perinatal (610/0829/1)
 - YMCA Level 3 Award in Supporting Participation in Physical Activity: Disability and Impairments (610/1559/1)
 - YMCA Level 3 Award in Supporting Participation in Physical Activity: Older Adults (610/1668/8)
- Environment specialisms (to work in more settings):
 - YMCA Level 2 Award in Developing Sustainable Physical Activity Programmes Within Community Settings (603/7343/X)
- Lifestyle specialisms (to support work with a broader range of needs):
 - YMCA Level 2 Award in Supporting Wellness (610/4039/3)
 - YMCA Level 3 Certificate in Supporting Wellness through Lifestyle Behaviour Change (610/4040/X)
- **Technical specialisms** (to work with specific equipment or perform additional roles within the workplace):
 - YMCA Level 2 Award in Mental Health Awareness and Understanding Approaches to Support Individuals (603/7146/8)
 - YMCA Level 3 Award in Emergency First Aid at Work (603/1902/1)
 - YMCA Level 3 Award in First Aid at Work (603/1903/3)
 - YMCA Level 4 Certificate in Advanced Nutrition for Health, Weight Management and Sports Performance (610/2694/3)

Stakeholder engagement

This qualification is mapped against professional standards and meets set criteria and outcomes outlined by the organisations listed below:

- Chartered Institute for the Management of Sport and Physical Activity (CIMSPA)
- Skills England

Qualification	Standard(s)
YMCA Level 3 Technical Specialist in Supporting Participation in Physical Activity: Long-Term Health Conditions (Certificate) (QN1)	Partially maps to v1.0 of the CIMSPA Working with People with Long Term Conditions, population specialism professional standard.
	Fully mapped to meet Skills England- approved outcomes for clients with long term health conditions: approved by Skills England.

Entry requirements, and prerequisites and availability

This qualification has been designed for learners who:

- are 16+ years old
- hold an occupation entry qualification or apprenticeship endorsed against the CIMSPA Personal Trainer professional standard
- are able to communicate effectively with individuals and groups.

To have developed teaching skills and confidence, it is recommended that learners have at least six months' experience planning and delivering exercise sessions before taking this qualification.

Availability

Learners can take this qualification in:

Location	Regulated by
England	Not yet submitted
Wales	Not yet submitted
Northern Ireland	Not yet submitted
Other UK regions and outside of the UK	Not yet submitted

Assessment requirement

Client suitability and learner responsibilities for practical assessments.

"Learners must have access to real clients who reflect the client profiles identified in the qualification's practical assessment tasks. These clients must present with appropriate criteria as detailed in the relevant assessment brief."

To complete this qualification, learners will require a suitable client for bespoke client work project, assessment task 3.1. Learners are required to complete a consultation and assessment with a real client who has:

- two chronic health conditions OR
- one chronic health condition and inactive (not meeting current activity guidelines) or at higher risk of developing chronic health conditions and other lifestyle factors.

Sourcing clients

The responsibility for sourcing suitable clients rests with the learner; however, the centre may provide support where appropriate.

Safeguarding

Should a learner identify their chosen client as vulnerable, they must ensure they are working within their scope of practice and in accordance with safeguarding best practice.



Reasonable adjustments and special consideration

In making these qualifications available, YMCA Awards has made every attempt to make sure that there are no unnecessary barriers to achievement. You can find full details of our reasonable adjustment and special consideration policy on our website.



ymcaawards.co.uk/centres/policies-and-procedures

Grading and structure

This qualification is graded Pass or Refer.

A Pass grade demonstrates that a learner has been assessed as fully competent against all assessment criteria within the qualification.

A Refer indicates that a learner has been assessed as not yet competent against one or more of the assessment criteria of the unit and/or qualification. This is a failing grade, and learners will require reassessment to achieve the qualification.

To achieve a pass, learners must complete the following **two** mandatory units:

UN	Unit title	Level	GLH	TQT
H/651/1818	The role of physical activity and exercise in the prevention and management of long-term health conditions	3	120	155
J/651/1819	Programming, adapting and delivering exercise for adults with long-term health conditions	3	100	160

Guided learning hours (GLH): 220

Total qualification time (TQT): 315

Find out more about GLH and TQT on our website:



ymcaawards.co.uk/qualifications/glh-and-tqt

Assessment overview

This qualification is designed to be assessed in line with the learner journey, with learners demonstrating the knowledge, skill and behaviours outlined in one stage before proceeding to the next.

The table below provides details of the tasks within each assessment stage.

Assessment stage and task	Details	Unit(s) assessed
1.1 Long-term health conditions worksheet and professional discussion	There are two parts to this assessment: • Long-term health conditions worksheet. • Professional discussion. 1. Long-term health conditions worksheet. The assessor will allocate a set of seven long-term health conditions. One from each of the following seven categories: • Hypertension OR hypercholesterolemia OR hyperlipidaemia • Coronary heart disease (post phase IV rehabilitation) OR peripheral vascular disease OR hypothyroidism OR hyperthyroidism • Asthma OR chronic obstructive pulmonary disease (COPD) • Obesity OR type 1 diabetes OR type 2 diabetes • Non-specific low back pain OR osteoporosis • Depression OR stress OR general anxiety disorder • Rheumatoid arthritis OR osteoarthritis OR joint replacement Learners are required to complete the long-term health conditions worksheets for the seven conditions using class notes and independent research from evidence-based, reputable sources. The completed worksheet template must be submitted to the assessor to mark in preparation for the professional discussion. The assessor will provide feedback within two weeks.	The role of physical activity and exercise in the prevention and management of long-term health conditions (H/651/1818)

Assessment stage and task	Details	Unit(s) assessed
	2. Professional discussion	
	Learners will undertake a 10 minute (±10%) professional discussion with their assessor. The aim of the professional discussion is to authenticate the learner's work and confirm their knowledge and understanding relating to the health conditions they were issued.	
	The professional discussion will consist of one broad open-ended question and up to three additional open-ended questions covering the topics listed below:	
	The role of physical activity and exercise in the prevention and management of long-term health conditions	
	 the wider determinants of health, their impact on health inequalities and on an individual's health 	
	 how specific long-term health conditions (including medical management) may affect participation in exercise and quality of life (giving reference to the short and long term effects of exercise on the body systems) 	
	 the benefits, motivators and ways to promote physical activity to overcome barriers to exercise for individuals with long term health conditions 	
	Learners may refer to their long-term health conditions worksheet template during the professional discussion. No other notes are permitted.	
	Further information on assessment is available in the Learner Assessment Record	

Assessment stage and task	Details	Unit(s) assessed
2.1 Applied case study worksheets, professional discussion and observed practical task	There are three parts to this assessment: 1. Applied case study questions. 2. Professional discussion. 3. Plan, deliver and evaluate. Learners are provided with the following scenario: "You have just started to advertise that you are currently training to deliver exercise for clients with long-term health conditions. A range of individuals (see case study briefs) have contacted you asking for information." The assessor will select and allocate one set of three case studies (either Set 1, Set 2, Set 3 or Set 4,) for the learner to review. 1. Applied case study questions Learners are required to complete the applied case study question template, to: • Summarise the information that may affect each case study's overall health status, risk stratification (low, medium, high) and readiness to participate in exercise or reasons for exclusion. • Explain any specific health conditions, contraindications or needs that may exceed scope of practice and the action they would take. Once completed, the applied case study question template must be submitted to the assessor to mark in preparation for the professional discussion. The assessor will provide feedback within two weeks. 2. Professional discussion Learners will undertake a 12 minute (±10%) professional discussion with their	The role of physical activity and exercise in the prevention and management of long-term health conditions (H/651/1818) And Programming, adapting and delivering exercise for adults with long-term health conditions (J/651/1819)

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Assessment stage and task	Details	Unit(s) assessed
	work and confirm their knowledge and understanding relating to the case studies they were issued.	
	The professional discussion will consist of one broad open-ended question and up to four additional open-ended questions covering the topics listed below:	
	Unit: The role of physical activity and exercise in the prevention and management of long-term health conditions (H/651/1818)	
	 LO3: Understand the risks and contraindications to exercise for adults with long-term health conditions. 	
	 considerations for managing risks for individuals with comorbidities and multiple morbidities 	
	 different risk stratification models used to assess risk of participation 	
	 LO4: Understand guidelines for best practice when delivering physical activity and exercise for adults with long-term health conditions. 	
	 the role of exercise referral schemes in supporting adults with long- term health conditions 	
	Learners may refer to their applied case study template during the professional discussion. No other notes are permitted.	
	3. Plan, deliver and evaluate	
	On completion of the professional discussion, the assessor will allocate ONE of the case studies and the learner will be required to plan, deliver and evaluate a session to meet their needs. The session plan should be 45 – 60-minute duration with a minimum of 30 minutes observed.	
	Learners must complete the following records:	
	a session overview including PAR-Q+ and informed consent	

Assessment stage and task	Details	Unit(s) assessed
	a risk assessment	
	session plan:	
	o a suitable warm-up, including:	
	mobility (joint actions)	
	 pulse raising activities/exercises 	
	range of motion stretching	
	o main component, including	
	cardiovascular training	
	muscular fitness training	
	 a suitable cooldown and flexibility component 	
	 programme of changes over a three-month period. 	
	All exercises selected are the learners' choice and should provide a balanced whole body training approach covering all components of fitness.	
	The session must be delivered live and in real time and be observed by a qualified assessor.	
	The use of pre-recorded video assessment is not permitted.	
	The practical delivery (and planning and evaluation) may be observed as a full session or continuous and observed in stages by the assessor (so the various class components – warm-up, main component and cooldown and stretching) can be completed at different times and over time. Peers can be used for this assessment.	

Assessment stage and task	Details	Unit(s) assessed
	On completion of delivery, the assessor will ask learners to complete the self- evaluation record. They will be given 30 minutes in total to complete this task (10 minutes for each session component if delivery is continuous).	
	If each component of session is delivered in stages, you will be given 10 minutes to complete this after each component.	
	Further information on assessment is available in the Learner Assessment Record.	



Assessment stage and task	Details	Unit(s) assessed
 3.1 Bespoke client work project 1. Consultation and assessment 2. Planning and programming 3. Implementation and evaluation 4. Showcase presentation 5. Professional discussion Please note: This assessment must be conducted on a 'real' client (not peers). 	There are five parts to this assessment: 1. Consultation and assessment (with audio or video evidence) 2. Planning and programming 3. Implementation and evaluation (with video evidence) 4. Showcase presentation (with video evidence) 5. Professional discussion 1. Consultation and assessment Learners are required to complete a consultation and assessment with a real client who has: • two chronic health conditions OR • one chronic health condition and inactive (not meeting current activity guidelines) or at higher risk of developing chronic health conditions and other lifestyle factors. The client needs must be within scope of practice. The consultation and assessment should last between 45 and 60 minutes. This must be recorded (video or audio) and submitted as part of the assessment. The client must give their permission and state that they agree to the consultation being recorded. Learners should capture notes during the consultation/assessment in the supplied consultation and assessment record and then write up in full sentences immediately afterwards, where required.	Programming, adapting and delivering exercise for adults with long-term health conditions (J/651/1819)

Assessment stage and task	Details	Unit(s) assessed
	2. Planning and programming	
	Learners are required to use the information gathered during the consultation to plan a full session plan for the first session with the client and an outline of anticipated changes to the programme over a three-month period.	
	Learners must complete the following records:	
	a session overview, including PAR-Q+ and informed consent	
	a risk assessment	
	session plan:	
	o a suitable warm-up, including:	
	mobility (joint actions)	
	 pulse raising activities/exercises 	
	 range of motion stretching 	
	o main component, including	
	cardiovascular training	
	muscular fitness training	
	 a suitable cooldown and flexibility component 	
	 programme of changes over a three-month period. 	
	All exercises selected are the learners' choice and should provide a balanced whole body training approach covering all components of fitness.	
	The consultation and programming records must be submitted to the assessor to check in preparation for implementing the programme. The assessor will provide feedback within two weeks.	

Assessment stage and task	Details	Unit(s) assessed
	3. Programme implementation and evaluation	
	Learners are required to implement the programme and deliver five sessions with their client or participants. These sessions should be recorded using the programme implementation log.	
	Learners are required to outline:	
	session dates	
	client feedback	
	 reviews of client progress – what changes and improvements. 	
	One session must be recorded and submitted as part of the assessment. The client must give their permission and state that they agree to the session being recorded.	
	4. Showcase presentation	
	The showcase presentation can only take place once the learner has implemented their programme for the required five sessions.	
	On completion of the programme implementation, learners are required to record a presentation to showcase their work.	
	The recorded presentation must be 10 minutes (±10%) and include:	
	1. Review and evaluation of the learning and assessment journey, including:	
	the consultation and assessment process and details of the client:	
	 background (health needs and activity levels) 	
	o goals/aims/motivational factors/barriers	

Assessment stage and task	Details	Unit(s) assessed
	 programme planning and implementation and how they supported the client towards the achievement of their goals: 	
	 description of the programme (content, frequency, and how its effectiveness was monitored) 	
	o reviews, feedback, any modifications made to the programme	
	strategies used to influence both short- and long-term behaviour change	
	 evaluation (What worked well? What challenges they faced? What they would do differently with future clients?) 	
	 examples of how the learner will or did build strong relationships with a range of health professionals (both managers and practitioners) who are working in local primary, secondary or tertiary care services, and the wider workforce including social care, third sector professionals and carers to ensure a smooth customer journey. 	
	 examples of how the learner will or used their health knowledge to communicate in a credible manner with health, social care and third sector professionals at different levels working within the health and social care system. 	
	2. Plans for future work with clients with long-term health conditions.	
	The showcase presentation recording must be submitted to the assessor to mark in preparation for the professional discussion. The assessor will provide feedback within two weeks.	
	5. Professional discussion	
	Learners will undertake a 15 minute (±10%) professional discussion with their assessor. The aim of the professional discussion is to authenticate the learner's	

Assessment stage and task	Details	Unit(s) assessed
	work and confirm their knowledge and understanding relating to programming, adapting and delivering exercise to clients with long-term health conditions.	
	The professional discussion will consist of one broad open-ended question and up to five additional open-ended questions covering the topics listed below:	
	 how to screen and assess adults with long-term health conditions prior to participation in physical activity and exercise 	
	how to plan and adapt exercise for adults with long-term health conditions	
	 how to deliver and review exercise for adults with long term health conditions. 	
	The bespoke client work project will be centre assessed by an assessor using the checklist provided by YMCA Awards.	
	Further information on assessment is available in the Learner Assessment Record.	

Using this document

The following pages provide the unit content for this qualification. Each unit includes learning outcomes, assessment criteria and relevant content for delivery. These are set out below.

Learning outcome ('The learner will')		
Assessment criteria	Relevant content	
('The learner can')	(Additional delivery guidance)	
What a learner is expected to know, understand or be able to do following their	Suggestions on depth and breadth of content to cover.	
learning.	Learners may not be assessed against all the relevant content identified.	

Qualification content



The role of physical activity and exercise in the prevention and management of long-term health conditions (H/651/1818)

Unit aim

To provide the knowledge of the role of physical activity in the prevention and management of long-term health conditions.

Learners will know:

- the signs, symptoms and progression of specific health conditions
- the causes and prevalence of specific health conditions
- how health conditions are treated and managed
- · contraindications and risks for exercise
- the benefits of referral to exercise and stages of the referral process.

Please note: An information resource: Long-term health conditions tables are available to support the delivery and assessment of LO1.

- The resource includes:
- Appendix A: Signs, symptoms, pathophysiology and causes
- Appendix B: Medical interventions, medication side-effects and lifestyle interventions
- Appendix C: Exercise guidelines and information sources

Content

1. Understand long-term health conditions and their effect on health, wellbeing and participation in physical activity and exercise

- **1.1 Describe** the signs, symptoms and disease progression for specified long-term health conditions
- See information resource: Long-term health conditions tables: Appendix A: Signs, symptoms, pathophysiology and causes
- Signs and symptoms and pathophysiology/disease progression of the following health conditions:
- hypertension
- hypercholesterolaemia
- hyperlipidaemia
- o hypothyroidism
- hyperthyroidism

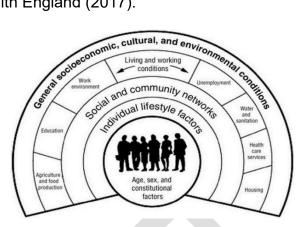
- o coronary heart disease (post-phase IV rehabilitation)
- peripheral vascular disease
- diabetes type 1 and 2
- obesity
- o chronic obstructive pulmonary disease (COPD)
- o asthma
- osteoarthritis
- rheumatoid arthritis
- o osteopenia
- o osteoporosis
- o low back pain
- joint replacement
- o depression
- o stress
- general anxiety disorder.

NB: See appendices 2 and 3 for guidance on scope and inclusion.

- With consideration to changes to the body systems appropriate to specific conditions (progressive and over time):
- skeletal i.e. bone density, joint mobility, range of motion (ROM), alignment and posture
- neuromuscular i.e. posture, pelvic floor, power, strength, endurance, sarcopenia, heat production, immune function, fine motor control, coordination, balance and falls risk, reaction time (including ability to respond to instructions), movement speed, sight and hearing, short term memory
- cardiovascular i.e. reduced anaerobic threshold, reduced exercise tolerance and ability to sustain activity
- respiratory i.e. breathlessness
- cognitive short-term memory
- psychosocial i.e. low mood, low energy, loss of interest in life.
- Consider for all conditions:
- o age of onset
- management (see treatment 1.3)
- individual attitude and response to diagnosis, including cognitive processing time (locus of control)

	 the importance of mental health and wellbeing for people at high(er) risk of developing, or living with, single LTCs or comorbidities and the factors that can influence an individual's wellbeing.
1.2 Outline the risk factors and causes for specific long-term health conditions	 Genetics/heredity factors. Effects of ageing. The importance of mental health and wellbeing for people at high(er) risk of developing, or living with, single LTCs or comorbidities and the factors that can influence an individual's wellbeing. Other lifestyle related risk factors: physical inactivity – identified as one of the top ten causes of diseases and disabilities in England and is responsible for one in six deaths in the UK (Sport England, 2022) smoking alcohol misuse unhealthy eating. Modifiable and non-modifiable risk factors.
1.3 Describe the wider determinants of health,	Wider health determinants – economic, social and environmental, and inequalities as outlined by the World
their impact on health inequalities and on an individual's health	 Health Organisation (WHO). Wider or social determinants of health are the various non-medical factors that affect health outcomes, such as social, economic, environmental, political, commercial and cultural factors.
	Some examples of wider 'determinants' would include:
	 the number of fast-food outlets on the high street, which has the potential to influence levels of obesity and diabetes
	o the availability or work opportunities in a specific location
	 the accessibility or availability of services to support health in a location
	o poverty levels.
	 Health inequalities are unfair and avoidable differences in health across the population and between different groups within society. These include how long people are likely to live, the health conditions they may experience and the care that is available to them (NHS England).

Determinants of Health (Dahlgren and Whitehead model) from: Public Health England (2017).



Can impact:

- longevity of life, life expectancy
- health care accessible and available
- prevalence of some health conditions (e.g. some populations are at greater risk of some conditions).

1.4 Describe how specific long-term health conditions are medically treated and managed

- See AC1.1 for list of specific conditions
- See information resource: Long-term health conditions tables: Appendix B: Medical interventions, medication side-effects and lifestyle interventions
- Use of National Institute for Health and Care Excellence (NICE) guidance for specified conditions, including activity recommendations where specified.
- Medical management surgery, medication. With consideration to:
- desired effects of medication or other treatment (e.g. surgery)
- side effects of medication or other treatment (e.g. surgery)
- effects on the exercise response (e.g. heart rate, blood pressure, balance, exercise tolerance, functional capability, energy levels, etc.)
- credible sources to gather information about medication (British National Formulary (BNF) and monthly index of medical specialities (MIMS)).
- Effects of some treatments and medication on quality of life, including functional and mental capacity.

1.5 Explain lifestyle changes recommended to assist the prevention and management of

 See information resource: Long-term health conditions tables: Appendix B: Medical interventions, medication side-effects and lifestyle interventions

specific long-term health conditions.

- General/lifestyle recommendations for specific conditions (use NICE, British heart foundation (BHF) and other credible and reliable sources):
 - Eat well guidance for healthy adults.
 - Current chief medical officer's (CMO) guidance for physical activity.
 - Wellbeing and wellness practices, including mindfulness, breathing exercises, stress management and cognitive behavioural therapy (CBT).
 - Smoking cessation.

1.6 Identify the prevalence of specific long-term health conditions

- Percentage of population with specific long-term health conditions (use of current statistics).
- With consideration to:
 - o prevalence of conditions for different groups:
 - sex
 - age
 - ethnicity
 - disabilities physical, visual, hearing.
 - Effects of wider health determinants social, economic and environmental factors (non-medical).
 - The number of years lived without a chronic health condition has reduced:
 - age 62 years for men
 - age 60 years for women.
 - o More people have more than one health condition:
 - 1/3 of all adults in their late 40s has two or more chronic health conditions (Hall in the Guardian. 2021).
 - The ageing population in the UK is increasing.
 - Multiple health conditions increase the risk of frailty in later life, which can lead to loss of independence, reduced quality of life and increased risk of hospital admissions and death.

Reference sources listed in appendix:

- Centre for ageing better
- o NHS
- Hall, in the Guardian, 2021.

1.7 Explain how specific long-term health conditions may affect participation in exercise

- With consideration to:
 - specific health conditions
 - o associated risk factors see 3.2
 - effect of ageing, injury and disease on functional capacity and health outcomes
 - individual attitude and their locus of control
 - the physiology and psychology of pain and how this may impact upon the functional and mental capacity of an individual.

Effects on:

- suitability of specific types of activity and exercise
- session planning and design unit 2
- session delivery units 2 and 3
- risk stratification see screening and assessment (unit 2) and impact on:
 - scope of practice
 - level of instruction and supervision
 - need for specialist support and supervision for those with more declining health, increased age and/or significant loss of capacity (higher risk)
 - higher level of support may include physiotherapy teams/specialist teams, postural stability instructor (PSI).
- Appropriate exercise settings clinical, leisure facilities (studio, gym), community, home-based etc.
- 1.8 Explain the impact of specific long-term health conditions, their medical management and associated risk factors on quality of life
- Functional movement and ability to perform activities of daily living.
- Mental health.
- · Longevity of life.
- · Quality of years lived.

2. Understand the role of physical activity and exercise in the prevention and management of long-term health conditions

- **2.1 Identify** guidelines and recommendations for physical activity and exercise for specific
- Use of ACSM guidelines and recommendations.
- Use of NICE guidance and recommendations.
- Use of health charity specific guidance and recommendations.

long-term health conditions

See Appendix 1: Information sources.

NB: It is recommended that as part of delivery, centres include examples of practical sessions delivered for (and ideally with) individuals with health conditions.

• See information resource: Long-term health conditions tables:

Appendix C: Exercise guidelines and information sources

2.2 Explain the benefits of physical activity and exercise to support successful ageing and assist with the prevention and management of specific long-term health conditions

- Effects of ageing, physical inactivity and long-term health conditions on anatomy, physiology and biomechanics.
- The protective effects of physical activity and exercise for both the prevention and management of specific long-term health conditions:
 - o difference between physical activity and exercise
 - reference to the current Chief Medical Officer's (CMO) guidance
 - o successful and active ageing and quality of life.
- How exercise can support successful ageing and benefit management of specified long-term health conditions (NICE guidance).
- With consideration to:
 - the physiological, biomechanical, anatomical and psychological response to physical activity:
 - short-term and immediate effects increase to heart rate and breathing rate, muscle temperature, blood pressure, etc.
 - long-term effects stronger heart, increased stroke volume, regulate blood pressure, increase bone density, etc.
 - effects associated with different types of exercise and components of fitness.
 - Longer-term benefits:
 - maintaining independence
 - improving fitness and maintaining ability to perform activities of daily living and continue leisure pursuits
 - supporting the management of existing health conditions and minimising effect on functioning
 - maintaining psychological well-being
 - maintaining and building social connections.

2.3 Explain the barriers to physical activity and exercise for adults with long-term health conditions and how to overcome these

- Awareness of segmentation tools to support understanding of barriers, motivators and activity preferences.
- Identification of populations most at risk of physical inactivity and other health inequalities
- Real and perceived barriers:
 - psychological barriers lack of confidence, self-efficacy, self-esteem, mental health (depression, anxiety), fear of making health conditions or injuries worse, fear of being too old or not fit enough etc.
 - physical/environmental barriers accessibility and availability of appropriate activities, cost, location, method of booking sessions (e.g. use of apps etc.) transport links, lack of transport, suitability of exercise sessions, suitability of instructors
 - barriers/concerns linked with health:
 - medical diagnosis and conditions, e.g. osteoarthritis etc.
 - medications and their effects
 - comorbidities and multimorbidities
 - functional, strength and balance falls risk and fear of falling, mobility issues, vision and hearing
 - cognitive impairments memory, responding to instructions, etc.
- How to support individuals and overcome barriers to promote active ageing.
- The importance of mental health and wellbeing for people with high(er) risk of developing or living with long-term conditions and the factors that can influence an individual's wellbeing.

2.4 Explain motivators for physical activity and exercise for adults with long-term health conditions

- Consideration of behaviour change models.
- Awareness of segmentation tools to support understanding of barriers, motivators and activity preferences.
- Specific motivators:
 - recommendation of GP
 - support of family and friends
 - personal motivators self-determination, gender, life stage
 - positive mental health as a motivator
 - o maintaining independence and functioning
 - reduce risk of chronic health conditions

	 management of chronic health conditions
	 management of mental health and wellbeing
	○ improve quality of life
	 socialisation and structure for day – getting out of house.
2.5 Outline appropriate methods to promote exercise, physical activity and wellbeing	 The importance of providing a full spectrum of opportunity for clients to engage in physical activity that includes activities of daily living, active travel, active recreation through to structured exercise, dance and sport'.
initiatives to support adults with long-term health conditions	 With consideration to emerging messages regarding 'reframing the exercise message' and the role of Non- exercise activity thermogenesis (NEAT) – all daily activities that are not exercise or sport or sleeping and eating.
	 The principles of self-management which enable participants to maintain physical activity and other lifestyle changes beyond the intervention.
	 The role of evidence-based technologies that support the uptake and maintenance of physical activity.
	 Other health interventions and other wider community assets that can support the participant.
	 Knowing how, when and where to signpost, e.g. health trainers, Improving Access to Psychological Therapies (IAPT), smoking cessation, physiotherapy, pharmacy.
	 Support services – GP, charities, exercise referral services, leisure services.
	 Local physical activity opportunities to signpost individuals onward.
	 Range of promotional and marketing strategies.
	 Link to motivators – (see above – 2.4) – wellbeing and health.
	Appropriate images – positive, inclusive.
	Helpful language and messages.
	 Consider targeted and specific marketing for gender, ethnicity, socio-economic status, health status, identity and how individuals identify.
	 How to communicate the impact of exercise on the human body in simple terms to a participant.
	Peer mentoring.

• Ongoing and emerging research and initiatives to support

o one-to-one, group and peer behaviour change support

lifestyle and behaviour change interventions:

- face to face versus remote communication, e.g. digital, print and telephone
- combined interventions to meet the needs of individuals with long-term health conditions, including those with health inequalities
- the use of customer relationship management (CRM) systems to monitor change in behaviour and to track and tailor follow up motivational support based on individual need and circumstance.

3. Understand the risks and contraindications to exercise for adults with long-term health conditions

3.1 Identify the contraindications to exercise

- Reference to the current American College of Sports Medicine guidelines for specific conditions (PAR-Q+ and Algorithm).
- Use of NICE guidance (condition specific recommendations and guidelines).
- Use of information to guide recommendations on participation/deferral/referral and referral sources (e.g. GP).
- Absolute contraindications for exercise (General) use ACSM guidelines for exercise testing and prescription, such as:
 - any uncontrolled or unstable condition, e.g. not managed by medication
 - o resting systolic blood pressure at (or above) 180mmHg/DBP 100mmHg (BHFNC. 2010)
 - uncontrolled resting tachycardia at or above 120 bpm
 - experiences a negative change or increase in pain during exertion
 - dizziness or excessive breathlessness during exertion
 - significant postural hypotension.
- Absolute contraindications specific to different conditions.

Reference sources (listed at end):

- American College of Sports Medicine (ACSM) Guidelines for Exercise Testing and Prescription
- BHFNC toolkit
- NICE guidelines (condition specific)
- ACSM Exercise Management for Persons with Chronic Diseases and Disabilities.

3.2 Explain the risks associated with participation in exercise for specific long-term health conditions and ways to manage these risks

- Risks (accidents and emergencies) associated with specific long-term health conditions:
 - hypoglycaemia
 - strains and sprains
 - exercise induced asthma (EIA)
 - breathlessness
 - joint pain and discomfort
 - loss of balance, falls risk and fractures
 - o cardiac incidents angina, heart attack
 - dizziness and fainting
 - o cramps
 - o hyperthermia
 - dehydration
 - o myocardial infarction.
- Condition negatively impacted/worsening.
- · Reduction in self-esteem.
- Effects of common functional impairments that increase risk of participation:
 - risk of falling or fear of falling
 - hearing, speech and sight impairments
 - memory or cognitive decline
 - o proprioception
 - soft tissue injury
 - o joint pain
 - fatigue
 - o grip
 - o range of motion
 - motivation
 - muscle strength
 - reaction time
 - ability to transition from floor to stand
 - ability to perform certain exercises
 - ability to achieve specific workloads
 - energy levels and effort required to complete specific tasks.

	The importance of contingency planning to manage any identified risks, which may include deferral or referral of exercise and signposting to specialist services (e.g. falls prevention service).	
3.3 Outline the side effects of common pharmaceutical treatments and their implications for exercise tolerance and functional capability	 Effects of specific medication(s) may include alterations to: alertness posture balance falls risk proprioceptive feedback exercise intensity and heart rate and blood pressure response urinary urgency and frequency postural hypotension masked pain levels coordination and reaction time. 	
3.4 Explain how multiple health conditions and medications may affect risk stratification and readiness to participate	 Effects on risk stratification and scope of practice When multiple health conditions are present, this may increase risk stratification. Individuals with higher or high-risk stratification are outside of scope of practice. Multiple medications (4+) increases risk of falls in older adults. 	
3.5 Outline considerations for managing risks for individuals with comorbidities and multiple morbidities, including reasons for exclusion	 See LO1 for risks. See AC4.2 for exclusion criteria. Define comorbidities and multiple morbidities. Awareness of absolute contraindications. Signposting to other professionals if needs exceed scope. Requirement for higher level qualifications, depending on r stratification. With consideration to own ability, competence and confidento: manage any potential medical emergency/risks associated with conditions consider all specific conditions in exercise planning adapt exercise to meet individual needs 	

apply principles of training to modify and adapt exercise (if within scope of practice). Information sources: Richmond Group of Charities (2018) Multimorbidity Report listed in the references. 3.6 Evaluate different PAR-Q+ and e-PARmed-x +. risk stratification models ACSM algorithm. used to assess risk of Irwin and Morgan. participation. Health and Safety Executive – risk assessment tool (not condition specific). • With consideration to other specific questionnaires, such as: falls risk and balance (FRAT and CONFbal) back pain questionnaires (Oswestry and Roland-Morris etc.) Mental Health (PHQ-9 etc.). NB: centres may evaluate a broader range of additional questionnaires. Those listed are shared as examples.

4. Understand guidelines for best practice when delivering physical activity and exercise for adults with long-term health conditions

4.1 Identify a range of evidence-based information sources to support working with adults with long-term health conditions

- Evidence-based information sources:
 - Chief Medical Officer (CMO) guidance most current 2019
 - American College of Sports Medicine (ACSM)
 - research studies on specific long-term health conditions.
- Other information sources:
 - Public Health England healthy eating and stop smoking brief, change4life
 - Association for Nutrition (AfN) competence framework healthy eating and nutrition. (see 4.2)
- GP and other healthcare services (e.g. physiotherapists):
 - local and national charities specific health conditions,
 e.g. British Heart Foundation, Diabetes UK, Asthma UK
 - the benefits of working with other services to support participation in physical activity.
- Uses:
 - to support health outcomes

- to assist activity planning
- to inform own understanding.

See Appendix 1: Information sources.

4.2 Explain own working role and responsibilities and the importance of working within scope of practice and the boundaries of personal and occupational competence

- Know how to liaise with health care and social care professionals where there are considerable concerns for a participant's safety and refer back where necessary.
- Refer to roles and responsibilities outlined in the exercise referral toolkit (2010).
- Importance or working in scope:
- client safety and wellbeing
- maintain professional practice and role boundaries
- · adhere to insurance guidance
- adhere to safeguarding legislation
- With consideration to industry code of conduct, ethical issues and other associated codes of conduct (e.g. Association for Nutrition – AfN) relevant to the role in terms of both relationships with clinicians, nutritionists/dieticians, referring professionals and participants.
 - Fundamentals of human nutrition.
 - Improving health and wellbeing.
 - Nutrition monitoring and data collection techniques.
 - With consideration to scope of practice as outlined by AFN.
- Inclusions for this qualification:
- conditions listed at 1.1
- stable and controlled only and not in progressed stages or with complications.
- Exclusions: requirement for additional qualifications:
- conditions <u>not</u> listed at 1.1
- any condition in more progressed stage
- adults with multiple health conditions, higher risk stratification and declining capacity
- frailer and dependent older adults falls and fracture risk significant loss of capacity (Postural stability instructor -PSI)
- cardiovascular events stroke, heart attack, angina (British Association of Cardiovascular Prevention and Rehabilitation – BACPR)
- respiratory conditions severe and very severe

- mental health conditions more severe and enduring (eating disorders, substance misuse, bipolar, schizophrenia, etc.)
- cancer
- spinal cord injury
- connective tissue disease
- neurological conditions (multiple sclerosis, Parkinson's disease, dementia, fibromyalgia, chronic fatigue syndrome).
- If in doubt, lacking confidence regarding skills and knowledge (or the appropriateness of the content and structure of a specific type of session), this may also be reason for exclusion.

Please note:

- Risk stratification for participation in exercise is currently determined by the use of different tools (e.g. ACSM algorithm, PAR-Q+ and Irwin and Morgan).
- The level of risk in an exercise and activity environment will be impacted by several factors, including:
- the risk stratification tool(s) used to assess risk
- lifestyle factors an individual presents with (e.g. inactivity, smoking etc)
- the individual's functional movement
- the side effects of medications taken, and number of medications taken
- the type and intensity of exercise planned
- the exercise environment and factors that affect the environment (e.g. space and temperature)
- the exercise equipment used
- the delivery and instructions skills of the instructor
- the ability of the instructor to adapt, modify and tailor specific exercises.
- A full risk assessment should be undertaken to assess the level of risk.
- It is the role and responsibility of the exercise instructor to make informed decisions prior to making recommendations for participation in exercise.
- Informed decisions need to be based on all the information gathered from participants and this needs to be considered specifically in relation to the type of exercise session and activities being recommended.

See appendix 2: Guidance for participant inclusion criteria and scope of practice.

4.3 Outline the importance of having the correct insurance cover for working with adults with long-term health conditions

- How to check insurance arrangements are sufficient.
- Correct insurance requirements for working with adults with long-term health conditions.
- Examples of when insurance cover may be insufficient (e.g. depending on qualifications held).
- How to inform insurance companies of the specialist qualification and to include cover of this population under existing policy.

4.4 Outline the importance of holding a current and valid first aid and CPR certificate when working with adults with long-term health conditions

- First aid and CPR certification to be completed prior to working with clients with long-term health conditions.
- Know how to respond in the event of accidents and/or emergencies.
- Recognise signs and symptoms of adverse events.
- Provide first aid:
 - prevent deterioration
 - o preserve life
 - o promote recovery.

4.5 Explain the importance of regular continuous professional development (CPD) relevant to working with adults with long-term health conditions

- Maintaining professional competence and membership of organisations.
- Keeping up to date with guidance and recommendations.
- Best practice and working within scope of practice.
- CPD opportunities to support work with this population, including specialist organisations and training providers.
- Types of CPD peer mentoring, clinical service supervision, online.
- CPD related to communication and assertiveness, behaviour change, motivational interviewing, health policy, health conditions, palliative care.
- Strategies for emotional resilience.
- Importance of reflective practice.

4.6 Explain the role of exercise referral schemes in supporting adults with long-term health conditions

- History and overview of schemes including reference to any evidence (where available) to support effectiveness (e.g. evaluation reports available for National Exercise Referral Scheme in Wales).
- Where and who schemes are typically delivered by (variable and depends on home country and location).

- Primarily to support individuals with low to moderate risk health conditions to participate in structured and supported exercise.
- Delivered for specified duration (variable and scheme dependent)
- The processes and protocols where delegated responsibility is integrated in the delivery of services for people at high(er) risk of developing or living with LTCs.
- With consideration to scheme set-up considerations:
 - adhere to medico-legal requirements (as per National Quality Assurance Framework – NQAF, 2001)
 - provide specified inclusion and exclusion criteria
 - specific consultation and assessment protocols for assessing clients
 - schemes are monitored and evaluated
 - schemes are funded, so often reduced costs for established timeframe
 - qualified instructors
 - other personnel managers, coordinators, administration staff
 - o clear roles and responsibilities
 - key national and local care pathways supporting physical activity for individuals with specified health conditions (see credible information sources for various sources for specific conditions).
- Brief overview and awareness raising of related health policy that impacts scheme development:
 - relevant UK wide, national and local physical activity health inequalities
 - health and social care policy for the promotion of physical activity, the prevention of inactivity and sedentary behaviour
 - policy relating to the management of long-term conditions by use of physical activity
 - local health strategies and needs assessments that influence the development of local services, including physical activity and sedentary behaviour
 - the wider determinants of health, their impact on health inequalities and on an individual's health, and the use of health profiles to understand local demographics
 - importance and value of monitoring and evaluating service outcomes, including knowledge of key evaluation documents e.g. Public Health England (PHE) Standard

Evaluation Framework and the Sport England Monitoring and Evaluation Framework

- the various data methodologies e.g. qualitative, quantitative, customer feedback, process evaluation, impact and cost data and the instructor's role in the data collection process.
- the importance of engaging and maintaining strong relationships with key stakeholders including commissioners, senior managers, community providers, service users and their carers and how this informs service development of a local physical activity programme.
- key national and local care pathways that will link to the provision of local physical activity services including:
 - Non-clinical: e.g. integrated lifestyle services, social prescribing, Making Every Contact Count (MECC).
- Clinical: e.g. diabetes prevention, NHS health checks, IAPT and weight management and rehabilitation services including: cardiac, cancer, pulmonary, MSK, neurological, falls

4.7 Explain the stages of the referral process.

- Self-referral pathways:
 - ensuring the needs of target population are taken into account, including safety considerations
 - relevant tools that determine level of risk of an adverse 'event' during exercise, e.g. PARQ+, PreCise tool, ACSM health screening or other relevant condition-specific tools
 - the Health Commitment Statement (an agreement <u>not</u> a risk stratification tool).
- Referral from health services:
 - physiotherapists
 - o GPs
 - practice nurses
 - o dietitians.
- Process outline:
 - individual visits health care professional who clinically assesses and transfers information
 - information is received and checked and individual signposted forwards (or backwards if incomplete records)
 - o initial assessment of individual
 - individual accepted if within scope and meets inclusion criteria.

	How to set-up an agreed self-referral and referral protocol (including inclusion and exclusion criteria) with local professionals and allied services.
4.8 Explain the difference between a	Self-referral – a client gaining access to services by themselves and not involving a clinical referral.
referral, self-referral, a recommendation and	 Referral – the transfer of care for a patient from one clinician or clinic to another by request.
signposting and role of the instructor in relation to these	 Social prescribing – sometimes referred to as community referral, is a means of enabling GPs, nurses and other primary care professionals to refer people to a range of local, non-clinical services.
	 Signposting – a recommendation to another service (not a referral).
	 Informed consent does not need to be gained to signpost as no personal information is shared.
	 Informed consent is required for referrals where information is shared.
	 How to use health knowledge to communicate in a credible manner with health, social care and third sector professionals at different levels working within the health and social care system.
4.9 Explain health, safety and welfare requirements relevant to	 This content is covered in pre-requisite qualifications and must be explained and applied to new working role and context.
own working role,	The importance of health and safety:
including safeguarding.	 everyone has responsibility
	o duty of care
	o negligence and commission
	 safety and wellbeing
	o professionalism.
	Relevant requirements and legislation, relating to role:
	o safeguarding
	 risk assessment
	o managing emergencies and emergency action plans
	o reporting procedures – confidentiality, data protection
	o first aid regulations and procedures o reporting of injuries, diseases and dangerous.
	 reporting of injuries, diseases and dangerous occurrences regulations (RIDDOR).
	Key principles for working with vulnerable adults:
	 what is meant by safeguarding?

the different types of abuse possible signs of abuse responsibilities and limitations. o procedures to follow to protect oneself from accusations of abuse. Organisational procedures and policies: disclosure and barring (DBS) safeguarding adults and adults at risk responsible person for managing safeguarding issues reporting procedures for safeguarding. The statutory agencies responsible for safeguarding: when it may be necessary to contact statutory agencies o how to maintain confidentiality of information relating to possible abuse. 4.10 Identify other Other roles may include: working roles designed sport development officers to support health and exercise referral teams physical activity in the community link workers health champions health coaches health trainers community activators. How to use health knowledge to communicate in a credible manner with health, social care and third sector professionals at different levels working within the health and social care system.

Programming, adapting and delivering exercise for adults with long-term health conditions (J/651/1819)

Unit aim

To provide the knowledge and skills to programme, adapt and deliver exercise sessions and programmes for adults with long-term health conditions, within scope of practice.

Learners will know how to:

- · consult with individuals and conduct appropriate health screening and assessment
- evaluate the potential risks and benefits of participation in exercise
- assess suitability of exercise for participants within scope of practice
- · signpost participants to other professionals, where needed
- design, adapt and deliver safe and effective exercise sessions to meet the needs of individuals with long-term health conditions:
 - provide appropriate adaptations and tailoring to meet specific needs
 - monitor exercise safety and intensity
 - demonstrate effective communication and instructional skills
 - o engage and fully support a range of participants.

Content

1. Understand how to screen and assess adults with long-term health conditions prior to participation in physical activity and exercise

1.1 Explain the importance of appropriate consultation, pre-activity screening and assessment when working with adults with long-term health conditions

- Screening methods and risk stratification models:
 - ACSM model algorithm and current PAR-Q+ with follow-on questions and e-PARmed-X (as required)
 - Irwin and Morgan Model
 - verbal screening
 - other screening tools for specific conditions (where available and as appropriate).
- With consideration to:
 - advantages and disadvantages of different methods/models
 - evidence-base for use (validity and reliability of tools)

• Use for:

- appropriate advice and guidance deferral, signposting and referral
- working within scope of practice and role boundaries, competence, confidence and qualifications
- identifying suitability of sessions and identifying individuals who need specialist support (physiotherapy)
- o determining session content
- o supporting individuals with lifestyle behaviour change.

1.2 Describe

appropriate consultation and communication skills to gather information from participants

- How to conduct a consultation environment, timing, structure, etc.
- The importance of rapport and relationship established between instructor and participant(s) during the consultation on engagement and adherence.
- The importance of a person-centred empathetic approach that takes account of the wider determinants of health and the impact on an individual's ability to change their behaviour.
- The use of motivational interviewing techniques open questions, active listening, reflective statements, summaries.
- Methods of gathering information:
 - written questionnaires (PAR-Q+, e-PARmed-X and other questionnaires)
 - informed consent
 - referral and transfer information (where relevant)
 - interviews and oral questions
 - health assessments blood pressure, heart rate, body mass index (BMI), waist circumference (as appropriate)
 - when to use and when to exclude, e.g. too invasive
 - medical information and medications transferred by GP or other healthcare professional (HCP)
 - observation and use of questions throughout session
 - benefit of functional assessments, such as three-minute walk, sit to stand, timed up and go, single leg balance, functional reach, internal and external rotation, seated hamstring stretch. NB: learners are not expected to conduct these assessments, just to have awareness of their value and uses. This information may be available from health care professionals and would be part of more specialist qualifications (e.g. postural stability instructor)
 - o verbal screening at start of every session:
 - health and wellbeing checks

	 changes to health status or any medications
	 other questionnaires that can be useful to identify needs:
	 EQ-5D – to assess overall wellbeing (see appendix for sources)
	 Specific to conditions (e.g. Oswestry, PHQ-9).
	 Appropriateness of methods with consideration to client's needs:
	o deaf or partial hearing
	 o blind or partial sighted
	o physical disability
	 speakers of other languages
	 neurodiversity (ADHD, dyspraxia, etc.).
	Uses of information:
	 to assist risk stratification
	 to identify reasons for referral/signposting
	 to inform planning, delivery and instruction skills.
1.3 Summarise the	Information:
information that should	 personal information – age, gender, etc.
be obtained when consulting with and pre-	 medical and surgical history and medications
screening adults with	 physical activity history and preferences, current fitness
long-term health	o lifestyle behaviours
conditions prior to physical activity and	 motivation and barriers
exercise	 readiness to make changes and goals
	 health and physical assessments (where appropriate)
	 medications and awareness of their side effects, including effects that may impact exercise response, e.g. blood pressure, balance, energy levels, etc.
1.4 Explain when to signpost or refer	When written consent should be sought from healthcare providers:
participants to other	 providers. positive response to PAR-Q+ and follow-on questions,
healthcare	including completion of e-PARmed-X
professionals prior to participation in exercise sessions	 to gather more information about participants, such as outcomes of any functional or other assessments completed by a health care professional.

- Risk stratification beyond scope of practice and qualifications:
 - level of risk and needs identified exceed professional competence/qualifications and type of session being offered.
- Issues outside of scope such as:
 - o medical
 - nutritional
 - o psychological
 - risk stratification
 - contraindications.
- The importance of participant consent before exchanging information with other professionals.
- Other professionals to include:
 - Scheme manager/coordinator
 - o GP
 - o counsellor
 - dietician
 - smoking cessation
 - o other instructors.
- 1.5 Outline potential goals of adults with long-term health conditions and the importance of regular participation in physical activity and exercise to support these goals
- Specificity and diversity of goals:
 - medical management and physiological
 - general health and fitness and lifestyle
 - psychological and social
 - psychological
 - functional ability.
- The importance of person-centred goal setting.
- Process, behavioural and outcome goals.
- How goals can support motivation.
- The effect of goals on session and programme planning and delivery.
- Reviewing and checking goals and monitoring progress.
- Awareness and overview of when to involve others in goal setting:
 - to maintain scope of practice and role boundaries
 - o issues outside of scope:
 - medical
 - nutritional

	novahala siaal
	 psychological
	risk stratification
	contraindications.
	 other professionals to include:
	– GP
	health trainers
	counsellor
	dietician
	smoking cessation
	other instructors
	 The importance of regular participation in physical activity and exercise to support achievement of goals:
	 physical activity – CMO guidance:
	 activities of daily living and messages:
	sit down less and move more often
	some is good, more is better
	break up sedentary times
	 structured exercise:
	 frequency, intensity, time, type, volume and progressions (FITT-VP)
	 evidence-based recommendations
	 linked home-based exercise programmes.
1.6 Describe how to record and store	 Procedures for collecting, storing and sharing personal and sensitive data that includes medical information.
information	 Records to be maintained with consideration to local and NHS or other referral agency information governance requirements, including information imparted by clinicians and/or the participants.
	With consideration to:
	 principles of confidentiality and data protection
	 General Data Protection Regulations (GDPR)
	 Data Protection Act (2018)
	 the use and value of appropriate electronic data management systems (including local customer relationship management – CRM system, where available):

- to keep service user records up to date and use this to manage behaviour change and tailor follow up motivational support according to individual needs
- to aid data collection, evaluation and support to individual participants

2. Understand how to plan and adapt exercise for adults with long-term health conditions

- 2.1 Describe planning considerations for delivering exercise sessions for adults with long-term health conditions
- Consideration to, and/or use of local clinical governance guidelines when delivering physical activity for people at risk of, or living with, an LTC.
- Participants:
 - o screening and informed consent
 - appropriate clothing and footwear
 - hydration
 - functional limitations and impairments
 - chronic health conditions
 - medications and effects.
- Environment:
 - o type of environment, e.g. studio, gym, home-based, etc.
 - temperature, space, floor surface, room layout.
- Equipment:
 - suitability of different equipment for:
 - specific populations
 - specific types of session
 - maintenance of equipment
 - lifting and handling
 - types of equipment:
 - small portable equipment resistance bands, chairs, hand weights/dumbbells, ankle weights, steps
 - fixed equipment gym-based (CV machines, RT machines).
- **2.2 Describe** how to assess and manage the risks in the exercise environment
- Screening and risk stratification of participants:
 - exercise recommendations and modifications
 - o referral or deferral as needed.
- Effects of chronic health conditions see unit 1.
- Effects of specific medication(s) see unit 1.

 Risk assessment of environment and equipment: layout of environment equipment used and layout including environments not designed for exercise (e.g. individual's home). Checks needed: prior to physical activity o during physical activity - dynamic risk assessment, observation post physical activity. 2.3 Describe how the • All identified effects and risks – see unit 1. effects of long-term • Motor skills – balance, coordination, reaction time to health conditions on the instruction and cues. body systems may have • Pelvic floor – inclusion of specific exercises to target this area. implications for planning and delivering exercise Transitions: between movements from standing to floor and floor to standing and individual's ability and confidence to transition planning and allowing time for transitions clearer instructions to manage transitions use of teaching position to manage transitions. Slower movement speed (including music speed, where appropriate) Intensity variables – repetitions, resistance, range of motion, rate/speed, sets Modifications for functional impairments: joint and mobility cognitive cardiovascular sensory – vision and hearing. 2.4 Explain how to With consideration to changes to the body systems relevant to apply knowledge of specific health conditions (progressive and over time) include: physical activity, ageing skeletal – i.e. bone density, joint mobility, range of motion and disease processes (ROM), alignment and posture

to design and deliver a safe and effective physical activity programme

• neuromuscular – i.e. posture, pelvic floor, power, strength, endurance, sarcopenia, heat production, immune function, fine motor control, coordination, balance and falls risk,

reaction time (including ability to respond to instructions), movement speed, sight and hearing, short term memory • cardiovascular – i.e. reduced anaerobic threshold, reduced exercise tolerance and ability to sustain activity respiratory - i.e. breathlessness cognitive – short-term memory psychosocial – i.e. low mood, low energy, loss of interest in life. **2.5 Describe** a safe Session structure considerations, such as: and effective session warm-up structure and cardiovascular appropriate activities for specific long-term muscular health conditions cooldown and stretch. **Activities/exercises:** Evidence-based guidelines appropriate to condition. All components of fitness: cardiovascular fitness o muscular fitness – functional, for bone density, posture and pelvic floor flexibility motor skills, e.g. balance, coordination, reaction time, speed, etc. relaxation. Activities of daily living (ADL): o move more often and sit down less. Types of session • 1:1 – sessions and programmes group-settings – sessions and programmes. 2.6 Describe the For clients with specific long-term health conditions and according to needs. structure, intensity and exercise selection for a • Warm-up – longer duration, more progressive and gradual safe and effective increase of intensity, more targeted and isolated joint mobility warm-up for specific joints (e.g. where appropriate), lower intensity and impact, transitions and speed manageable. Content appropriate to exercise genre.

2.7 Describe the • For clients with specific long-term health conditions and according to needs. structure, intensity and exercise selection for Cardiovascular – lower impact, less intense, progressive and safe and effective gradual build up and cooldown, interval approaches, during cardiovascular training peak slower pace and less complex and less arm movements (if included) and less complex transitions. • Content appropriate to exercise genre. 2.8 Describe the • For clients with specific long-term health conditions and according to needs. structure, intensity and exercise selection for Muscular – whole body approach, functional focus and related safe and effective to daily activities, fracture site focus (osteoporosis), full range muscular fitness training of motion and of sufficient intensity to be effective, avoidance of isometric exercises. Content appropriate to exercise genre. 2.9 Describe the For clients with specific long-term health conditions and according to needs. structure, intensity and exercise selection for a • Cooldown and stretch – stretch positions appropriate, support safe and effective and balance available (walls, chairs), use of aids to assist cooldown range of motion or comfort (pillows, cushions). Content appropriate to exercise genre. 2.10 Explain the • The role of evidence-based technologies that support the benefits and limitations uptake and maintenance of physical activity. of different methods of • Relevant methods of monitoring an individual or group of monitoring exercise participants both before, during and after exercise: rate of perceived exertion – RPE talk test breathlessness scales heart rates / heart rate monitoring observation questioning blood sugar level checks for individuals with diabetes. 2.11 Identify a range of Modification, adaptation and progression of: modifications, frequency, intensity, time, and type adaptations and o intensity variables (to affect modification) and progressions that may prioritisation of them for increasing/decreasing intensity be applied to ensure the and/or functional movement: exercise session and

range of motion

programme is

accessible and inclusive to adults with long-term health conditions

- repetitions
- resistance
- rate or speed of movement
- impact
- exercise positions and start positions
- weight-bearing
- o balance and level of support
- music speed appropriateness of speed and when not appropriate.
- Adaptations according to specific condition and level of decline (as appropriate):
 - joint impairments shoulder, hip, spine, finger, toes, knees, wrist
 - pain, reduced range of motion (ROM), stiffness, lack of strength, alignment and posture
 - cardiorespiratory reduced tolerance and capacity, lower muscle mass, breathlessness
 - sensory impairment visual, vestibular, hearing, proprioception
 - cognitive/mental mild dementia, low mood, mild depression/anxiety, decline in cognitive ability, short-term memory, decline in ability to follow instructions safely, decline in ability to sequence tasks.

2.12 Analyse the suitability of a range of alternative types of activity to meet the diverse needs and requirements of adults with long-term health conditions

- Types of activity and who they may be suitable or unsuitable for:
 - walking programmes (including the risk assessment of some outdoor environments, e.g. uneven walking surface may increase risk of falls)
 - o chair-based exercise
 - water-based exercise
 - o Tai Chi
 - o yoga
 - Pilates
 - o specialist sessions:
 - exercise referral
 - cardiac rehabilitation sessions
 - pulmonary rehabilitation
 - strength and balance (postural stability instructor).
- When to recommend these alternatives:

- o to maintain scope of practice and competence
- o safety and effectiveness for individuals.
- When to regress physical activities.
- Components of fitness trained or not trained by specific exercise modalities and how to advise participants.

3. Understand how to deliver and review exercise for adults with long-term health conditions

- **3.1 Describe** how to utilise and adapt communication and instructional skills to monitor and improve performance
- Adaptation according to individual needs and health condition.
- The importance of correct technique during physical activity and exercise.
- Instructor skills:
 - accurate own demonstration, including movement speed and posture
 - clarity of instruction and cues to support transitions between exercises:
 - visual cues
 - verbal cues and use of body language
 - use of voice volume, intonation, projection, enunciation
 - step-by- step instructions
 - o timing:
 - planning time for transitions
 - time to get into and out of position
 - set up of start positions
 - time to set up equipment, e.g. use of resistance bands
 - o observation and use of effective teaching position
 - o presentation including clothing, footwear.
- The importance of rapport and relationship established between instructor and participants on engagement and adherence.

3.2 Explain the importance of correct instructions and demonstration of safe and effective exercise technique

To ensure safe and effective participation.

3.3 Describe how to tailor delivery method to meet the needs of a range of participants

- Adaptation of verbal and instruction methods.
- With consideration to learning styles and specific needs, such as:
 - deaf or partial hearing
 - blind or partial sighted
 - physical disability
 - speakers of other languages
 - neurodiversity (ADHD, dyspraxia, etc.)

3.4 Describe effective motivational strategies and techniques to support participants to adhere to physical activity and support lifestyle behaviour(s) change

- Consideration to behaviour change models:
 - transtheoretical model (stages and processes)
 - self-efficacy
 - COM-B (capability, opportunity, motivation, behaviour)
 - self-determination theory
 - health belief model
 - biopsychosocial model.
- Effective motivational strategies and techniques that can be used to support an individual:
 - o techniques:
 - motivational interviewing (OARs and change/sustain talk)
 - solution focused
 - cognitive behavioural therapy (CBT)
 - strategies:
 - awareness of self-talk
 - awareness of antecedents and behaviour triggers
 - goal setting and use of rewards
 - social support systems
 - education and learning
 - role models
 - peer support.

3.5 Outline how to apply relevant behaviour change theory and techniques to design a programme to meet the needs of individuals	 See 3.4. At different stages of intervention: consultation delivery review points.
3.6 Explain the importance of regular reviews of the participant's progress	 To confirm continued suitability of sessions and programme – safety and effectiveness. Awareness of need for progression and regression. To inform health professionals/commissioners. To evidence statistics and outcomes to gain access to bursaries/grants.
3.7 Identify opportunities to collect feedback from participants 3.8 Explain how to use the information gathered from participant feedback to promote motivation, adherence and outcome success	 Before, during and after sessions. Information needed – extent to which session met needs, individuals found it difficult or easy, etc. Methods – verbal, written, reassessment. Review and adapt exercise programmes and behavioural strategies based on individual's biopsychosocial needs and with consideration to: safety motivation levels medical information
3.9 Explain how to reflect on own practice to inform future sessions	 personal motivations and preferences. For example, comparing reports of subjective experiences with outcomes of any functional assessment outcomes/reviews to show progress and developments. Kolb Model. Importance of reflective practice. Reflection on action and in action.
	Use of reflective practice to identify CPD needs.

4. Be able to collect and use information to plan and adapt exercise for adults with long-term health conditions

4.1 Use appropriate methods to collect and record information from participants

- Use of:
 - clinical information shared by a health care referral:
 - how to interpret this
 - when and how to refer back to referring practitioners
 - written (PAR-Q+/e-PARmed-X) and verbal screening
 - relevant assessment(s), and risk stratification:
 - signposting, referral, or deferral as appropriate
 - adaptation of session or content
 - progression and regression of session content.
- Different ways to collect information and consult with individuals in different ways:
 - how to develop rapport via face to face, telephone, remote, online approaches, etc.
 - o use a person-centred approach
 - integrate the use of behaviour change models and motivational techniques
 - the pros and cons of different methodologies, the evidence for these and impact on practice in selection and use and understand how to use within a personcentred behaviour change approach.
- Readiness of individual to change lifestyle behaviours (motivation, confidence, stage of behaviour change) all of which will dictate the amount of support needed and prioritisation in session.
- When assessments are used:
 - educate client on purpose and value
 - o select assessments appropriate to the individuals
 - advise individuals of correct procedures, protocols and risks prior to commencing any physical assessment(s)
 - gain informed consent prior to completion of any assessment
 - o supervise assessments in a safe and effective manner
 - carry out assessments at an appropriate point in a behaviour change intervention, in an empathetic and nonjudgemental style
 - ensure safety of client and professionalism is maintained at all times:

- correct procedures, protocols
 - the presence of a chaperone, if necessary
- informed consent
- duty of care
- cultural sensitivities.
- 4.2 Analyse and use information gathered to design a safe and effective exercise session for adults with specific long-term health conditions
- Interpret and use the results of information gathered to:
 - establish a base line from which to monitor and review progress and outcomes and adapt programmes at regular intervals as appropriate
 - make appropriate lifestyle recommendations (within scope)
 - signpost individuals with needs that exceed scope
 - design exercise programmes based on individual's biopsychosocial needs and with consideration to:
 - clinical information and needs
 - safety
 - motivation levels
 - medical information
 - personal motivations and preferences
 - safe and effective session structure:
 - warm-up
 - cardiovascular exercises
 - muscular fitness exercises
 - cooldown and flexibility exercises relaxation
 - with consideration to:
 - motor skills, including balance, coordination
 - functional considerations ability and confidence to transition
 - recommendations for other activities activities of daily living, home-based exercise, other exercise sessions appropriate to needs.
- Application of progressive principles and variables (FITT-VP)

•

4.3 Apply relevant behaviour change theory and techniques to design a programme to meet the personal needs of individuals	 See 3.4 and 3.5. Application of principles from relevant behaviour change models: transtheoretical model (stages and processes) self-efficacy COM-B (capability, opportunity, motivation, behaviour) self-determination theory health belief model biopsychosocial model
4.4 Plan a safe and effective warm-up component	 Intensity, duration and selection of exercises to meet the needs of participants. Content appropriate to exercise genre.
4.5 Plan a safe and effective main component	 Intensity, duration and selection of exercises to meet the needs of participants. Content appropriate to exercise genre.
4.6 Plan a safe and effective cooldown and stretch component	 Intensity, duration and selection of exercises to meet the needs of participants. Content appropriate to exercise genre.
4.7 Assess and manage risks in the exercise environment	 Individual risks – conditions, side effects of medications, reliever medications available (respiratory conditions), carbohydrate snacks available (diabetes), etc. Environment risks – temperature, etc. Equipment risks – safe lifting and moving. Management of risks (eliminate, reduce, isolate, control) and contingency plans.
4.8 Provide a rationale for the session structure and activities used in the session/programme	 Purpose of session. Reasons for activities selected according to participant(s) needs. Reasons for the exclusion of any components, related to genre delivered and advice that would be provided to participants regarding training other components.
4.9 Plan a range of adaptations, modifications and progressions for the exercise programme specific to participants' needs	 Consider that health conditions and individual health status can change over-time. Application of FITT-VP principles: frequency intensity: repetitions

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- rate/speed
- resistance
- rest
- range of movement
- o time:
 - whole session
 - components
- type:
 - modify or change exercise modality or exercises
 - impact and weightbearing changes
- volume dose-response
- progression according to individual needs.
- Different training approaches for component of fitness and exercise discipline (appropriate to type of session and genre planned):
 - o cardiovascular: continuous, intervals, etc.
 - o resistance: circuit, single sets, multiple sets, etc.
 - flexibility: assisted, dynamic, static (modified and adapted).
- Advice to provide to individuals for sessions where certain components of fitness are not trained.

4.10 Record the session and programme in an appropriate format

- Records to be maintained with consideration to local and NHS or other referral agency information governance requirements and information imparted by clinicians and/or the participants.
- For assessment use records provided in Learner Assessment Record (LAR).
- The importance of accurate records when working with individuals with long-term health conditions.
- Use of appropriate screening records, risk assessment.
- Use of appropriate planning records lesson plan and progressive plan.
- Records to be maintained for:
 - monitoring and reporting purposes (as appropriate)
 - o protection in the event of litigation.
- Records to align with GDPR and data protection guidelines:
 - o essential information
 - confidentiality

0	clear and structured
0	appropriate format
0	appropriate storage and transfer

5. Be able to deliver and review exercise sessions and programmes for adults with

long-term health conditions 5.1 Pre-screen See 3.1 and 3.3. participants prior to participation to check readiness to participate 5.2 Assess, monitor • See 3.2. and manage risk to participants throughout the programme **5.3 Deliver** a safe and Use of appropriate instructional skills. effective warm-up Intensity, duration and selection of exercises to meet the component needs of participants. 5.4 Deliver a safe and Use of appropriate instructional skills. effective main Intensity, duration and selection of exercises to meet the component needs of participants. 5.5 Deliver a safe and Use of appropriate instructional skills. effective cooldown and • Intensity, duration and selection of exercises to meet the stretch component needs of participants.

- **5.6 Use** appropriate methods of monitoring exercise safety and intensity
- Methods of monitoring exercise safety and intensity appropriate to health conditions and effects of medication on the exercise response:
 - observation
 - questions and answer
 - heart rate
 - rating of perceived exertion (RPE)
 - o talk test.
- 5.7 Observe and correct participants' exercise technique to ensure safe and effective alignment and use of equipment where appropriate
- Change of teaching position.
- · Use of eye contact.
- Use of specific teaching points

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5.8 Use effective communication and instructional skills and a person-centred and empathic approach to deliver the session	 Adopt a person-centred empathetic approach that takes account of the wider determinants of health and the impact on an individual's ability to change their behaviour. Application of all the following with consideration to the individual's physical, psychological and behavioural needs: visual and verbal communication skills teaching points demonstrations explanations teaching position alternatives observation and correction motivational strategies.
5.9 Provide client specific instructing points, feedback and reinforcement in a friendly, professional manner	 Adaptation of different methods of communication for specific conditions/clients (as required). Based on participant's performance and specific needs.
5.10 Adapt and tailor delivery method, session structure and activities to meet the needs of all participants	 Regressions of exercises, as appropriate. Progressions of exercises, as appropriate. Change of teaching position to improve observation. Modification of instruction skill.
5.11 Provide adaptations, alternatives and progressions to meet individual needs (as required)	As required to support participants,
5.12 Use effective motivational strategies and techniques to support participants to adhere to physical activity and support lifestyle behaviour(s) change	 Verbal and visual. General and specific to individuals. Praise. Encouragement.

5.13 Evaluate the effectiveness of the session and programme to ensure it is engaging, varied and progressive to participants' needs/goals	 Regular review dates. Use of participant feedback and self-reflection. Things that went well – session content and delivery. Things to change or improve – session content and delivery.
5.14 Use information gathered from participant feedback to promote motivation, adherence and outcome success	 Measures of success may include: long-term adherence changes to activity behaviour subjective measures, such as improved mood and energy levels.
5.15 Use information gathered from participant feedback and self-reflection to inform own continuing professional development	 How to improve own practice. The value of reflective practice. Relevant continuing professional development (CPD)

Appendix 1: Information sources

Please note: while the information sources listed are available at the point of development/publication, access to specific website pages will change over time, as will the currency of information.

Information sources and organisations

- Age UK: https://www.ageuk.org.uk/
- Age Concern: https://www.ageisjustanumber.org.uk/services/
- American College of Sports Medicine (ACSM): https://www.acsm.org/
- American Diabetes Society (ADA): https://www.diabetes.org.uk/
- British Geriatric Society: https://www.bgs.org.uk/
- Association for Nutrition (AfN): https://www.associationfornutrition.org/
- Asthma UK: https://www.asthmaandlung.org.uk/
- Arthritis action: https://www.arthritisaction.org.uk
- Blood pressure UK: https://www.bloodpressureuk.org/
- British Association of Cardiovascular Prevention and Rehabilitation (BACPR): https://www.bacpr.org/
- British Journal of Sports Medicine: https://bjsm.bmj.com/.
- British Medical Journal (BMJ): https://www.bmj.com/
- British Heart Foundation (BHF): https://www.bhf.org.uk/
- British Geriatric Society: www.bgs.org.uk/.
- Blood Pressure Association: www.bpassoc.org.uk/
- British Association of Sports and Exercise Science (BASES): https://www.bases.org.uk/
- British Lung Society: https://www.lunguk.org/
- British National Formulary (BNF): https://about.medicinescomplete.com/#/
- British Nutrition Foundation: https://www.nutrition.org.uk/
- Centre for behaviour change: https://www.ucl.ac.uk/behaviour-change/
- Centre for ageing better: https://ageing-better.org.uk/ageing-population
- Chartered Institute for the Management of Sport and Physical Activity (CIMSPA): https://www.cimspa.co.uk/
- Diabetes Education and Self-Management for Ongoing and Newly Diagnosed (Desmond) https://www.desmond.nhs.uk/
- Diabetes UK: https://www.diabetes.org.uk/
- Dose Adjustment for Normal Eating (Dafne): https://dafne.nhs.uk/
- e-PARmed-X + screening tool: https://eparmedx.com/

- EQ-5D assessments: https://euroqol.org/eq-5d-instruments/
- Health and Safety Executive (HSE): https://www.hse.gov.uk/
- Journal of Public Health: https://academic.oup.com/jpubhealth
- Later Life Training: <u>laterlifetraining.co.uk/.</u>
- Map of medicine: https://mapofmedicine.com/
- Mental Health Foundation: https://www.mentalhealth.org.uk/
- MIMS: https://www.mims.co.uk/drugs
- MIND: https://www.mind.org.uk/
- Motivational Interviewing: https://motivationalinterviewing.org/understanding-motivational-interviewing
- MS Society: https://www.mssociety.org.uk/about-ms/what-is-ms
- National Library of Medicine: https://pubmed.ncbi.nlm.nih.gov/
- National Rheumatoid Arthritis Society: https://nras.org.uk/
- National Institute of Mental Health (NIMH): www.nimh.nih.gov
- National Institute of Health and Care Excellence (NICE): https://www.nice.org.uk/
- NHS Choices: https://www.nhs.uk/
- National Institute of Health and Care Excellence (NICE): www.nice.org.uk/.
- National Library of Medicine: <u>pubmed.ncbi.nlm.nih.gov/.</u>
- PAR-Q+: https://eparmedx.com/
- Parkinson's UK: https://www.parkinsons.org.uk/information-and-support/what-parkinsons
- Patient UK: https://patient.info/
- Psychology of Sport and Exercise: https://www.sciencedirect.com/journal/psychology-of-sport-and-exercise
- Research Quarterly for Exercise and Sport: https://www.tandfonline.com/toc/urqe20/current
- Royal Osteoporosis Society: https://theros.org.uk/
- Sport England: https://www.sportengland.org/
- Sport England Market Segmentation: https://segments.sportengland.org/
- Scottish Intercollegiate Guidelines Network (SIGN): https://www.sign.ac.uk/
- The King's Fund. https://www.kingsfund.org.uk
- UK Active: https://www.ukactive.com/.
- World Health Organisation: https://www.who.int/

Reports and articles

- Age UK. (2015). 1m more living with multiple conditions by 2020. Retrieved from: <u>www.ageuk.org.uk/latest-press/archive/one-million-more-older-people-will-be-living-with-multiple-long-term-conditions/</u>
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Textbooks

- American College of Sports Medicine. (2018) ACSM's guidelines for exercise testing and prescription (10th ed.). USA: Wolters Kluwer.
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- Durstine, L. J., et al. (2009). ACSM's exercise management for persons with chronic diseases and disabilities. USA: Human Kinetics.
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Appendix 2: Guidance for participant inclusion criteria and scope of practice

The following screening tools can be used as a **guide** to help identify individuals whose needs are within scope of practice.

Using ACSM algorithm

- Inactive individuals with:
 - o no CV, metabolic or renal disease no medical clearance needed
 - no signs and symptoms of CV, metabolic or renal disease <u>no medical clearance</u> needed
 - known CV, metabolic or renal disease (asymptomatic) <u>medical clearance</u> recommended
 - signs and symptoms of CV, metabolic or renal disease <u>medical clearance</u> recommended.
- Active individuals with:
 - o no CV, metabolic or renal disease no medical clearance needed
 - no signs and symptoms of CV, metabolic or renal disease <u>no medical clearance</u> needed
 - known CV, metabolic or renal disease (asymptomatic) <u>medical clearance not</u> needed for moderate intensity activity
 - o signs and symptoms of CV, metabolic or renal disease seek medical clearance.

NB: Medical clearance being provided does not mean an individual's needs are within your scope of practice unless additional qualifications are held.

Using PAR-Q+ and ePARmed-X

- 'No' response to PAR-Q+ no medical clearance needed.
- 'Yes' response to PAR-Q+ but 'no' response to follow on questions <u>no medical clearance</u> needed but participants may require significant modification to some activities (intensity, <u>type, duration).</u>
- 'Yes' response to PAR-Q+ and 'yes' response to follow on questions completion of e-PARmed-X recommended available at www.eparmedx.com and medical clearance may be needed.

Using Irwin and Morgan

Low to moderate risk stratification.

Appendix 3: Conditions within scope of practice for this qualification

These are offered as a guide for inclusion and exclusion criteria. Learners are required to undertake risk stratification to assess the suitability of exercise for client needs.

* NB: If other CVD risk factors exist, or multiple health conditions are present, risk stratification will increase and may exceed scope.

Condition	Inclusion criteria.
Hypertension	Stable and controlled*
Hypercholesterolaemia	Stable and controlled*
Hyperlipidaemia	Stable and controlled *
Hypothyroidism	Stable and controlled *
Hyperthyroidism	Stable and controlled *
Coronary heart disease	Post-phase IV rehabilitation. No new referrals. CVD risk factors in moderate category. No MI.
Peripheral vascular disease	Without other complications
Diabetes type 1 and 2	Stable and controlled with no complications * HCP to advise on modification of insulin prior to exercise (if insulin dependent)
Obesity	Body Mass Index (BMI) 30 - <40 *
Chronic obstructive pulmonary disease (COPD)	Mild/moderate only *
Asthma	Stable and well controlled
Osteoarthritis	Level 1 and 2 only
Rheumatoid arthritis	Early stage and moderate only. Not in flare up.
Osteopenia	
Osteoporosis	Early stage and moderate. No fracture history.

Condition	Inclusion criteria.
	No falls risk.
Low back pain	Non-specific only.
	No red flags. Yellow (psychological) flags may require signposting to pain management.
Joint replacement	Post-rehabilitation/physiotherapy.
Depression	Less severe (mild to moderate only).
Stress	
General anxiety disorder (GAD)	Less severe (mild to moderate).

Please note:

- When multiple health conditions are present, this may increase risk stratification of individuals.
- Individuals with higher or high-risk stratification are outside of scope of practice for this
 qualification.
- Medical clearance does not mean that all types of exercise are appropriate.
- Instructors should use a range of risk stratification tools to assess level of risk and make informed decisions regarding the specificity of risk, (cardiac incident, fall, fracture, sprain, hypoglycaemia, etc.), severity and likelihood of risk and professional scope of practice.

Exclusions – low back pain (red flags)

- non-mechanical pain, e.g. nerve root pain
- thoracic pain
- fever and unexplained weight loss
- bladder or bowel dysfunction
- history of carcinoma (cancer)
- ill-health or presence of other illness
- HIV
- progressive neurological deficit
- disturbed gait or saddle anaesthesia (cauda equina)
- age of onset 55 years.

Exclusions – absolute contraindications (exercise referral toolkit 2010)

- BMI < 18.5 or > 40kg/m2
- symptomatic severe aortic stenosis

- acute pulmonary embolus or pulmonary infarction
- acute myocarditis or pericarditis
- suspected or known dissecting aneurysm
- active retinal haemorrhage
- resting systolic blood pressure ≥ 180mmHg/diastolic blood pressure ≥ 100mmHg
- uncontrolled/unstable angina
- acute uncontrolled psychiatric illness
- unstable or acute heart failure
- new or uncontrolled arrhythmias
- other rapidly progressing terminal illness
- significant drop in BP during exercise
- uncontrolled resting tachycardia ≥ 100 bpm.
- febrile illness
- experience's pain, dizziness or excessive breathlessness during exertion
- unstable/uncontrolled diabetes
- unstable/uncontrolled cardiac disease
- severe rheumatoid and osteoarthritis
- any other unstable, uncontrolled condition
- any conditions not covered in this qualification.

Guidance for training providers

Centre and qualification approval

Before you can begin delivery of this qualification, you must be a YMCA Awards centre with appropriate qualification and staff approval.

Find out more on our website:



ymcaawards.co.uk/approvals

Tutor, assessor and IQA requirements

All tutors, assessors and internal qualify assurance (IQA) staff need to hold:

- a subject matter qualification
- a qualification related to the role that they will be performing (tutor, assessor or IQA).

Find out more on our website:



ymcaawards.co.uk/approvals/staff-approval





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