

CVD: risk assessment and reduction, including lipid modification (update) – escalation of therapy for secondary prevention

Advisory Committee Interests Register

Register last updated: October 2023

Name	Role with NICE	Type of interest	Description of interest	Interest arose	Interest declared	Interest ceased	Comments
Nigel Beckett	Committee member	Direct financial	Consultant Physician in Ageing and Health, Guys and St Thomas' NHS Foundation Trust	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Nigel Beckett	Committee member	Direct financial	Share Portfolio (inherited) that includes the following health care related companies: <ul style="list-style-type: none"> • Mallinckrodt Pharmaceuticals – predominately US based • Medtronic – Medical devices • Smith & Nephew (UK) - Medical devices 	1999	March 2021	Ongoing	Non-specific No action needed other than process of open declaration

Nigel Beckett	Committee member	Direct non-financial professional and personal	Member of the British Geriatric Society CV special interest group.	2020	8.9.22	Ongoing	Specific Declare and remain The special interest group's remit is relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.
Nigel Beckett	Committee member	Direct non-financial professional and personal	Member of Data & Safety Monitoring Board for REducing Cognitive decline and dementiA by Lowering bLood pressure (RECALL) trial. This is a de-centralised clinical trial of an Investigational Medicinal Product (IMP) (phase 3-4) to investigate blood pressure lowering for the prevention of mild cognitive impairment and dementia in older adults. It will recruit in Australia only.	February 2023	30.3.23	Ongoing	Non-specific No action needed other than process of open declaration
Nigel Beckett	Committee member	Direct non-financial professional and personal	Member of Data & Safety Monitoring Board for INTEGRITY (INTErgenerational intervention to Reduce frailITY) trial. This is randomised trial of	March 2023	30.3.23	Ongoing	Non-specific No action needed other than process of open declaration

			intergenerational practice – purposely bringing older adults and young children together in a multifactorial intervention with a view to assess potential to reduce frailty.				
Beverley Bostock	Committee member	Direct financial	Advanced Nurse Practitioner in long-term conditions, Mann Cottage Surgery, Moreton in Marsh	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Beverley Bostock	Committee member	Direct financial	PCN Nurse Lead	July 2021	On appointment	Ongoing	Non-specific No action needed other than process of open declaration
Beverley Bostock	Committee member	Direct financial	Director of Godiva Primary Care Training Ltd, working with Training Hubs, Local Medical Committees, Local Pharmacist Committees, and pharmaceutical companies to provide training to primary care clinicians. Pre-agreed talks include 2 talks funded by Novartis in	2007 date of incorporation, started trading January 2013	On appointment	Ongoing	Specific Although some training provided is on topics, and for companies, directly related to the guideline update, all training provided is evidence based. It was agreed on appointment that no further funding would be taken

			February and March 2023 on the topic of when and how to initiate inclusion.				from companies directly related to the guideline topic during the duration of involvement on the committee. With this condition the action is agreed as declare and remain.
Beverley Bostock	Committee member	Direct financial	Editor in Chief of Practice Nurse Journal	January 2019	On appointment	Ongoing	Non-specific No action needed other than process of open declaration
Beverley Bostock	Committee member	Direct non-financial professional and personal	Council member of the Primary Care Cardiovascular Society	March 2016	On appointment	Ongoing	Specific Declare and remain The society's interests are relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.
Beverley Bostock	Committee member	Direct non-financial professional and personal	Ethics committee member for the British Cardiology Society	Jan 2023	On appointment	Ongoing	Specific Declare and remain The society's interests are relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.

Chris Clark	Committee member	Direct financial	Clinical Senior Lecturer in Primary Care, University of Exeter Medical School	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in an academic institution
Chris Clark	Committee member	Direct non-financial professional and personal	I chair the Royal College of General Practitioners Rural Forum Steering Group. We exist to support rural practice and to “rural proof” policy and initiatives https://www.rcgp.org.uk/rcgp-near-you/faculties/rural-forum.aspx	2009	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Chris Clark	Committee member	Direct non-financial professional and personal	I am a member of the British and Irish Hypertension Society. The Society comprises doctors, nurses and other healthcare workers specialising in the delivery of care in hypertension and allied fields, together with clinicians and scientists in the forefront of cardiovascular research. I was an	2008	March 2021	Ongoing	Specific Declare and remain The society’s interests are relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.

			Executive board member from 2016 to 2019. I currently sit on the blood pressure measurement working party and the collaborative research working party https://bihsoc.org/				
Chris Clark	Committee member	Direct non-financial professional and personal	I am a member of the Society for Academic Primary Care. I recently founded the Society's Cardiovascular Research Special Interest Group https://sapc.ac.uk/special-interest-group/cardiovascular-research-group	2011	March 2021	Ongoing	Specific Declare and remain The society's interests are relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.
Chris Clark	Committee member	Direct financial	"The polyvascular patient" a short term information project addressing PAD awareness funded by a fixed consultancy fee from Bayer AG	3 March 2021	Hypertension GC1 (1.7.21)	2022	Specific Declare and remain Peripheral arterial disease is one of the conditions included in the definition of CVD, however the work of the advisory group does not pose a conflict to the topics under consideration in the guideline. Bayer do not produce products under

							consideration in this update.
Chris Clark	Committee member	Direct financial	ReCor medical – short term consultancy supporting cost effectiveness analysis of PARADISE Renal Denervation System	7 May 2021	Hypertension GC1 (1.7.21)	2022	Non-specific No action needed other than process of open declaration
Chris Clark	Committee member	Direct non-financial professional and personal	<p>Relevant publications (with reasons)</p> <p>Systolic blood pressure and outcomes in frail older adults. Masoli JAH, Todd OM, Clark CE Br J Hosp Med. 2021. https://doi.org/10.12968/hmed.2021.0181 pub online 26th May 2021 (expresses view on blood pressure targets)</p> <p>Trends in the diagnosis and organisation of care for hypertension over nine years in Primary Care in South West England Mejzner N, Clark CE, Smith LFP, Campbell JL Br J Gen Pract 2017; DOI: https://doi.org/10.3399/bjgp17X690461</p>	2010	Hypertension GC2 (9.8.21)	Ongoing	Non-specific No action needed other than process of open declaration

			<p>(cited in current NICE hypertension guideline evidence review)</p> <p>Association of a difference in systolic blood pressure between arms with vascular disease and mortality: a systematic review and meta-analysis Clark CE, Taylor RS, Shore AC, Ukoumunne OC, Campbell JL Lancet 2012; 379 (9819): 905-914</p> <p>(cited in multiple international hypertension guidelines)</p> <p>Nurse led interventions used to improve control of blood pressure in patients with hypertension: A systematic review and meta-analysis Clark CE, Smith LFP, Taylor R, Campbell JL. BMJ 2010;341:c3995</p> <p>(cited in multiple international hypertension guidelines)</p>				
Chris Clark	Committee member	Indirect financial	Translating inter-arm blood pressure difference measurement into	2021	Hypertension GC2 (9.8.21)	2022	Non-specific

			practice: Principal Investigator NIHR National School for Primary Care Research				No action needed other than process of open declaration
Chris Clark	Committee member	Indirect financial	Optimising structured medication reviews: A real-time observational cohort study with integrated qualitative evaluation: Co-applicant National NIHR ARC Multimorbidity call	2021	Hypertension GC2 (9.8.21)	2024	Non-specific No action needed other than process of open declaration
Chris Clark	Committee member	Indirect financial	Facilitating access to online NHS primary care services - current experience and future potential; Co-applicant NIHR Crossprogramme Programme: Call 18/89 Digital Technologies to Improve Health and Care	2019	Hypertension GC2 (9.8.21)	2022	Non-specific No action needed other than process of open declaration
Chris Clark	Committee member	Direct non-financial professional and personal	Published paper: Associations Between Systolic Interarm Differences in Blood Pressure and Cardiovascular Disease Outcomes and Mortality (ahajournals.org)	2021	4.5.22	Ongoing	Non-specific No action needed other than process of open declaration

Chris Clark	Committee member	Direct non-financial professional and personal	Published paper: Inter-arm blood pressure difference and cardiovascular risk estimation in primary care BJGP Open	6 April 2022	4.5.22	Ongoing	Non-specific No action needed other than process of open declaration
Chris Clark	Committee member	Direct non-financial professional and personal	My group recently derived and validated a cardiovascular risk prediction model in research funded by National Institute for Health Research, Research for Patient Benefit Programme (PB-PG-0215-36009). Published in 2021, This model is being presented as “2021 Best Clinical Paper” today (8/9/22) at AHA Sessions, San Diego Clark CE, Warren FC, Boddy K, McDonagh STJ, Moore SF, Goddard J et al. Associations Between Systolic Interarm Differences in Blood Pressure and Cardiovascular Disease Outcomes and Mortality.	8.9.22	8.9.22	Ongoing	Non-specific No action needed other than process of open declaration

			<p>Individual Participant Data Meta-Analysis, Development and Validation of a Prognostic Algorithm: The INTERPRESS-IPD Collaboration. Hypertension 2021; 77: 650-661.</p> <p>See also McDonagh STJ, Norris B, Fordham J, Greenwood MR, Richards S, Campbell J et al. Inter-arm blood pressure difference and cardiovascular risk estimation in primary care. BJGP Open 2022: BJGPO.2021.0242.</p> <p>To my knowledge, this model was not included in the evidence reviews for this guideline update.</p>				
Chris Clark	Committee member	Direct non-financial professional and personal	Provided consultation comments to NICE surveillance on postural hypotension research and renal denervation.	Oct 2022	16.2.23	Oct 2022	Non-specific No action needed other than process of open declaration
Chris Clark	Committee member	Direct non-financial	Contributed to the Canadian Task Force on Preventative Healthcare	2021	11.5.23	2023	Non-specific

		professional and personal	guideline update process and a named author on the protocol for searching for the evidence to update the guideline. The manuscript is currently in submission. This concludes my involvement.				No action needed other than process of open declaration
Hugh Gallagher	Committee member	Direct financial	Consultant Nephrologist, Epsom and St Helier NHS Trust	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Hugh Gallagher	Committee member	Direct financial	Provision of private practice services in nephrology fully reflecting my NHS practice.	2006	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Hugh Gallagher	Committee member	Indirect financial	Research Grant. Aspirin to Target Arterial Events in CKD - Cl. £3.9m awarded by NIHR/British Heart Foundation	2018	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Hugh Gallagher	Committee member	Direct non-financial	Co-Chair of Kidney Health Partnership Board (where kidney stakeholder organisations review	2014	March 2021	Ongoing	Non-specific

		professional and personal	progress against 2013 Kidney Health: Delivering Excellence Report and interface with arms-length delivery bodies)				No action needed other than process of open declaration
Hugh Gallagher	Committee member	Direct non-financial professional and personal	Contributing clinical advisor on the NICE Technology Appraisal on Dapagliflozin for treating CKD.	2021	March 2021	2022	Non-specific No action needed other than process of open declaration
Hugh Gallagher	Committee member	Direct non-financial professional and personal	Membership of Steering Group for London CKD Network Prevention Work stream	April 2021	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Hugh Gallagher	Committee member	Direct financial	Attended Journal Club for a journal presentation from a junior doctor on an unrelated topic, reasonable subsistence (sandwich lunch) provided by Astellas.	24.6.2022	8.9.22	24.6.2022	Non-specific No action needed other than process of open declaration Reasonable attendance costs
Hugh Gallagher	Committee member	Direct non-financial professional and personal	I attended an AstraZeneca short talk on SGLT2i at a renal meeting, reasonable subsistence was provided.	30.6.23	31.7.23	30.6.23	Non-specific No action needed other than process of open declaration
Mark Glover	Committee member	Direct financial	Associate Professor & Honorary Consultant Physician, University of	Interest arose more	On appointment	Ongoing	Non-specific No action needed other than process of open

			Nottingham and Nottingham NHS University Trust	than 12 months before appointment			declaration - salaried employment in the NHS
Mark Glover	Committee member	Direct non-financial professional and personal	Clinical Pharmacologist and General Physician to NICE Technology Appraisal Committee B	1.4.2016	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Mark Glover	Committee member	Direct non-financial professional and personal	Clinical Pharmacologist to MHRA Expert Advisory Group on Pharmacovigilance	1.4.2018	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Mark Glover	Committee member	Direct non-financial professional and personal	Member of the British and Irish Hypertension Society and its executive committee	2010	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain The society's interests are relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.
Mark Glover	Committee member	Direct non-financial professional and personal	Membership of NHS England Hypertension Expert Advisory Group	1.6.2020	Hypertension GC1 (1.7.21)	Ongoing	Non-specific No action needed other than process of open declaration.

Satwinder Kaur	Committee lay member	Direct financial	Royal College of Psychiatrists - patient/carer representative.	May 2018	21.3.22	Ongoing	Non-specific No action needed other than process of open declaration.
Satwinder Kaur	Committee lay member	Direct financial	Royal College of Psychiatrists - NCCMH Equality Advisory Group Patient Representative	November 2021	21.3.22	November 2023	Non-specific No action needed other than process of open declaration.
Satwinder Kaur	Committee lay member	Direct financial	NHS Improvement National patient safety collaborative - patient/carer representative	December 2021	21.3.22	Ongoing	Non-specific No action needed other than process of open declaration.
Satwinder Kaur	Committee lay member	Direct financial	Royal College of Psychiatrists NCCMH Patient/carer representative updating IAPT policy to review minority ethnic inequalities.	March 2022	21.3.22	March 2023	Non-specific No action needed other than process of open declaration.
Paul Leeson	Committee member	Direct financial	Professor of Cardiovascular Medicine & Honorary Consultant Cardiologist, John Radcliffe Hospital, Oxford	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in an academic institution

Paul Leeson	Committee member	Direct financial	Private Medical Practice fully reflecting my NHS practice.	2011	March 2021	Ongoing	Specific Declare and remain Direct financial interest, but the individual works predominantly in the NHS and the private practice is provided on a sessional basis and mirrors NHS activity.
Paul Leeson	Committee member	Direct financial	Founder, shareholder and non-executive director of Ultromics, a healthcare imaging company	2017	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Paul Leeson	Committee member	Direct non-financial professional and personal	Filed patents in the field of cardiovascular imaging	2016	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Paul Leeson	Committee member	Direct financial	Book royalties from cardiology training handbooks: Oxford University Press Specialist Handbooks on Echocardiography, Pacing and Cardiovascular Imaging	2007	March 2021	Ongoing	Non-specific No action needed other than process of open declaration

Paul Leeson	Committee member	Indirect financial	<p>Research interests and grants in the field of Hypertension:</p> <ul style="list-style-type: none"> • BHF – Supervisor on Clinical Research Training Fellowship for Dr Annabelle Frost (3 years): ‘Role of tetrahydrobiopterin in the pathophysiology and long term complications of preeclampsia: a randomised controlled trial in mothers and offspring’ (FS/CRTF/20/24060) - £327,899 • BHF – Supervisor on Clinical Research Training Fellowship for Dr Jamie Kitt (3 years): ‘Cardio- and cerebrovascular remodelling after hypertensive pregnancy: assessing the impact of post-partum blood pressure control’ 	2013	March 2021	Ongoing	<p>Non-specific No action needed other than process of open declaration</p>
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			<p>(FS/19/7/34148) - £357,600</p> <ul style="list-style-type: none"> • BHF – Supervisor on Basic Science Intermediate Research Fellowship for Dr Adam Lewandowski (5 years): ‘Cardiac remodelling in preterm-born offspring: defining the importance of early postnatal changes and potential for neonatal dietary interventions to reduce long-term risk’ (FS/18/3/33292) - £658,359 • BHF – Principal Investigator on Project Grant (3 years): ‘Adult preterm cerebrovascular phenotype and influence of cardiovascular fitness’ (PG/17/13/32860) - £296,684 • BHF – Co-applicant on Project Grant (3 year): ‘Regulation of uteroplacental vascular remodelling 				
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			<p>by maternal endothelial cell tetrahydrobiopterin: Role in pre-eclampsia and programmed cardiovascular risk in mothers and offspring' (PG/19/48/34433) - £289,945</p> <ul style="list-style-type: none"> • Wellcome Trust – Sponsor on Clinical Research Career Development Fellowship for Dr Alistair Webb (5 years): 'Reducing risk of recurrent stroke and cognitive decline after TIA and stroke through characterisation and treatment of novel physiological markers' (206589/Z/17/Z) - £745,578 • Wellcome Trust – Co-applicant on International Training Fellowship for Dr Modou Jobe (3 years): 'Mechanisms, target organ damage and innovative screening approaches in 				
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			<p>hypertension in sub-Saharan Africa' (216451/Z/19/Z) - £302,255</p> <ul style="list-style-type: none"> • NIHR – Co-applicant on Programme Grant for Applied Research (5 years): 'Optimising the monitoring and management of raised blood pressure during and after pregnancy' (RP-PG-0614-20005) - £2,498,512 • NIHR – Co-applicant on Doctoral Training Fellowship for Dr Robert Hatch (3 years): 'Long-term cardiovascular outcomes among survivors of critical illness' - £360,823 • NIHR Oxford Biomedical Research Centre – Subtheme PI (Cardiovascular Theme) (5 years): 'Risk stratification in early hypertension' – £144,175 				
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Paul Leeson	Committee member	Direct non-financial professional and personal	Member of Professional Associations with an interest in Hypertension and Cardiovascular Prevention including British and Irish Hypertension Society, British Cardiovascular Society and European Association of Preventive Cardiology.	Since 2007	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain The society's interests are relevant to the guideline topic, however clear statements have not been made on areas to be covered in this update.
Paul Leeson	Committee member	Indirect financial	PI on a Clinical Trial Agreement with Merck et Cie for provision of a supplement to be used within a BHF-funded study 'Clinical Randomised Antenatal Study to Characterise Key Roles of Tetrahydrofolate in Hypertensive Pregnancies'.	May 2022	20.6.22	Ongoing	Non-specific No action needed other than process of open declaration.
Paul Leeson	Committee member	Direct financial	Speaker at ESC Preventive Cardiology meeting, Malaga 2023, accommodation paid for by ESC, gave presentation on 'AI and databases' in relation to cardiovascular prevention and a recent position statement from the EAPC/ESC about	13/04/2023	30.3.23	14/04/2023	Non-specific No action needed other than process of open declaration Reasonable attendance costs

			Hypertension in Children that I co-authored.				
Joseph Mills	Committee Chair	Direct financial	Consultant Cardiologist, Liverpool Heart & Chest Hospital	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Joseph Mills	Committee Chair	Direct financial	Private practice in cardiology fully reflecting my NHS practice.	2008	March 2021	Ongoing	Specific Declare and remain Direct financial interest, but the individual works predominantly in the NHS and the private practice is provided on a sessional basis and mirrors NHS activity.
Joseph Mills	Committee Chair	Direct non-financial professional and personal	Chair – NHSE Expert Advisory Group- Cardiac Rehabilitation	December 2019	Hypertension GC1 (1.7.21)	Ongoing	Non-specific No action needed other than process of open declaration
Joseph Mills	Committee Chair	Direct non-financial professional and personal	UK National CVD Prevention Coordinator - joint role with British Cardiovascular Society and the ESC	December 2018	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain The topic is directly relevant, however the work

							of the advisory group does not pose a conflict to the topics under consideration in the guideline.
Joseph Mills	Committee Chair	Direct non-financial professional and personal	British Association for Cardiovascular Prevention & Rehabilitation Standards & Core Components (update 2021) – member of the writing committee	January 2021	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain The topic is directly relevant, however the work does not pose a conflict to the topics under consideration in the guideline.
Joseph Mills	Committee Chair	Direct non-financial professional and personal	As part of my role as UK CVD Prevention Co-ordinator – which is a BCS/ESC role – attended the ESC Prevention Co-ordinators meeting in Malaga at the ESC Preventive Cardiology congress on 13/4/23 at my own expense.	13/04/2023	30.3.23	14/04/2023	Specific Declare and remain The topic is directly relevant, however the work of the coordinators does not pose a conflict to the topics under consideration in the guideline.
Joseph Mills	Committee Chair	Direct financial	Co-presented a GP educational webinar “Cardiovascular disease masterclass”, organised by “Issues & Answers in Primary Care” (the educational arm of the	10.5.23	11.5.23	10.5.23	Non-specific No statements were made on areas to be covered in this update.

			primary care cardiovascular journal). Received an honorarium for his time preparing the case study and giving the presentation.				No action needed other than process of open declaration.
Riyaz Patel	Committee Topic Advisor	Direct financial	Professor of Cardiology & Consultant Cardiologist, Bart's Health and UCLH NHS Trusts	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Riyaz Patel	Committee Topic Advisor	Direct financial	Private practice. I have a limited company (Seth Medical Ltd, of which I am the sole director) through which I manage a small private practice, seeing patients with general cardiology and lipid management problems, on an ad hoc basis and fully reflecting my NHS practice. I also report cardiac CT and Echocardiography tests, again reflecting my NHS practice.	1/03/2020	March 2021	Ongoing	Specific Declare and remain Direct financial interest, but the individual works predominantly in the NHS and the private practice mirrors NHS activity.

Riyaz Patel	Committee Topic Advisor	Direct financial	Level 2 Cardiac CT training course. I am a faculty member for this course run by JCA, which teaches doctors how to report cardiac CT scans. I teach one session out of 10 and am remunerated for my time.	01/07/2016	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Founder and chair of the East London CVD Prevention Group (ELoPE), a multidisciplinary collaborative of clinicians, primary care and public health doctors, representatives from NHS England and charities such as the BHF, whose aim is to reduce the burden of CVD in East London by implementing evidence based care – including NICE guidance	1/2016	March 2021	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.
Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Professor of cardiology at UCL, with a research focus on CVD risk, especially subsequent event risk	10/2020	March 2021	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.

Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Lead for the North London Operational Delivery Network CVD Prevention group, to coordinate CVD prevention across North London on behalf of NHSE	07/2020	March 2021	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.
Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Member of the Pan London familial hypercholesterolaemia steering group (NHSE)	10/2019	March 2021	Ongoing	Non-specific Declare and remain No action needed other than process of open declaration
Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Member of the Pan London CVD Prevention group (NHSE)	10/2020	March 2021	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.
Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Secondary care lead for the NEL ICS, responsible for overseeing CVD care in NE London, which includes CVD prevention programmes	12/2021	March 2021	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.
Riyaz Patel	Committee Topic Advisor	Indirect financial	Joint working initiative between Barts Health NHS Trust and Astra Zeneca – funding from industry, with matched funding from the trust to	04/2021	March 2021	04/2022	Specific Declare and remain Directly relevant, however the work of the initiative does not pose a conflict to

			support work in the community to enable pharmacists to review patients and improve patient's medication dosing after a heart attack in line with NICE guidance. Delayed start – due to COVID. I am named on this application. Paid to the hospital trust, no personal costs or payments.				the topics under consideration in the guideline. Funding is received by the trust.
Riyaz Patel	Committee Topic Advisor	Indirect financial	Joint working initiative between Barts Health NHS Trust and Astra Zeneca - funding from industry, with matched funding from the trust to improve secondary prevention for heart attack patients and to improve early heart failure detection and management. This funding was to appoint a specialist pharmacist in the trust to focus on heart attack patient care and medication optimization. I am named on this application. Paid to the	07/2020	March 2021	07/2022	Specific Declare and remain Directly relevant, however the work of the initiative does not pose a conflict to the topics under consideration in the guideline. Funding is received by the trust.

			hospital trust, no personal costs or payments.				
Riyaz Patel	Committee Topic Advisor	Indirect financial	Pathway Transformation Fund, awarded by the AAC. A grant from the Office of Life Sciences, to improve lipid management in Redbridge. I am lead PI. Funding supports a pharmacist and other related costs. I do not receive any payments from this. Paid to the hospital trust, no personal costs or payments.	08/2021	March 2021	08/2022	Specific Declare and remain Directly relevant, however the work does not pose a conflict to the topics under consideration in the guideline. Funding is received by the trust.
Riyaz Patel	Committee Topic Advisor	Direct non-financial professional and personal	Provided an academic opinion upon request, on a study on statin intolerance to the Science and Media Centre. Quote picked up by Guardian newspaper. https://www.sciencemediacentre.org/expert-reaction-to-study-looking-at-statin-intolerance/	16/02/2022	21.3.22	16/02/2022	Non-specific No action needed other than process of open declaration
David Preiss	Committee member	Direct financial	Associate Professor & Honorary Consultant in Metabolic Medicine, University of Oxford	Interest arose more than 12 months before	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried

				appointment			employment in an academic institution
David Preiss	Committee member	Indirect financial	Chief Investigator and joint grant holder on the ASCEND PLUS trial of GLP1 receptor agonist, oral semaglutide (funding paid by Novo Nordisk to University of Oxford, no personal funding and no salary support)	April 2021	On application (February 2022)	Ongoing	Non-specific No action needed other than process of open declaration
David Preiss	Committee member	Indirect financial	Investigator and joint grant holder on ORION-4 trial of PCSK9 synthesis inhibitor, inclisiran (funding paid by Novartis to University of Oxford, no personal funding and no salary support)	January 2018	On application (February 2022)	Ongoing	Specific Declare and remain Directly relevant, however the work does not pose a conflict to the topics under consideration in the guideline as this update will not update the associated technology appraisals including TA733. Funding is received by the university.
David Preiss	Committee member	Indirect financial	Investigator and joint grant holder on EMPA-KIDNEY trial of SGLT2 inhibitor, empagliflozin (funding paid by Boehringer Ingelheim to University of Oxford, no	April 2018	On application (February 2022)	Ongoing	Non-specific No action needed other than process of open declaration

			personal funding and no salary support)				
David Preiss	Committee member	Direct non-financial professional and personal	Chief Investigator on LENS trial for which Mylan has provided fenofibrate and placebo tablets free of charge (but no funding)	August 2017	On application (February 2022)	Ongoing	Non-specific No action needed other than process of open declaration
David Preiss	Committee member	Direct non-financial professional and personal	Member of Cholesterol Treatment Trialists' Collaboration secretariat; ongoing IPD meta-analyses of various adverse events across major statin trials	January 2019	On application (February 2022)	Ongoing	Non-specific No action needed other than process of open declaration
David Preiss	Committee member	Direct non-financial professional and personal	Publication: Effect of statin therapy on muscle symptoms: an individual participant data meta-analysis of large-scale, randomised, double-blind trials. Cholesterol Treatment Trialists' Collaboration, Clinical Trial Service Unit and Epidemiological Studies Unit, Nuffield Department of Population Health, University of Oxford, Oxford OX3 7LF, UK ctt@ndph.ox.ac.uk Published Online August	August 2022	8.9.22	Ongoing	Non-specific No action needed other than process of open declaration

			29, 2022 https://doi.org/10.1016/S0140-6736(22)01545-8				
Ruth Price	Committee member	Direct financial	Advanced Clinical Pharmacist for Cardiovascular Services, Leeds Teaching Hospitals NHS Trust and then seconded in November 2022 to primary care for 6 months for heart failure therapy roll out in primary care in Leeds, this is funded by main employer - Leeds Teaching Hospitals Trust.	Interest arose more than 12 months before appointment	On appointment	June 2023	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Ruth Price	Committee member	Direct non-financial professional and personal	Secretary of UK Clinical Pharmacy Association (UKCPA) Cardiovascular committee	June 2021	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.
Ruth Price	Committee member	Direct non-financial professional and personal	I run a post Myocardial Infarction (MI) medicines optimisation clinic to review patients cardiovascular risk factors and optimise medicines post MI. It was set up in approximately 2014, I started in phase 2 of the	2017	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.

			project in 2017 and it is now part of my NHS job plan. I am writing a paper about this clinic for journal publication as part of the Joint Working initiative.				
Ruth Price	Committee member	Direct non-financial professional and personal	As a member of the UKCPA (UK Clinical Pharmacy Association) Cardiac committee, I provided feedback to the AHSN for a lipid optimisation secondary prevention of cardiovascular disease pathway. The UKCPA committee have endorsed this pathway published by the AHSN in March 2023: Lipid Optimisation Pathway for Secondary Prevention in Primary Care Web link: Weekly Forum (ahsnnetwork.com) .	March 2023	9.3.23	Ongoing	Specific Declare and remain Directly relevant, however the work does not pose a conflict to the topics under consideration in the guideline as the response was a contribution to the UKCPA overall response, within which the committee member does not hold a position of office. Furthermore, this update will not develop a pathway of lipid treatment options.
Ruth Price	Committee member	Direct financial	Attended an AstraZeneca sponsored meal on 7 February 2023 educational event - presentations and a panel discussion "Simplifying the	February 2023	9.3.23	February 2024	Non- specific Reasonable subsistence No action needed other than process of open declaration

			management of heart failure across a range of ejection fractions”.				
Ruth Price	Committee member	Direct non-financial professional and personal	Lead author for a paper “Developing a post-myocardial infarction medicines optimisation clinic: core competencies for upskilling pharmacists and initial patient feedback” published in BMJ Open Quality in April 2023.	April 2023	11.5.23	Ongoing	Non-specific No action needed other than process of open declaration
Sharon Seber	Committee member	Direct financial	Employed as an Advanced Nurse Practitioner by Arcadian Gardens GP surgery.	May 2023	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Sharon Seber	Committee member	Direct financial	Employee of North Central London ICB as clinical lead for Long-term conditions/Live well lead	April 2023	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Eduard Shantsila	Committee member	Direct financial	Senior Clinical Lecturer in Primary Care and Mental Health, Department of Primary Care and Mental Health, University of Liverpool (full-time)	Interest arose more than 12 months before	On appointment	Ongoing	Non-specific No action needed other than process of open declaration – salaried

				appointment			employment in an academic institution
Eduard Shantsila	Committee member	Direct financial	Salaried GP role in Brownlow Health GP Partnership, Liverpool (50% role with the full-time post above)	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration GPs (partner, salaried or locum) with a general interest in the topic through the provision of primary care services are not seen as holding a conflict of interest as there is no scope to personally financially gain from the committee's recommendations
Eduard Shantsila	Committee member	Direct non-financial professional and personal	Member of the Regional Advisory Committee (RAC) for the RfPB North West region	01/07/2022	On appointment	01/07/2024	Non-specific No action needed other than process of open declaration
Eduard Shantsila	Committee member	Direct non-financial professional and personal	Member of the Non-Interventional Sponsorship Sub-Committee of Liverpool Health Partners SPARK (Single Point of Access to Research and Knowledge)	05/07/2022	On appointment	Ongoing	Non-specific No action needed other than process of open declaration

Eduard Shantsila	Committee member	Direct non-financial professional and personal	Nuclei member and Secretary of the Primary Care and Risk Factor Management Section of the European Society of Preventative Cardiology	08/08/2022 secretary from 18/10/2022	On appointment	07/08/2024	Specific Declare and remain The society's remit is directly relevant to the guideline topic, however clear statements have not been made that pose a conflict to areas to be covered in this update.
Eduard Shantsila	Committee member	Direct non-financial professional and personal	Chair the Scientific committee for the Society of Academic Primary Care 2023 Annual Society Meeting in Brighton	12/10/2022	On appointment	July 2023	Specific Declare and remain The society's remit is directly relevant to the guideline topic, however the work does not pose a conflict to areas covered in this update.
Eduard Shantsila	Committee member	Indirect financial	Consultancy for Medi Whale company (Korea/Singapore), for which £1000 was paid to the University of Liverpool consultancy account. The company develops retina-based risk prediction tools (including CVD).	23/05/2022	On appointment	30/06/2022	Non-specific No action needed other than process of open declaration

Eduard Shantsila	Committee member	Indirect financial	Medi Whale company (Korea/Singapore) agreed to support the University of Liverpool Faculty Supported Studentship (FSS), with a planned contribution of about a third of the overall costs of a data science PhD student for a project "Opening the black box' of deep learning-based cardiovascular risk prediction using retinal photography". I was not the person solicited the support, but I am the planned primary supervisor.	FSS approved on 13/07/2022 Student intends to start 3-year PhD in January 2023	On appointment	2026	Non-specific No action needed other than process of open declaration
Eduard Shantsila	Committee member	Direct non-financial professional and personal	Educational talk, 'Secondary stroke prevention', at a Webinar organised by the Council of Stroke (European Society of Cardiology). I was invited by the course director Dr Proietty and did not receive any financial support for this work and did not have any industry interactions/influences when preparing it. However, Bayer AG was	12/12/2022	On appointment	12/12/2022	Specific Declare and remain Topic is directly relevant to the area being updated in the guideline, but does not post a conflict as talk was educational based on current evidence.

			listed as Webinar Sponsor (I am unaware of any arrangements regarding this).				
Eduard Shantsila	Committee member	Indirect financial	DynAIRx: AIs for dynamic prescribing optimisation and care integration in multimorbidity. NIHR-AIM NIHR203986). £2,807,430 [Co-applicant]	03/10/2022	On appointment	2/10/2025	Non-specific No action needed other than process of open declaration
Eduard Shantsila	Committee member	Direct financial	ESC Preventive Cardiology 2023, Malaga, Spain The organisers will pay the costs of my flights and accommodation because of my role as secretary of the Primary Care and Risk Factor Management Section and chairing several presentation sessions. I gave two presentations: One was a report based an NIHR/NHS funded study: 'Community echocardiographic left ventricular hypertrophy and mortality in South	13/04/2023	30.3.23	15/04/2023	Non-specific No action needed other than process of open declaration Reasonable attendance costs

			Asians in the UK: E-ECHOES study.'				
			Second was a 5 min summary of the previous day's presentations in primary care sessions: "What did you miss yesterday?"				
Eduard Shantsila	Committee member	Direct financial	European Society of Cardiology (ESC) Plenary Meeting on "THE FUTURE OF CLINICAL TRIALS: TOWARDS DIVERSITY on how to support the inclusion of various underrepresented groups (mainly women and ethnic minority groups) in research overall and particularly in clinical trials. The organisers (European Society of Cardiology) covered the costs of the hotel for two nights and contributed to the travel costs (economy flights from Manchester to Vienna with airport transfer).	05/07/2023	31.7.23	06/07/2023	Non-specific No action needed other than process of open declaration Reasonable attendance costs

			In the ESC, I represent the Primary Care and Risk Factor Management Section (secretary of the section) of the European Association of Preventative Cardiology, which is part of the ESC.				
Wayne Sunman	Committee member	Direct financial	Consultant Stroke Physician, City Hospital Campus of Nottingham University Hospitals NHS Trust	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Wayne Sunman	Committee member	Direct non-financial professional and personal	Member of the BIHS Guideline Committee. The aims of this committee are coincident with those of NICE.	2016	March 2021	Ongoing	Specific Declare and remain This is a direct interest, but with no clear financial benefit to the person.
Wayne Sunman	Committee member	Direct non-financial professional and personal	Member of Action on Salt and Health. I hold no specific office. This group is keen to reduce the amount of dietary salt/sodium.	2010	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Wayne Sunman	Committee member	Direct non-financial	I have contributed a book chapter 2 years ago on	2019	March 2021	Ongoing	Non-specific

		professional and personal	hypertension in the older patient. I am quite happy to change any views expressed in this work in the light of the evidence unearthed during the NICE review process.				No action needed other than process of open declaration
Wayne Sunman	Committee member	Direct financial	Attended a meal funded by Novartis. Presentations on the regulatory position of inclisiran and the rationale, practicalities and economics of administering it, by a stroke physician, a cardiologist and a clinical chemist working at my Trust.	25.7.23	31.7.23	25.7.23	Specific No action needed other than process of open declaration Reasonable attendance costs
Colin Wilkinson	Committee lay member	Direct financial	Public Advisory Board Member, Health Data Research UK (Paid by HDR UK a small sum to attend each meeting or complete tasks, in line with INVOLVE rates)	January 2019	March 2021	January 2022	Non-specific No action needed other than process of open declaration
Colin Wilkinson	Committee lay member	Direct financial	NIHR Academy Committee Member (paid by NIHR to attend selection panels, in line with INVOLVE)	1/4/21	March 2021	31/3/22 initially	Non-specific No action needed other than process of open declaration

Colin Wilkinson	Committee lay member	Direct financial	Part of a consortium of 11 universities led by University of Bath applying to join the Advanced Pain Discovery Platform as a consortium, paid slightly over INVOLVE rates to lead the consortium's PPI groups and join exec committee & steering committee.	July 2021	March 2021	June 2024	Non-specific No action needed other than process of open declaration
Colin Wilkinson	Committee lay member	Direct financial	Phenomix for People Group Chair, part of HDR UK, but paid by UCL, in line with INVOLVE	Dec 2020	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Colin Wilkinson	Committee lay member	Direct financial	Member of HDR UK Better Care North Oversight Board and Core PPI Group, paid by Uni of Liverpool	October 2020	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Colin Wilkinson	Committee lay member	Direct financial	Co-opted lay member of NICE Medicines associated with dependence or withdrawal symptoms: safe prescribing and withdrawal management for adults guideline committee (paid by RCP in line with INVOLVE)	July 2021	March 2021	January 2022	Non-specific No action needed other than process of open declaration

Colin Wilkinson	Committee lay member	Direct non-financial professional and personal	Board Member, Healthwatch Stockton-on-Tees	Jan 2020	March 2021	Jan 2023	Non-specific No action needed other than process of open declaration
Chakravarthi Rajkumar	Co-opted committee member	Direct financial	Chair of Geriatric and Stroke Medicine, Brighton and Sussex Medical School, University of Sussex and Honorary Consultant Stroke Physician, University Hospital Sussex NHS Foundation Trust	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Chakravarthi Rajkumar	Co-opted committee member	Direct non-financial professional and personal	Published many research papers relating to hypertension in the elderly over the last 25 years	1997	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Chakravarthi Rajkumar	Co-opted committee member	Direct non-financial professional and personal	Treasurer ARTERY Society	June 2021	21.3.22	End December 2022	Non-specific No action needed other than process of open declaration
Parijat De	Co-opted committee member	Direct financial	Consultant Physician in Diabetes, Endocrinology and Lipid Metabolism, Sandwell & West Birmingham NHS Trust	Interest arose more than 12 months before	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS

				appointment			
Parijat De	Co-opted committee member	Direct financial	Undertaking private practice fully reflecting my NHS practice.	2006	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Parijat De	Co-opted committee member	Direct non-financial professional and personal	Royal College Physician council member	2019	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Parijat De	Co-opted committee member	Direct non-financial professional and personal	Diabetes UK member of the Council of Healthcare Professionals	2019	March 2021	Ongoing	Non-specific No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Direct financial	Professor of Genetic Epidemiology & Honorary Consultant, Clinical Pharmacology and General (Internal) Medicine, UCL Hospitals NHS Foundation Trust	Interest arose more than 12 months before appointment	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS
Aroon Hingorani	Co-opted committee member	Indirect financial	I am co-investigator on a research grant from Pfizer Inc. entitled 'Therapeutic Target Identification For Heart Failure With Preserved Ejection	17/12/2021	On application (February 2022)	17/12/2023	Non-specific No action needed other than process of open declaration

			<p>Fraction' £536,763.10. The research is to use public-domain genomic data to identify and validate targets for new heart failure treatments. The research will be published. As with any funded research yielding new discoveries, there may be potential for Pfizer, UCL or both parties to develop new intellectual property. The award is to fund two post-doctoral researchers and to cover the research time (5% in my case) of five investigators. The costs for research to me are paid to the university (UCL) not to me directly. UCL funds my salary in full.</p>				
Aroon Hingorani	Co-opted committee member	Indirect financial	<p>Wellcome Trust Collaborative Award 'Prediction of complications of diabetes mellitus utilising novel retinal image analysis, genetics, and linked electronic health records data.' Award £1,126,103</p>	2022	21.3.22	2025	<p>Non-specific No action needed other than process of open declaration</p>

			over 42 months (April 2022).				
Aroon Hingorani	Co-opted committee member	Indirect financial	Wellcome Trust Collaborative Award Taking the long view: Identification of plasma protein biomarkers for dementia risk' Award. £4,161,648 over 60 months.	2021	21.3.22	2026	Non-specific No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Indirect financial	UKRI-NIHR Strategic Priority Fund for the Multimorbidity Mechanisms and Therapeutics Research Collaborative (MR/V033867/1) (UCL – Lead; Bristol, Liverpool, Birmingham and Cambridge). £3.7M	2021	21.3.22	2023	Non-specific No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Indirect financial	BHF UCL Research Accelerator Using Computer Science to Accelerate Solutions for Cardiovascular Disease (led the bid, Director). £1M	2019	21.3.22	2024	Non-specific No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Indirect financial	Rosetrees Trust Genomics-Based Informatics Resource for	2019	21.3.22	2022	Non-specific

			Drug Target Evaluation £214,286				No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Indirect financial	BHF, MRC and 9 other funders, Health Data Research UK London Substantive Site. (Member of writing team) £6.9m (£1.2M to UCL)	2018	21.3.22	2023	Non-specific No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Indirect financial	EU IMI: BigData@Heart: health records, omics and wearables in atrial fibrillation, heart failure and acute coronary syndromes. Grobbee, Asselbergs, Hemingway, Casas et al. €19M	2017	21.3.22	2022	Non-specific No action needed other than process of open declaration
Aroon Hingorani	Co-opted committee member	Direct non-financial professional and personal	Unpaid collaborator on a research grant to UCL from New Amsterdam Pharma to undertake genetic validation of a lipid related drug target.	2022	8.9.22	2022	Non-specific No action needed other than process of open declaration
Judith Magowan	Co-opted committee member	Direct financial	Nurse Educator & Associate Lecturer, Okehampton Medical Centre	Interest arose more than 12 months before	On appointment	Ongoing	Non-specific No action needed other than process of open declaration - salaried employment in the NHS

				appointment			
Judith Magowan	Co-opted committee member	Direct non-financial professional and personal	NHS England the Hypertension Expert Advisory Group	Sept 2020	March 2021	Ongoing	Non-specific No action needed other than process of open declaration.
Judith Magowan	Co-opted committee member	Direct non-financial professional and personal	Committee member NHS England Long Term Plan for Cardiovascular Disease	Summer 2020	March 2021	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work.
Judith Magowan	Co-opted committee member	Direct financial	Paid by the Devon Training Hub to give Hypertension training for Devon training hub	2017	Hypertension GC1 (1.7.21)	Ongoing	Non-specific No action needed other than process of open declaration
Judith Magowan	Co-opted committee member	Direct financial	Paid by the Devon Training Hub to give Hypertension training for Kernow Health care	21/5/2021 and 9/7/21	Hypertension GC1 (1.7.21)	Ongoing	Non-specific No action needed other than process of open declaration
Judith Magowan	Co-opted committee member	Direct non-financial professional and personal	Article for Practice Nurse on CVD primary prevention. A Clinical Priority; Cardiovascular disease Prevention. Practice Nurse.	Feb/March 21	Hypertension GC1 (1.7.21)	Ongoing	Specific Declare and remain The topic is directly relevant, however the content does not pose a conflict to the topics under consideration in the

			Feb/Mar2021, Vol. 51 Issue 2, p16-20.				guideline because the article focuses on how to maintain CVD prevention during the Covid-19 pandemic.
Judith Magowan	Co-opted committee member	Direct non- financial professional and personal	HCP training for Devon training HUB and Kernow Health Care on Primary Prevention and hypertension	April 2021	21.3.22	Ongoing	Non-specific No action needed other than process of open declaration
Judith Magowan	Co-opted committee member	Direct non- financial professional and personal	NHS Clinical NHS England CVD prevention quarterly committee meetings	2020	21.3.22	Ongoing	Specific Declare and remain There is no potential for direct gain from the committee's work
Judith Magowan	Co-opted committee member	Indirect financial	Hosting and delivering a hypertension master class for Devon Training hub sponsored by Cheisi	21/7/22	8.9.22	21/7/22	Non-specific No action needed other than process of open declaration
Andrew Black	Expert witness	Direct financial	Partner Mortimer Medical Practice (GP surgery)	2001	15.3.23	Ongoing	Non-specific No action needed other than process of open declaration GPs (partner, salaried or locum) with a general interest in the topic through

							the provision of primary care services are not seen as holding a conflict of interest as there is no scope to personally financially gain from the committee's recommendations
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GUIDANCE NOTES FOR COMPLETION OF THE INTERESTS REGISTER

Relevant dates: Detail here the date the interest arose, the date it was first declared and when it ceased, if applicable. For example, if an individual has ceased to hold shares or undertake relevant private practice.