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WHAT SHOULD WE COVER IN A DIABETES CHECK?

DIABETES CHECK

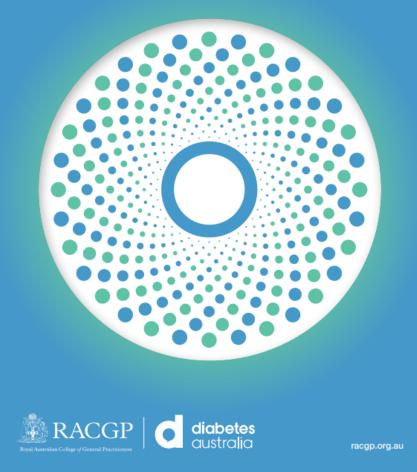
- BP
- BMI
- Diet
- Physical Activity
- Cigarettes
- Alcohol
- Vaccinations

Bloods

- BSL
- HbA1c
- Lipids = cholesterol, HDL, LDL, non HDL
- Triglycerides
- Urine albumin

DIABETES CARE PLANNING

Management of type 2 diabetes: A handbook for general practice



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	Individual goa	als		•
	Encourage all	people with type 2 diabetes to approach/reach these goals.	1	
	Diet	Advise eating according to the Australian dietary guidelines, with attention to quantity and type of food	1	
		Advise individual dietary review for people with difficulty managing weight, difficulty maintaining glucose levels in target range, CVD risk, or if otherwise concerned		
-	BMI	Advise a goal of 5–10% weight loss for people who are overweight or obese with type 2 diabetes		
A] %		For people with BMI >35 kg/m ² and comorbidities, or BMI >40 kg/m ² , consider facilitating greater weight-loss measures		
A	Physical activity	Children and adolescents: at least 60 min/day of moderate-to-vigorous physical activity, plus muscle- and bone-strengthening activities at least three days/week	_	
		Adults: 150 minutes of aerobic activity, plus 2–3 sessions of resistance exercise (to a total ≥60 minutes) per week		
	Cigarette consumption	Zero per day	-	
	Alcohol consumption	Advise ≤2 standard drinks (20 g of alcohol) per day for men and women	-	
	Blood	Advise 4–7 mmol/L fasting and 5–10 mmol/L postprandial	-	
	glucose monitoring	SMBG is recommended for patients with type 2 diabetes who are using insulin. Education should be provided regarding frequency and timing of insulin dose		
		For people not on insulin, the need for and frequency of SMBG should be individualised, depending on type of glucose-lowering medications, level of glycaemic control and risk of hypoglycaemia, as an aid to self-management		
		SMBG is recommended in pregnancy complicated by diabetes or gestational diabetes		

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-	Clinical man	agement goals		<u>ُ</u> ب
	-	ets for people with type 2 diabetes include the following. For a comprehensive list of assessments intervals, refer to the section 'Assessment of the patient with type 2 diabetes'.		
	HbA1c	Target needs individualisation according to patient circumstances Generally \leq 7% (53 mmol/mol)		88
	Lipids	Initiation of pharmacotherapy is dependent on the assessment of absolute CVD risk (refer to the Australian absolute cardiovascular disease risk calculator). This uses multiple risk factors, which is considered more accurate than the use of individual parameters	-	
Ox_		Once therapy is initiated, the specified targets apply; however, these targets should be used as a guide to treatment and not as a mandatory target		
	Total cholesterol	<4.0 mmol/L		
	HDL-C	≥1.0 mmol/L	_	4
	LDL-C	<2.0 mmol/L; <1.8 mmol/L if established CVD is present	-	198
	Non-HDL-C	<2.5 mmol/L	_	
	Triglycerides	<2.0 mmol/L		
	Blood	≤140/90 mmHg		C
	pressure	Lower blood pressure targets may be considered for younger people and for secondary prevention in those at high risk of stroke		Ŀ
		The target for people with diabetes and albuminuria/proteinuria remains <130/80 mmHg. As always, treatment targets should be individualised and monitored for side effects from medications used to lower blood pressure		Ð
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▶ €] ₽]	Blood pressure	S140/90 mmHg Lower blood pressure targets may be considered for younger people and for secondary prevention in those at high risk of stroke The target for people with diabetes and albuminuria/proteinuria remains <130/80 mmHg. As always, treatment targets should be individualised and monitored for side effects from medications used to lower blood pressure
C [A] <i>@</i> ,	Urine albumin excretion	UACR: • women: <3.5 mg/mmol • men: <2.5 mg/mmol Timed overnight collection: <20 μg/min; spot collection: <20 mg/L
	Vaccination BML body mass in	Recommended immunisations: influenza, pneumococcus, diphtheria-tetanus-acellular pertussis (dTpa). Consider: hepatitis B (if travelling), herpes zoster dex; CVD, cardiovascular disease; GPs, general practitioners; HbA1c, glycated haemoglobin; HDL-C, high-density lipoprotein
		tow-density lipoprotein cholesterol; SMBG, self-monitoring of blood glucose; UACR, urine albumin-to-creatinine ratio.
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WHAT IS A CARE PLAN?

- For those new to care plans, they cover a list of areas relevant to the patient's chronic disease.
- For each element a separate goal is set, agreed with the patient
- The provider is also nominated may be GP/nurse/allied health profession
- A full care plan will cover ALL the person's needs, including all relevant chronic diseases.

BOB

- Bob, who works in the office for Australia Post, comes to see you for a diabetes check.
- He is 55 years old and was diagnosed with type 2 diabetes when he was 50. He is taking Metformin SR 1000mg; Atorvasttin 40mg 1 daily). You review his bloods: His HbA1c is 8.2. Lipids - TC 5.2; HDL 0.9; LDL 2.4.TG 3.1, renal function ACR, Urinary Microalbumin all normal. His BMI is 34. P 145/80. He lives by himself, but does have a partner who lives separately with her adolescent children. He is a non smoker. He admits to drinking a few beers at the pub on a Friday and Saturday evening. During the week he makes sure he only has 1 or 2 schooners, because you have advised him in the past that the maximum is 2.
- How would you approach his check?



ALICE

- Alice is 78 and comes to see you for a care plan for the podiatrist. She has had type 2 diabetes for 15 years. She lives with a disabled son.
- She forgot to get the blood tests you asked her to get prior to this visit. She is taking two oral hypoglycemics and according to the records, should be out of both of these, but sounds very vague when you ask her if she needs new scripts. She says she has been running to the toilet more often than usual and would like a pill to stop this happening.
- What do you think is going on here? How would you approach her management and her care plan?



IS THIS COGNITIVE IMPAIRMENT

- Delirium (ie they are sick, eg poorly controlled BSL, unidentified cerebral event)
- Depression
- Drugs (medications)
- Dementia
- These need to be investigated if indicated eg depression scale, medication review, physical examination
- May need specialist review

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	Table 4. Suggested actions and health profess	sionals to provide treatment or service	
_	Suggested actions	Suggested team resource – Who?*	
	Ask		
L_	Symptoms	GP	
C	Goal-setting supporting self-management	GP/practice nurse CDE	
	Cardiovascular issues (eg BP measurement)	GP/practice nurse	
Ou,	Glycaemic control	GP/practice nurse/CDE	
	Assess (inclusive within an annual cycle of care)		
	Risk factors for modification	GP/practice nurse/CDE	
	Weight, height	GP/practice nurse	
	Cardiovascular disease risk assessment	GP/practice nurse	
	Foot examination	GP/podiatrist/practice nurse	

FROM RACGP HANDBOOK

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N	Table 4. Suggested actions and health professionals	to provide treatment or service (cont)		Î
Ē	Suggested actions	Suggested team resource – Who?*		
L_	Presence of other complications, especially hypoglycaemia risk with insulin or sulfonylureas	GP/practice nurse/endocrinologist		88
C	Psychological status	GP/psychologist		
A	Eye examination	GP/optometrist/ophthalmologist		
Ôr,	Dental review	GP/dentist		
	Consider other assessments where appropriate (eg cognitive impairment, obstructive sleep apnoea)	GP/endocrinologist/other specialist (where indicated)		
	Advise			56
	Review smoking, nutrition, alcohol, physical activity (SNAP) profiles, including specific issues	GP/practice nurse/CDE		198
	Nutrition	GP/APD		~
	Physical activity levels	GP/AEP/physiotherapist		
	Pregnancy planning and contraception, including NDSS six-month blood glucose strip access	GP/endocrinologist/obstetrician/CDE/APD		C B
	Driving	GP/endocrinologist/other specialist		Ð
	Immunisation	GP/practice nurse/CDE		Q

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_	Sick day management	GP/practice nurse/CDE		^
	Medication issues	GP/pharmacist/CDE/endocrinologist		
Ē	Self-monitoring blood glucose	GP/CDE/practice nurse		∏ [‡]
L_	Insulin/injectable management	GP/CDE/registered nurse/accredited nurse practitioner/ endocrinologist		88
C	Psychological issues	GP/practice nurse/CDE/psychologist		
	Assist			
Ôr_	Register for NDSS	GP/CDE/nurse practitioner		
	NDSS six-month blood glucose strip access, as appropriate, for people not on insulin, particularly during pregnancy planning	GP/CDE/nurse practitioner		
	General practice management plan and chronic disease management plan	GP/practice nurse		56
	Cultural and psychosocial issues	GP/Aboriginal health worker/social worker/CDE/ psychologist		
	Arrange			\$
	Addition to the practice's diabetes register and recall	GP/practice nurse/practice staff		C
	Organise reviews, including pathology and annual cycle of care	GP/practice nurse		Ŀ
	Driver's licence assessment	GP/practice nurse/endocrinologist (when indicated)		Ð
	AEP, accredited exercise physiologist; APD, accredited practising dietitian; a GP, general practitioner; NDSS, National Diabetes Services Scheme	BP, blood pressure; CDE, credentialled diabetes educator;		Q Q
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