

ACRRM Fellowship Education Program Semester A

Resource list

Module 1 - Chronic disease

Module 2 - Musculoskeletal conditions

Module 3 - Women's health

Module 4 - Aged care

Module 5 - Child and adolescent health



Module 1 - Chronic disease

Information about Chronic disease

Chronic diseases are an ongoing cause of substantial ill health, disability and premature death, generally characterised by their long-lasting and persistent effects. Many people with chronic conditions do not have a single, predominant condition, but rather they experience multimorbidity - the presence of two or more chronic conditions in a person at the same time.

Multimorbidity can make treatment more complex and places a heavy demand on Australia's health care system. A key focus of the Australian health system is the prevention and better management of chronic conditions to improve health outcomes.

According to the report <u>Australia's health 2022</u>, almost half of Australians (47%, or 11.6 million people) were estimated to have one or more of the 10 selected chronic conditions in 2020–21 (ABS 2022a).

Mental or behavioural conditions; back problems; and arthritis were the most common of the 10 selected chronic conditions.

Based on self-reported information from the 2020–21 NHS, it was estimated that about:

- 5.0 million (20%) people had a mental or behavioural condition, which was the most commonly reported chronic condition for both males and females.
- 3.9 million (16%) had back problems, which include sciatica, disc disorders, and curvature of the spine.
- 3.1 million (12%) had arthritis, with females (15%) more likely than males (10%) to have the condition

The following list of chronic diseases are listed in the <u>Rural Generalist Curriculum</u> under Learning Area 15, Chronic Disease:

ischaemic heart disease	arthritis
stroke	osteoporosis
lung cancer	asthma
colorectal cancer	chronic obstructive pulmonary disease
depression	chronic kidney disease
type 2 diabetes	

The most recent General Practice Insights Report found that:

• Hypertension was the most common selected condition recorded during 2020–21 for patients seen by GPs in MedicineInsight practices (6.0% of patients), followed by anxiety (5.5%) and depression (5.1%).

The <u>General Practice Health of the Nation 2020</u> report outlined that there was a significant shift in preventative health in 2020, increasing from 18% in 2019 to 56% in 2020. This was attributed to the greater number of flu vaccinations provided in 2020 compared to other years, to avoid extra stress on the health system during the COVID-19 pandemic. While there was an increase in vaccination, it is likely health screening decreased as patients avoided presenting for usual care.

Optimum management of chronic disease involves lifestyle, socioeconomic considerations, and expensive drug treatments.



Chronic disease resources

Back to index

Type 2 diabetes

Diabetes Australia

Diabetes, How many Australians have diabetes? - Australian Institute of Health and Welfare (aihw.gov.au)

Management-of-type-2-diabetes-A-handbook-for-general-practice.aspx

Queensland Health, Royal Flying Doctor Service Australia (Queensland Section) and Apunipima Cape

York Health Council - Chronic Conditions Manual: Prevention and Management of Chronic Conditions in Australia

Healthy diet for diabetes | Diabetes Australia

Exercise & diabetes - Diabetes Australia

Type 2 diabetes, explained - NPS MedicineWise

<u>The Australian Type 2 Diabetes Risk Assessment Tool (AUSDRISK) | Australian Government Department of Health and Aged Care</u>

CVD Check

<u>Diabetes Australia - Type 2 diabetes risk calculator</u>

NPS Medicinewise - Type 2 diabetes: when metformin is not enough

NPS Medicinewise - Pharmacological therapies in Australia for type 2 diabetes

National diabetes services scheme (NDSS)

Risk Calculator - Diabetes Australia

Diabetes UK - Evidence-based nutrition guidelines for the prevention and management of diabetes

Evidence Alerts - Intensive glucose control

Australia Diabetes Educators Association - Information sheets

Kidney Health Australia - Chronic kidney disease management handbook

Driving with diabetes | Diabetes Australia

Treatment Management Plans (diabetessociety.com.au)

Insulin delivery devices - Australian Prescriber (nps.org.au)

Insulin fact sheet - NDSS

ADE | Sick day management: Updated ADEA resources

Absolute CVD risk

Queensland Health, Royal Flying Doctor Service Australia (Queensland Section) and Apunipima Cape

York Health Council - Chronic Conditions Manual: Prevention and Management of Chronic Conditions in Australia

Heart Foundation - Absolute CVD risk clinical guidelines

Heart Foundation - Absolute cardiovascular disease risk management - tables

NVDPA - Australian absolute cardiovascular disease risk calculator

CVD Check: Health Professionals

MBS-Factsheet-D2.pdf (heartfoundation.org.au)

Heart Foundation - Guideline for the diagnosis and management of hypertension in adults, 2016

Australian Institute of Health and Welfare (AIHW) - Abnormal blood lipids (dyslipidaemia)

Fodor G. (2008). Primary prevention of CVD: treating dyslipidaemia - BMJ clinical evidence, 2008, 0215

<u>Better Health Channel - Patient handouts</u> (topics include cholesterol, cholesterol - healthy eating tips, heart disease and food, triglycerides)

Kidney Health Australia - Chronic kidney disease management handbook



Chronic disease resources - continued

Back to index

Osteoporosis

Healthy Bones Australia - Prevention and treatment of osteoporosis

RACGP and Osteoporosis Australia - Osteoporosis guidelines

Queensland Health, Royal Flying Doctor Service Australia (Queensland Section) and Apunipima Cape

York Health Council - Chronic Conditions Manual: Prevention and Management of Chronic Conditions in Australia

Chronic musculoskeletal conditions, Osteoarthritis - Australian Institute of Health and Welfare (aihw.gov.au)

Screening could prevent a quarter of hip frac | EurekAlert!

<u>Bisphosphonates - clinical applications in osteoporosis - Australian Prescriber (nps.org.au)</u>

Calcium and vitamin D supplementation

Osteoarthritis - complications, treatments and diagnosis | healthdirect

Jean Hales organisation https://jeanhailes.org.au

NPS Medicinewise - Bone health action plan

NPS Medicinewise - Recognising those at risk > Minimal trauma fracture increases the risk of future fractures

WHO Fracture Risk Assessment Tool (FRAX)

Garvan Fracture Risk Calculator

General

PHN Northern Queensland - Health assessment and chronic disease management: finding your way through the maze PHN Northern Queensland - Medicare Benefits Schedule (MBS) flowchart for chronic disease: Aboriginal and Torres Strait Islander







Module 2 - Musculoskeletal conditions

Information about Musculoskeletal conditions

Musculoskeletal conditions are conditions of the bones, muscles and connective tissues. Chronic musculoskeletal conditions are large contributors to illness, pain and disability in Australia. 1 in 6 Australians (16%) had back problems in 2017-18, and musculoskeletal conditions accounted for 7.0% of all hospitalisations in 2020-21 (AIHW, 2023).

In 2022, musculoskeletal presentations were the second most commonly reported reason for patient presentations to GPs (<u>Health-of-the-Nation.pdf.aspx (racgp.org.au</u>).

In 2018-19, more money was spent on managing musculoskeletal disorders, including back problems, than any other category of disease, condition or injury in Australia. (Low Back Pain Clinical Care Standard | Australian Commission on Safety and Quality in Health Care.)



Musculoskeletal conditions resources

Back to index

Lower back pain

Almedia, M., Saragiotto, B., Richards, B., & Maher, C. (2018). <u>Primary care management of non-specific low back pain:</u> <u>key messages from recent clinical guidelines</u>. Medical Journal of Australia, 208(6), 272-275

Bardin, L., King, P., & Maher, C. (2017). <u>Diagnostic triage for low back pain: a practical approach for primary care</u>. *Medical Journal of Australia, 206*(6), 268-273

Keele University - STarT Back Screening Tool

Maher, C., Williams, C., Lin, C., & Latimer, J. (2011). <u>Managing low back pain in primary care</u>. *Australian Prescriber, 34*, 128-132

Murtagh, J. (2012). John Murtagh's General Practice 5th Edition. Sydney: McGraw Hill

Murnion, B. (2018). Neuropathic pain: current definition and review of drug treatment. Australian Prescriber, 41, 60-63

Paediatric MSK

McRae, R., & Esser, M. (2008). Practical Fracture Treatment, 5th Edition. Elsevier

<u>Raising Children</u> – an excellent resource for parents and for parent information which is easy to use in consultations and great to refer parents to at home.

The Royal Children's Hospital (RCH) Melbourne

Upper limb

Brun, S. (2012). <u>Shoulder injuries: Management in general practice</u>. *Australian Family Physician, 41*(4), 217-220 John Murtagh's General Practice (textboook)

NPS (2018). Non-traumatic shoulder pain in general practice

Worker's compensation and return to work

RVTS 4 GPs - Worker's compensation and return to work

Lower limb

Avant. (2018). The serious implications of missing compartment syndrome.

Cochrane Review. (2014). Platelet-rich therapies for musculoskeletal soft tissue injuries.

Fallon, K. (2020). Overuse injuries in the athlete. Australian Journal of General Practice, 49(1-2).

Huguenin, L. (2016). Paediatric sports injuries. Australian Family Physician, 45(7), 466-469.

Juhn, M.S. (1999). <u>Patellofemoral pain syndrome: a review and guidelines for treatment</u>.

American Family Physician, 60(7), 2012-2018.

McPoil, T.G. et al. (2008). <u>Clinical Practice Guidelines: Heel pain – Plantar fasciitis</u>. *Journal of Orthopaedic & Sports Physical Therapy, 38*(4), A1–A18.

MDA National. (2018). A case of compartment syndrome.

Musculoskeletal Australia. (2018). Baker's cyst patient handout

Neufeld, S.K. & Cerrato, R. (2008). Plantar fasciitis: Evaluation and treatment. *Journal of the American Academy of Orthopaedic Surgeons*, *16*(6), 338-346.

Nickson, C. (2019). Compartment syndrome. Life in the Fast Lane.

Rio, E., Mayes, S. & Cook, J. (2015). Heel pain: a practical approach. Australian Family Physician, 44(3), 96-101.

Samra, D.J. & Orchard, J.W. (2015). Patterns of platelet-rich plasma use among Australasian sports physicians. *BMJ Open Sport & Exercise Medicine*, 1:e000054.

Schwartz, E.N. & Su, J. (2014). Plantar fasciitis: a concise review. The Permanente Journal, 18(1), e105–e107.

Tahririan, M.A., Motififard, M., Tahmasebi, M.N., & Siavashi, B. (2012). <u>Plantar fasciitis</u>. *Journal of Research in Medical Sciences*, *17*(8), 799-804.

Tu, P. (2018). Heel pain: diagnosis and management. American Family Physician, 97(2),86-93.

Willy, R. et al. (2019). <u>Patellofemoral pain: Clinical practice guidelines</u>. *Journal of Orthopaedic and Sports Physical Therapy,* 49(9), CPG1-CPG95.

08.06.23 - V1





Module 3 - Women's health

Information about Women's health

In 2018, just over half (51%) of the country's population was female. The typical Australian female is 38.1 years old, lives in a major city, is employed and has a non-school qualification. The density of the female population varies across the country. According to the 2016 ABS Census, males outnumber females in outer regional, remote and very remote areas. (AIHW 2019).

The average age of all women who gave birth in Australia continues to rise: from 29.9 years in 2007, to 30.6 years in 2017 (AIHW 2019). Based on the ABS Patient Experiences Survey, 9 in 10 Australian females visited a general practitioner in the previous 12 months. Providing care for female patients in a primary health care setting is an important part of the scope of practice of a rural generalist.



Women's health resources

Back to index

Vulval health

Jean Hailes webinar - Common vulval conditions: all that itches is not thrush.

Jean Hailes webinar - How to talk about vulval health

Jean Hailes webinar - Why ask about vulval health?

Women's Health Victoria - Labia library

PCOS and infertility

Jean Hailes active learning modules

Jean Hailes - Fertility and preconception care

Jean Hailes - PCOS: an updated overview

Jean Hailes - Pelvic floor exercises

Pelvic Floor First - Working your pelvic floor

Teede et al. (2018). <u>Translation and implementation of the Australian-led PCOS guideline: clinical summary and translation resources from the International Evidence-based Guideline for the Assessment and Management of Polycystic Ovary Syndrome</u>. *MJA*, 209(7), S3-S8. doi: 10.5694/mja18.00656

Urinary incontinence

Arnold, J., McLeod, N., Thani-Gasalam, R., & Rashid, P. (2012). Overactive bladder syndrome: Management and treatment options. Australian Family Physician, 41, 878-883.

Continence Foundation of Australia - Bladder diary

Kim, S., Liu, S. & Tse, V. (2014). Management of urinary incontinence in adults. Australian Prescriber, 37, 10-3. doi:10.18773/austprescr.2014.003

Kuteesa, W. & Moore, K.H. (2006). <u>Anticholinergic drugs for overactive bladder</u>. *Australian Prescriber, 29*, 22-4. doi: 10.18773/austprescr.2006.012

Prolapse

Dietz, H. P. (2015). Pelvic organ prolapse - a review. Australian Family Physician, 44(7), 446-452.

Jean Hailes - Prolapse

Safer Care Victoria - Transvaginal mesh complications

Abnormal vaginal bleeding

RANZCR | Cancer Australia - Abnormal Vaginal Bleeding : Diagnostic Guide

Sexual problems

Goodwach, R. (2017). Let's talk about sex, Australian Family Physician, 46(1), 14-18

Jean Hailes webinar - Let's talk about sex: midlife sexual function

Jean Hailes webinar - Managing sexual pain: a multidisciplinary approach



Women's health resources - continued

Back to index

Contraception

Australian Medicines Handbook chapter on "Contraception"

Contraception Australia

eTherapeutic Guidelines chapter on "Contraception"

Family Planning NSW

Family Planning Queensland

Family Planning Tasmania

Family Planning Victoria

Family Planning Welfare Association of the Northern Territory

Health Direct

Jean Hailes Yarning about contraception handout

Sexual Health and Family Planning ACT

Sexual Health Information Networking & Education SA

Postpartum issues

<u>Australian Breastfeeding Association</u>

Edinburgh Postnatal Depression Scale

National Diabetes Service Scheme (NDSS) - Gestational diabetes

Pregnancy, birth and baby

Raising Children Network

The Faculty of Sexual and Reproductive Healthcare Guideline - Contraception after pregnancy

The Royal Women's Hospital - Your health after birth





Module 4 - Aged care

Information about Aged care

Aged care is one of the <u>new curriculum learning areas</u> and is becoming ever more important as the population in Australia ages. Australia's older generation (those aged 65 and over) continues to grow and is projected to more than double by 2057. In 2016, 15% of Australians (3.7 million) were aged 65 and over. \$23.6 billion was spent by governments on aged care between 2020-2021. (Home - AIHW 2023)

Around 2 in 3 people using aged care as of June 2021 were women.

Indigenous Australians represented 2.7% of people using the most frequently used mainstream aged care services (residential care, home care, home support, transition care) where Indigenous status was known. 41% of Indigenous Australians using home support, 28% using home care, and 20% using permanent residential aged care were aged under 65.

(Australian Institute of Health and Welfare, 2023)

The Royal Commission into Aged Care Quality and Safety was recently published and can be found here https://agedcare.royalcommission.gov.au/publications/final-report. The report came up with 148 recommendations around the care and management of the aged both now and into the future.

There is information on 'People's care needs in aged care' that can be found here at <u>People's care needs in aged care - AIHW Gen (gen-agedcaredata.gov.au)</u>.

Falls are the most common cause of hospitalised injury and injury death among people aged 65 and over in Australia (Falls in older Australians 2019–20: hospitalisations and deaths among people aged 65 and over, About - Australian Institute of Health and Welfare (aihw.gov.au).



Aged care resources

Back to index

Cognitive impairment, dementia and advance care planning

Advance Care Planning Australia

Advance Care Planning Australia - Find forms and requirements for your area

Cognitive Decline Partnership Centre - Clinical guidelines for dementia

Cognitive Decline Partnership Centre - Clinical practice guidelines and principles of care for people with dementia

Cognitive Decline Partnership Centre - <u>A consumer companion guide to the clinical practice guidelines and principles of care for people with dementia</u>

Dementia Australia - Assessment process for dementia diagnosis

Dementia Australia - The Rowland universal dementia assessment scale (RUDAS)

Dementia Australia - Tests used in diagnosing dementia (patient info sheet)

Dementia Australia - What is dementia?

Dementia Australia - Progression of dementia

Dementia Australia - How is dementia treated?

Dementia Australia - Kimberley Indigenous cognitive assessment (KICA)

Dementia Collaborative Research Centres - General practitioner assessment of cognition (GPCOG)

Dementia Collaborative Research Centres - GPCOG | Investigations for memory loss

Dementia Collaborative Research Centres - 14 essentials for good dementia care in general practice

Health.Vic - Clock drawing test

IHPA - Mini-mental state exam (MMSE)

Laver et al (2016). Clinical practice guidelines for dementia in Australia. MJA, 204(5).

Deprescribing and nursing homes

Australian Government Department of Health - <u>Medicare Benefits Schedule (MBS) Comprehensive medical assessment (CMA) for residents of residential aged care facilities (RACF) (check list)</u>

Le Couteur, D., Gnjidic, D. & McLachlan, A. (2011). <u>Deprescribing</u>. *Australian Prescriber*, 34,182-5.

RACGP aged care clinical guide (Silver Book) - Part A. Deprescribing

RACGP - Medical care of older persons in residential aged care facilities (Silver Book)

The University of Sydney | NHMRC | Bruyère Research Institute. (2018). <u>Evidence-based clinical practice guideline for deprescribing cholinesterase inhibitors and memantine</u>



Aged care resources - continued

Back to index

75+ health check

Australian Government - Carer gateway

Australian Government - My Aged Care | For health professionals

Australian Government Department of Health - Medicare health assessment for older persons (75+) (proforma)

Australian Government Department of Health - <u>Medicare Benefits Schedule (MBS) Comprehensive medical assessment (CMA) for residents of residential aged care facilities (RACF) (check list)</u>

Australian Government Department of Health - Physical activity recommendations for older Australians

Australian Government Department of Health - <u>Australia's physical activity and sedentary behaviour guidelines: Tips and ideas for older Australians (65 years and older)</u>

Australian Government Department of Health - Zostavax vaccine screening form for contraindications

Australian Immunisations Handbook - Zoster (herpes zoster)

Aust Roads | National Transport Commission - The Australian assessing fitness to drive guidelines

MBS items <u>701</u> (brief), <u>703</u> (standard), <u>705</u> (long) or <u>707</u> (prolonged)

NPS MedicineWise - Choosing wisely Australia

RACGP - Guidelines for preventive activities in general practice (Red Book)

RACGP - Prescribing drugs of dependence

Waldron, N., Hill, A. & Barker, A. (2012) Falls prevention in older adults: Assessment and management Australian Family Physician, 41(12), 930-935.

Vic roads - Ageing and safe driving

Capstone webinar

National Heart Foundation of Australia and the Cardiac Foundation of Australia and New Zealand: Australia clinical guidelines for the diagnosis and management of atrial fibrillation 2018





Module 5 - Child and adolescent health

Information about Child and adolescent health

Welcome to the Child and Adolescent Health module. This forms a large and important part of the ACRRM curriculum and a large proportion of the workload for any rural generalist. Here are some interesting statistics (good and bad!) from the Australian Institute of Health and Welfare (AIHW) to consider:

- 93% of Australian children were fully immunised by the time they started school in 2015
- 26% of children aged 5–14 are overweight or obese
- 2.5% of children aged 5-14 eat enough fruit and vegetables
- 130,000 children and young people were hospitalised because of an injury in 2017-18.
 The most common cause of hospitalised injury among children and young people was a fall
 of some type (commonly due to playground equipment including trampolines and climbing
 apparatus).

Source:

- Children & youth Overview Australian Institute of Health and Welfare (aihw.gov.au)
- Hospitalised injury in children and young people, 2017–18, Summary Australian Institute of Health and Welfare (aihw.gov.au)



Child and adolescent health resources

Back to index

Respiratory illnesses in children

Australasian Bronchiolitis Guideline - PREDICT

National Asthma Council Australia - Australian Asthma Handbook

National Asthma Council Australia - Asthma action plan templates

National Asthma Council Australia - HP First Aid for Asthma Children Under 12

RCH - Bronchiolitis patient handout

RCH - Clinical Practice Guidelines: Asthma acute

RCH - Clinical Practice Guidelines: Community acquired pneumonia

RCH Immigrant Health Service - Tuberculosis screening

Stuckey-Schrock, K., Hayes, B. & George, C. (2012). <u>Community acquired pneumonia in children</u>. *Am Fam Physician, 86*(7), 661-667.

Wurzel, D., Marchant, J. & Chang, A. (2014). Drug treatments of childhood coughs. Aust Prescr, 37,115-9.

Abdominal pain in children

John Murtagh's General Practice Seventh Edition - Constipation in children, p. 467

The Royal Children's Hospital Melbourne - Clinical Practice Guidelines: Abdominal Pain - Acute

The Royal Children's Hospital Melbourne - Clinical Practice Guidelines: Constipation

Common rashes in children

Australian Government Department of Health - <u>Australian Immunisation Handbook: Vaccine preventable diseases</u>

Australian Government Department of Health - National immunisation program schedule

DermNet NZ - Specific viral exanthems

John Murtagh's General Practice - 7th Edition

Kimberley Aboriginal Medical Services Council. (2014). Skin infections

The Royal Children's Hospital Melbourne - Clinical Practice Guidelines

Headache in children

Australian Doctor. (2017). How to treat headaches in children

Kacperski, J., Kabbouche, M., O'Brien, H. & Weberding, J. (2016). The optimal management of headaches in children and adolescents. *Ther Adv Neurol Disord*, *9*(1), 53–68. doi: 10.1177/1756285615616586

Sixsmith, E. & Starr, M. (2015). Managing childhood migraine. Australian Family Physician, 44(6), 356-359.

Perth Children's Hospital. (2018). Emergency Department Guidelines - Headache

Therapeutic Guidelines – has a section on 'Migraine in children'

Rare causes of headache in children

Australian Doctor. (2017). How to treat headaches in children.

Blume, K. (2012). Pediatric headache: A review. Pediatrics in Review, 33(12)

International Headache Society. (2018). <u>The International Classification of Headache Disorders, 3rd edition (ICHD-3), Headache Classification Committee of the International Headache Society (IHS)</u>

Resources for patients

Headache Australia Links to an external site.

Murtagh's handouts on migraine and tension headache

Therapeutic Guidelines handout 'Beneficial habits for people with migraine'

The Royal Children's Hospital Melbourne, (2018). Headaches

The Royal Children's Hospital Melbourne, (2018). Migraine headaches

Child and adolescent health resources - continued

Back to index

Newborn issues and the six-week check

Australian Breastfeeding Association (specific article on tongue tie)

Breastfeeding support programs for clinicians and mothers at Possums online

Breastfeeding - common problems on Royal Children's Hospital guidelines

Maternity Matters - Tongue tie

MSD Manual - Evaluation and care of the normal neonate

Purple Crying

Queensland Health - Maternity and neonatal clinical guideline | Routine newborn assessment

Raising Children Network

RCH Clinical Practice Guidelines - Jaundice in early infancy

RCH Clinical Practice Guidelines - Unsettled or crying baby (Colic)

The Royal Women's Hospital Victoria - Tounge tie

From the webinar

Validity of Kessler Psychological Distress Scale (K10) in children and adolescents

What works in youth suicide prevention? A systematic review and meta-analysis

Aboriginal and Torres Strait Islander resources (from the discussion forums)

Growth faltering

Child development concerns (0-5 years) | RPHCM (remotephcmanuals.com.au)

Child and Adolescent Health Service | CAHS - Aboriginal child health resources

RACGP - National guide to a preventive health assessment for Aboriginal and Torres Strait Islander people

Kimberley Clinical Protocols - Growth Faltering

The Royal Children's Hospital Melbourne Clinical Practice Guidelines – Poor Growth

Nutrition and other child health resources

ARF RHD guidelines

Clinical Protocaols and Guideleines - KAHPF:

Child Health including; Anaemia, Ear Problems, Cough, Healthy Kids, Sick Kids, Skin infection.

Chronic disease including; RHD, parasites.

<u>Department of Health 'Get Up and Grow' Resources for Aboriginal and Torres Strait Islander childcare educators, families and carers</u>

NHMRC Aboriginal and Torres Strait Islander Guide to Healthy Eating

Nutrition-Review-Bulletin-2018_Final.pdf (healthbulletin.org.au)

Preventing growth faltering among Australian Indigenous children: implications for policy and practice, MJA 2008

