Appendix B. Examples of brief and more extensive guideline recommendations for older people according to the three criteria for CPG recommendations older people.

Guideline name	4th Edition of Clinical Practice Guidelines: Management of Dyslipidemia 2011 [1] Ministry of Health	2012 update of the Canadian Cardiovascular Society guidelines for the diagnosis and treatment of dyslipidemia for the prevention of cardiovascular disease in the adult [2]	New Zealand Primary Care Handbook 2012 (updated 2013): Cardiovascular Disease Risk Assessment [3]	2007 Guidelines for the management of arterial hypertension [4]
developer	Malavsia		New Zealand Guidelines Group	European Society of Cardiology
Available evidence	Increasing age is a major risk factor for CVD and death. () The benefits of lipid lowering therapy for primary prevention in elderly individuals with no other risk factors besides dyslipidaemia are less well established	Practical tip. For patients older than 75 years of age, the Framingham model is not well validated.	Estimating risk: The evidence base to inform recommendations for lipid lowering in primary prevention in the elderly is limited. An assessment of the balance between the harms and benefits of treatment is more difficult in older than in younger people. Older people gain a similar relative benefit from cholesterol lowering, but are more likely to benefit in absolute terms (over the same time period) because of their much higher pre-treatment of cardiovascular risk.	 Box 13 Antihypertensive treatment in the elderly Randomized trials in patients with systolic-diastolic or isolated systolic hypertension aged ≥ 60 years have shown that a marked reduction in cardiovascular morbidity and mortality can be achieved with antihypertensive treatment Drug treatment can be initiated with thiazide diuretics, calcium antagonists, angiotensin receptor antagonists, ACE inhibitors, and b-blockers, in line with general guidelines. Trials specifically addressing treatment of isolated systolic hypertension have shown the benefit of thiazides and calcium antagonists but subanalysis of other trials also shows efficacy of angiotensin receptor

				a - Ir o a y is s t t 8	Intagonists In subjects aged 80 years and Ever, evidence for benefits of Intihypertensive treatment is as Intihypertensive. However, there Is no reason for interrupting a Iuccessful and well tolerated Therapy when a patient reaches 20 years of age.
Barriers to implementation	Global risk assessment using standard risk factors as mentioned earlier is generally less reliable in older persons	One approach is extrapolation of the modified FRS, and this approach identifies most subjects as having intermediate- to high-risk based on age	An assessment of the balance between the harms and benefits of treatment is more difficult in older than in younger people. Older people gain a similar relative benefit from cholesterol lowering, but are more likely to benefit in absolute terms (over the same time period) because of their much higher pre- treatment of cardiovascular risk. However, comorbidity is more common and the time available to derive benefit will be shorter.	- Ir d g c e s r B y m N o p m C D t c t t t t t t t t t t t t t t t t t	nitial doses and subsequent lose titration should be more gradual because of a greater hance of undesirable effects, specially in very old and frail ubjects. BP goal is the same as in ounger patients, i.e. < 140/90 nmHg or below, if tolerated. Aany elderly patients need two or more drugs to control blood pressure and reductions to <140 nmHg systolic may be particularly difficult to obtain. Drug treatment should be ailored to the risk factors, arget organ damage and sociated cardiovascular and pon-cardiovascular conditions hat are frequent in the elderly. Decause of the increased risk of postural hypotension, BP should lways be measured also in the prect posture.

Tailoring to	Clinical judgment and	Though clinical studies are	However, comorbidity is more	Drug treatment should be tailored
older patient	consideration of co-	currently under way to address	common and the time available to	to the risk factors, target organ
	morbid factors, co-	this group, at this point clinical	derive benefit will be shorter.	damage and associated
	existing disease and	judgment is required in	Similarly, the patient's expectations	cardiovascular and non-
	functional age become	consultation with the patient to	should be taken into account in the	cardiovascular conditions that are
	essential in deciding the	determine the value of	shared decisions. Smoking cessation	frequent in the elderly.
	need for drug therapy in	pharmacotherapy	is beneficial at any age.	
	this situation			

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