

# <u>IHS7112/7115:</u> <u>Community Medicine</u> <u>Placement Handbook</u>

**MSc Physician Associate Studies** 

2023-24

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## **Placement Overview**

The aim of this placement is to establish a core understanding of the structure and functions of the primary health care team. The PA student, through this two-year longitudinal placement, will incorporate themselves in their Primary Care team and develop a sense of their potential for future roles in the General Practice setting. Specific focus in the first year will be placed on common chronic disease management, progressing over the two years to the assessment of acutely unwell patients including children and importantly developing strategies to safely manage cases in which there exists some clinical uncertainty.

Students should focus on the skills of a generalist, rather than focussing on the speciality they are studying in the secondary care modules. Students will frequently encounter similar clinical problems and diseases in their secondary care placements. This module aims to build on how this existing knowledge applies in the primary care context, and to deepen their understanding to gain confidence in managing the various clinical conditions.

The tutor at the host practice should try to ensure that PA students have a variety of clinical exposure and get as much opportunity to see and learn about the primary care team and the clinical problems seen in general practice as possible. It is likely that some informal preparation for reception staff is required, so that students are allocated patients of increasing complexity and to reflect the diversity of the practice population.

Students should discuss cases they have observed or seen personally with the supervising clinician so that they learn to identify gaps in their knowledge and self- direct their own learning. Teaching will occur through case discussions and observing consultations delivered by their supervisors and primary care team in which they are based. This will occur in a structured manner where tutors will offer specific and descriptive feedback to the student as a formative assessment.

## **Course Contacts**

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## Teaching structure

#### **Supervision within Primary Care**

Students will need direct clinical supervision. All patients that are seen should be discussed and seen by the GP tutor. Your Lead GP tutors will need to be responsible for ensuring that you see patients initially within the bounds of your competence, but you should remain proactive in increasing the challenge of the cases that are booked into your surgery such that you feel a growing confidence in seeing patients in increasing complexity across the breadth of general practice.

#### **Student Surgeries**

#### Student Surgeries Year 1

By the time the students start their GP placements they will have had training in how to take a history and how to do the respiratory, cardiovascular, abdominal and neurological examinations. Additionally, they will have been trained to do urinalysis and assess vital signs.

The beginning of their GP placement will largely consist of active sitting in with professionals, observing consultations and taking part in performing basic measurements such as blood pressure and weight. Students should also spend time observing other members of the practice team such as the reception staff and practice manager to understand how GP surgery's function.

As the placement progresses students should be developing an understanding of chronic disease management and common primary care problems; they can start to see patients in parallel to their supervisor, taking an initial history and examination and starting to formulate a differential diagnosis.

By the end of year 1, the students will be able to see and assess appropriately selected patients independently and then discuss the diagnosis and management needs with the supervising GP tutor.

#### Student surgeries Year 2

Students should be deepening their understanding of chronic disease management and common primary care problems; they should ideally see patients in parallel to their supervisor, taking an initial history and examination and starting to formulate a differential diagnosis, management plan including appropriate medications. Though the student should be formulating a plan for patient care, the supervisor must remain aware that the student is still in training and the supervising GP maintains responsibility for the patient, hence all patients require review. Students should practice considering appropriate medications and principles of prescribing, but all prescriptions must be issued by the supervising GP.

Student's surgeries form an integral part of their learning in this Community Care Module and should ideally occur on most of the days that they are in the practice.

A suggested model could be students seeing patients for **20 minute** appointments and then presenting and seeing the patient with the supervising clinician. Tutors will need to consider "blocked

slots" in the supervising clinician's own surgery to allow time for supervision, thisshould be aligned with the student surgery timings.

Reception staff should be guided by the GP tutor on booking suitable patients into student surgeries depending on the competence of the student PA thus far, selecting patients across the demographic range of the practice. Reception staff should advise patients that they will be seen by a student PA but will still have a consultation with a GP.

## Clinical skills

As PAs are a newer member of the clinical workforce GP tutors may not be aware of the structure of their training and which knowledge, skills and behaviours they will be able to put into practice during their placements in primary care. For this reason, we have listed below a guide to when the students will be specifically taught certain skills at the University and what we would expect them to be proficient in at the end of each term. Students will be expected to gain competencies in these clinical skills throughout all their placements including hospital placements and GP.

NB Some procedures/clinical skills will only be performed in hospital placements, but GP tutors need to be aware of what is expected of PA students,

#### <u>Year 1</u>

#### Term 1

- o Introduction to Communication in healthcare
- History taking skills: Introducing yourself, gaining consent, exploring ICE, exploring HPC, drughistory, family & social history
- Cardiovascular examination
- Respiratory examination
- Abdominal examination including PR
- Neurological examination
  - Cranial nerve examination
  - Peripheral nerve Examination
- o Basic Life support
- Measure body temperature
- o Measure pulse rate
- Measure respiratory rate
- Measure and record blood pressure
- To take a venous blood sample, using appropriate tubes for required tests
- Perform and interpret a 12 lead ECG
- Perform a urine dipstick test
- Undertake respiratory function test including Peak flows (when to request, explain to the patient the how to perform the test at home or in the clinic and explain the results) (within covid restrictions)
- Spirometry demonstrate a working knowledge of spirometry including interpreting and explaining the procedure and results to a patient) (within covid restrictions)

#### Term 2

o Ophthalmic examination including assessment of visual acuity, visual fields and

fundoscopyOropharyngeal examination

- Otoscopy
- o How to perform a mental state examination and take a psychiatric history
- Dermatological examination: students should be able to describe lesions/rashes with correctterminology
- Draw up and give intramuscular and subcutaneous injections They will also revise examination of the musculoskeletal system:
- Examination of the spine
- Lower limb joints: Ankle, knee and hip examination
   Upper limb joints: Hand, wrist and shoulder
   examination
- o Demonstrate how to perform a diabetic foot check

#### <u>Term 3</u>

• the students should be able to give smoking cessation advice and give appropriate dietary and exercise advice to patients with chronic diseases.

#### <u>Year 2</u>

In year 2 students should become more fluent in all examinations and practical procedures and integrate them with their history taking, investigations and management of patients.

#### Term 1

- Obstetric history taking and examination of the pregnant woman Sexual health history taking, examination and swabs
- Gynaecological history taking and examination including bimanual and speculum examination and obtaining a cervical smear
- o Paediatric history and examination Falls history and assessment
- o Arterial Blood Gas (ABG)- perform and explain the results
- Female and male catheterisation Blood cultures
- Commence and manage a blood transfusion

#### Term 2

- o Inserting a naso-gastric tube
- Undertaking simple skin suturing
- o Breast examination
- Rectal examination

## Assessment in Primary Care

Students will be spending the majority of their time in primary care seeing patients in student surgeries and their modes of assessment reflect this. **Case based discussion (CbD**), **Clinical evaluation exercise (mini-CEX), Direct observation of procedural** skills (DOPS), **patient feedback** and **student reflective piece** are the formative assessment tools used. An additional break in student surgery and more blocked appointments in GP tutor's surgery are likely to be required when planning to perform a case discussion or observed consultation on some of the student surgeries.

The students will have a logbook with the activities and skills that they need to get signed off by their tutor during their placement. At the end of each term tutors will be required to complete an end of term evaluation of the student's overall competence.

The students' overall assessment will be based on the following:

- 1. Attendance and level of participation and engagement during the placement
- 2. Assessment of professional attitude and conduct
- 3. Completion of required number of CbD, mini-cex and DOPS (See logbook for furtherinformation).
- 4. Patient feedback (see logbook for further information).
- 5. Student reflective piece (see logbook for further information).

#### Assessment of attendance and participation

At the end of each term tutors should assess students on their progress and achievement according to the grading criteria set down by the University.

Forms for each student should be completed on the last day of the placement, with the student present. The forms are in the student's personal logbook.

The benefit of the logbook is that both the GP and hospital tutors can monitor students' progress so that gaps in their experience can be addressed.

#### Assessment of professional attitude and conduct

We want to ensure that our students develop appropriate professional attitudes and behaviour from the very beginning of their training; we recognise that some students may need more help and guidance in their professional development than others and we want to be able to identify them as early as possible so this support can be provided.

GP tutors will be asked to assess students Professionalism, Attendance and Competence at the **<u>end of each year</u>** 

#### Completing the assessment

If as a GP tutor you feel the student is satisfactory you simply need to tick as many of the domains as you feel happy to assess. If you cannot assess a domain, simply tick the 'cannot assess' box.

We also want GP tutors to make a global assessment on each student; again, if you feel thestudent is satisfactory, simply circle satisfactory and sign and date the form).

We do not require you to make any comments about a student unless there are problems. If you feel a student is unsatisfactory in a given domain, please give them some feedback and monitor to see if the situation improves.

#### What to do if a tutor or student has concerns about progression

Any GP tutor or PA student who has concerns should usually try to discuss these concerns within the placement in the first instance. Local resolution is an important skill to learn and should be role modelled for students if possible.

In the event that the concerns continue or are not resolved, GP tutors or the PA student should contact module lead Dr Nadina Hussain.

## LEARNING OBJECTIVES

Set out in the following pages are the learning objectives and learning outcomes.

- the learning objectives of the module: this is what the student should be able to achieve at the end of the learning period. For example, at the conclusion of the Community Medicine module, you should be able to "Describe the diagnosis and management of pre-diabetes"
- the learning outcomes of the module describes how you, the student, should be able to demonstrate what you have learnt in a way that can be measured by you or the teaching staff. For example, at the conclusion of this module, you should be able to:
  - a. Define prediabetes and how it is diagnosed.
  - b. Describe the management of prediabetes

Торіс	Learning objectives	Learning outcomes
Introduction to	Describe primary care	Describe the concepts of
primary care	and how it functions	• primary care,
		general practice
		family medicine.
		Describe the roles of non-clinical staff in the delivery of efficient, safe primary care.
		Recognise the interface between the hostpractice and other primary care organisations and secondary care.
		Become conversant with the clinical systemused at the practice
		Be able to document appropriately on theelectronic medical record with an understanding of the use of READ coding.
		Learn how to construct and run a search onthe clinical system.
		Understand how disease registers are constructed and maintained.
		Explain how the practice maintains a recallsystem for chronic disease patients.

#### Primary care

Health	Discuss health	Describe the schedules for immunization inadults
promotion	promotion in primary	and children
	care	
		Take a smoking history.
		, , , , , , , , , , , , , , , , , , ,
		List the options in smoking cessationtherapy.
		Discuss cultural barriers to smokingcessation.
		Describe the dietary and exercise advice that can be
		offered to patients who are overweight or obese
		(in line with British Dietetics Association and NICE)
		Describe the community and third sector services that
		are available to patients referred from primary care for
		diet and exercise support
		Practice motivational interviewing.
		Explain social prescribing.
		Theorise how social determinants of healthaffect
		wellbeing
		Reflect on the impact of social issues on wellbeing
		and ill health in General Practice

Health	Discuss health inequality in primary	Recognise barriers to accessing healthcare and how these can be overcome.
Inequality	care	Understand the difference in health outcomes between people from different groups in society. Describe the role of general practice in tackling inequalities and what represents good practice in
		tackling inequalities.

## Chronic disease management

#### Cardiovascular

Essential	Describe how	List risk factors for essential hypertensionand how
Hypertension	hypertension can be prevented	these can be managed
		Outline the long-term consequences of
		untreated benign essential hypertension
	Describe the	
	management of	Demonstrate an awareness of the importance of
	hypertension	blood pressure control as apreventive approach to cardiovascular disease.
		Outline the national guidelines (i.e. NICEguideline) for diagnosing, treating and staging hypertension
		Describe the effects of hypertension on end-organs
		and how to assess a patient forthese Explain what Hypertensive retinopathy isand be
		able to identify findings on ophthalmoscopy
		Provide patient education taking into consideration each patient's psychosocialstatus.
		F
		Understand the difficulty, for the patient, of lifestyle
		modifications that play a key role in the
		management of hypertension.
		Be sensitive to barriers that may prevent
		successful long-term compliance with drugtherapy in an asymptomatic condition.

Chronic	Describe the general	Obtain, document, and present an age-
respiratory	management of chronic	appropriate medical history, including
disease	respiratory diseases in	• duration and severity of shortness
	primary care	of breath
		<ul> <li>sputum production</li> </ul>
		• cough
		<ul> <li>wheezing</li> </ul>
		<ul> <li>haemoptysis</li> </ul>
		• fever,
		<ul> <li>abnormal nocturnal/diurnal sleep patterns</li> </ul>
		<ul> <li>patient's occupational history,</li> </ul>
		including current and past
		exposures, environmental,
		<ul> <li>smoking (active and passive).</li> </ul>
		<ul> <li>Perform a physical examination to establish the diagnosis and severity of disease, including <ul> <li>accurate assessment of the use of accessory muscles for breathing,</li> <li>accurate determination of pulsus paradox</li> <li>accurate recognition of abnormal breath sounds</li> </ul> </li> </ul>
		Generate a differential diagnosis recognizing specific history and physical exam findings that confirm or refute a diagnosis of asthma, chronic bronchitis or COPD.
		Understand when to arrange and how to interpret a chest x-ray, spirometry, sputum culture, and pulse oximetry in the evaluation of patients suffering from obstructive airways disease.
		Describe the basic principles of bronchodilator, corticosteroid, oxygen and antibiotic therapy.

### Respiratory

	1	
		Describe the role of influenza and
		pneumococcal vaccine in the care of
		patients with obstructive airways disease.
		Discuss how poor working, living, and
		environmental conditions can contribute to
		respiratory tract disease.
Asthma	Describe the clinical presentation of asthma	Define Asthma
	,	Describe the symptoms and clinical
		features of Asthma.
		Describe the diagnosis, treatment and
	Describe the	management of asthma
	management of asthma	Describe the management of an acute
	ustimu	exacerbation of asthma
		Outline national guidance (i.e. NICE and
		BTS Guidance) on Asthma
		Describe the risk factors for asthma and
		how they can be addressed.
COPD	Describe the clinical	Define COPD
	presentation of COPD	
		Describe the symptoms and clinical
		features of COPD.
	Describe the	Describe the discussion tractment and
	management of COPD	Describe the diagnosis, treatment and management of COPD
		Describe the management of an acute exacerbation of COPD
		Outline national guidance (i.e. NICE and
		BTS Guidance) on COPD
		Describe the risk factors for COPD and how
		they can be addressed.

#### Renal

Chronic kidney disease	Describe chronic renal disease and how it is managed in primary	Describe laboratory and clinical findings in early renal impairment.
	care	Discuss primary care management of renal impairment and chronic kidney disease.

		List indications for referral to a renal consultant.
		Describe strategies for co-managing patients with CKD with renal consultants.
Acute kidney injury (AKI)	Describe Acute kidney injury and how it is managed in primary care	Describe the primary care management of Patients' found to have AKI 1,2,3
		Describe the risk factors for AKI in patients with chronic health conditions
		Describe medications that may need to be stopped (if found to have AKI)

## Endocrinology

Type 2 Diabetes	Describe the diagnosis and management of pre-diabetes	Define prediabetes and how it is diagnosed. Describe the management of prediabetes
	Describe the diagnosis and management of type 2 diabetes in primary care	Discuss criteria for a new diagnosis of type 2 diabetes. Discuss guidelines for step-wise treatment of type 2 diabetes. Cite target HBA1c goals in type 2 diabetes. List complications of poorly controlled type

		Describe patient and family self- management of type 2 diabetes and prevention of complications.
		Describe the clinical presentation of diabetic peripheral neuropathy and how it is screened for and managed
		Be able to perform a diabetic foot examination
		Explain what diabetic retinopathy is and be able to identify findings on ophthalmoscopy
Thyroid disease	Describe the pathophysiology of the	Describe the function of the thyroid gland
	thyroid	Understand thyroid function tests and interpret abnormalities

Hypothyroidism	Describe the diagnosis and management of hypothyroidism	Define hypothyroidism Describe the clinical features of hypothyroidism Describe the management of hypothyroidism
Hyperthyroidism	Describe the diagnosis and management of hyperthyroidism	Define hyperthyroidism and list its clinical features Describe the presentation and treatment of Grave's disease, Hashimoto's thyroiditis and Thyroid storm Describe the clinical features of Thyroid eye disease
Thyroid neoplastic disease	Identify the presentation of possible thyroid neoplastic disease	List the signs and symptoms of thyroid neoplastic disease List the criteria for referral to secondary care for possible thyroid cancer

## Neurology

Chronic	Describe how chronic	Define rehabilitation and its purpose in
neurological	neurological disease is	managing chronic neurological condition
disease and	managed in the	
disability in the	community	Outline the principles involved in
community		rehabilitation in the community as it relates
		to chronic neurological disability
		Understand each role of the multi-
		disciplinary team in regards to rehabilitative
		care in the community.
		List som dage for och skilltation some in
		List services for rehabilitative care in
		thecommunity.
		Explain the role of physiotherapy in
		themanagement of chronic
		neurological conditions.
		Describe assessment of the home
		environment in the setting of chronic
		neurological conditions and
		disability.
	Identify the presentation	Define multiple scleresis (MS) and recognize
	of multiple sclerosis	Define multiple sclerosis (MS) and recognize its clinical presentations.

## Cancer in primary care

Red flags	Identify when to refer patients to the 2 -week wait cancer clinic	Understand the symptoms and signs that warrant investigation and referral for suspected cancer
		Outline the national guidance (i.e NICE guidance) for referral for the following suspected cancers:
		Lung and pleural cancers Upper GI cancers Lower GI cancers Breast cancer

		Gynaecological cancers Urological cancers Skin cancers Head and neck cancers Brain and central nervous system cancers Haematological cancers Sarcomas Childhood cancers
End of life care in	Describe palliative and	Describe capacity and consent in end of life
the community	end of life care in the community	decision making.
	,	Explain the principles of palliative care.
		Discuss advance directives and engaging patients and families in planning for end of life.
		Describe the role of the multidisciplinary team in palliative care.

## Ear, Nose and Throat

ENT clinical skills	Be able to consult a patient presenting with ENT problems	Take a thorough history of a patient presenting with an ENT complaint Perform a competent examination of the ears, nose and throat.
Ear	Describe the presentation and management of common conditions of the ear.	Describe the causes, clinical features and management of the following ear conditions: Acute otitis media Cerumen impaction Labyrinthitis Otitis externa Vertigo Chronic otitis media Mastoiditis Meniere's disease Barotrauma Hearing impairment Tympanic membrane perforation

Nose	Describe the presentation and management of common conditions of the nose and sinus	Describe the causes, clinical features and management of the following nose/sinus conditions: Acute sinusitis Allergic rhinitis Epistaxis Chronic sinusitis Nasal polyps
Throat	Describe the presentation and management of common conditions of the throat.	Describe the causes, clinical features and management of the following mouth/throat conditions: Acute pharyngitis Acute tonsillitis Aphthous ulcer Laryngitis Oral candidiasis Oral candidiasis Oral herpes simplex Parotitis Quinsy Epiglottitis Oral leukoplakia Sialadenitis Peritonsillar abscess Dental abscess
ENT cancer	<i>Identify the presentation of possible ENT cancers</i>	Recognise the clinical features of the following ENT cancers and their management: Acoustic neuromas Nasopharyngeal and oral cancers

## Dermatology

Common skin conditions	Describe the presentation and	Describe the causes, clinical features and management of the following skin conditions:
	management of common Skin	
	and Nail	Atopic dermatitis
	conditions	Contact dermatitis
		Nappy rash
		Peri-oral dermatitis
		Seborrhoeic dermatitis
		Venous stasis dermatitis
		Actinic keratosis
		Tinea versicolor
		Tinea corporis/pedis

	skin cancers	refer a patient to secondary care: Basal cell carcinoma Melanoma Squamous cell carcinoma
Skin cancer	Identify the presentation of possible	Recognise the clinical features of the following skin cancers and identify when to
		Describe the psychosocial impact of skin disease on patients, their families and friends
		Stevens-Johnson syndrome Erythema multiforme Toxic epidermal necrolysis
		Bullous conditions
		Decubitus ulcers/leg ulcers Acanthosis nigricans
		Lipomas/epidermal inclusion cysts
		Melasma
		Hydradenitis suppurativa
		Urticaria Vitiligo
		Burns
		Simple and complex lacerations
		Animals bites Human bites
		Insects bites
		Scabies
		Lice
		Impetigo Erysiplelas
		Cellulitis/vasculitis
		Condyloma acuminatum
		Varicella-zoster virus infections
		Molluscum contagiosum Verrucae
		Herpes simplex Molluscum contagiosum
		Exanthems
		Paronychia
		Onycomycosis
		Folliculitis Androgenic alopecia
		Rosacea
		Acne vulgaris
		Lichen planus
		Psoriasis Dermatophyte infections
		Pityriasis rosea Psoriasis
		Drug eruptions

## Ophthalmology

Ophthalmology clinical skills	Be able to consult a patient presenting with eye symptoms	Take a thorough history of a patient presenting with an eye complaint Perform a competent examination of the eye including ophthalmoscopy
Common eye conditions	Describe the presentation and management of common eye conditions	Describe the causes, clinical features and management of the following eye conditions: Blepharitis Conjunctivitis Corneal abrasion Keratitis Foreign body Pteryguim Chalazion Orbital cellulitis Dacryoadenitis Strabismus Cataracts Congenital cataracts Macular degeneration Ectropion Entropion Glaucoma Retinal detachment Retinal detachment Retinal vascular occlusion Optic neuritis Optic atrophy Blow out fracture Horner's Third nerve palsy Holme-adie syndrome List causes of red eye that should trigger referral to an ophthalmologist.
Cancers of the eye	Identify the presentation of possible cancers of the eye	List red flags for eyelid lesions suggestive of malignancy. Describe the causes, clinical features and management of <b>Retinoblastoma</b>

## Musculoskeletal disease

MSK clinical skills	Be able to consult a patient presenting with an MSK complaint	Take a thorough history of a patient presenting with joint pain. Perform a competent examination of the following: Shoulder Hands Spine Hip Knee Ankle
Orthopaedics	Describe the presentation and management of common orthopaedic conditions	Describe the causes, clinical features and management of the following orthopaedic conditions Rotator cuff disorders Subluxation Epicondylitis Carpal tunnel syndrome De quervain's tenosynovitis Kyphosis/scoliosis Herniated disc pulposis Spinal stenosis Cauda equina Ankylosing spondylitis Slipped upper femoral epiphysis Osgood-schlatter disease Bursitis of the knee Meniscal tears Chondromalacia
Rheumatology	Describe the presentation and management of common rheumatological conditions	Describe the causes, clinical features and management of the following rheumatological conditions Fibromyalgia Gout Pseudogout Rheumatoid arthritis Reiters syndrome Polyarteritis nodosa Scleroderma Sjogren's syndrome Juvenile rheumatoid arthritis Systemic lupus erythematosus

	1	
Osteoarthritis	Describe the underlying pathophysiology of	Define Osteoarthritis
	Osteoarthritis	Describe the causes of OA.
		Describe the symptoms and clinicalfeatures of OA.
	Describe the management of OA	Describe the diagnosis, treatment and management of OA.
		List indications for surgical intervention inosteoarthritis of the hip and knee
Back pain	Describe the management of back pain	Create a differential diagnosis for acuteonset back pain.
		List red and yellow flags in acute onsetback pain.
		Discuss appropriate investigations in backpain and when MRI is indicated.
		Describe management options in acuteonset back pain.
		Discuss issues that may arise regarding illness and taking time away from work.
Septic arthritis	Describe the underlying pathophysiology of	Define Septic arthritis
	Septic arthritis	Describe the causes of Septic arthritis
		Describe the symptoms and clinicalfeatures of Septic arthritis
		Describe the diagnosis, treatment and management of Septic arthritis
	Describe the management of Septic	Differentiate among septic arthritis, rheumatoid arthritis flare and gout.
	arthritis	Create a differential diagnosis for acute erythematous, painful joint.

Osteomyelitis	Describe the underlying pathophysiology of acute and chronic Osteomyelitis	Define Osteomyelitis Describe the causes of acute and chronic Osteomyelitis
	Describe the management of Osteomyelitis	Describe the symptoms and clinical features of acute and chronic Osteomyelitis Describe the diagnosis, treatment and management of acute and chronic Osteomyelitis
Musculoskeletal Neoplastic disease	Identify the presentation of possible musculoskeletal cancer.	Recognise the clinical features of the following orthopaedic cancers and identifywhen to refer a patient to secondary care: Bone cysts/tumour Osteosarcoma

Pain Management in primary care	Outline the basic principles of pain physiology, including the transmission and modulation of pain signals.
	Recognize and differentiate between acute and chronic pain
	Develop a systematic approach to pain assessment, including the use of appropriate pain assessment tools and scales.
	Describe with non-pharmacological interventions for pain management, such as physical therapy, occupational therapy, psychological interventions, and complementary therapies -
	Describe the biopsychosocial model of pain, considering the physical, psychological, and social factors that influence pain perception and management.
	Outline the principles of opioid prescribing, including appropriate dosing, monitoring, and recognizing the potential risks and

complications associated with opioid therapy
Demonstrate knowledge of the pharmacological agents commonly used in pain management, including their mechanisms of action, indications, contraindications, side effects, and potential drug interactions
Develop skills in providing effective patient education and counselling regarding pain management, including setting realistic expectations, addressing fears and concerns, and promoting adherence to treatment plans
Recognize the importance of a multidisciplinary approach to pain management and understand the roles of different healthcare professionals, such as pain specialists, physical therapists, psychologists, and social workers, in comprehensive pain care
Develop an understanding of the impact of cultural, social, and socioeconomic factors on pain perception, expression, and access to pain management resources.