

Interests Register							
Vitamin B12 Deficiency Advisory Committee				Register last updated: December 2023			
Name	Role with NICE	Type of interest	Description of interest	Relevant dates			Comments
				Interest arose	Interest declared	Interest ceased	
Imran Jawaid	Committee chair	Direct, financial	Locum GP in Kent, South East England	September 2015	On application		Non-specific Declare and participate - salaried employment in the NHS
Imran Jawaid	Committee chair	Direct, non-financial professional and personal	Member of the Assessment Regulatory Committee (ARC) Royal Pharmaceutical Society (RPS)	November 2020	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Vice Chair, PLAB Question Management Group (QMG) General Medical Council (GMC)	January 2019	On application	March 2023	Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Panel Member, Professional and Linguistic Assessments Board (PLAB) Part 1 General Medical Council (GMC)	November 2017	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	RCGP Representative; Antimicrobial Resistance (AMR)	January 2016	On application		Non-specific

			Royal College of General Practitioners (RCGP)				Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Member of the Meningitis (bacterial) and Meningococcal Disease: Recognition, Diagnosis and Management (update) Guideline Committee  National Institute of Health and Care Excellence (NICE)	October 2020	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial (as part of my RCGP AMR role)	Member of the International Advisory Board for a NIHR Health Protection Research Unit in Healthcare Associated Infections and Antimicrobial Resistance  Imperial College London	April 2020	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial (as part of my RCGP AMR role)	Core Member of the National Patient Group Direction (PGD) for Nitrofurantoin in the Treatment of Lower Urinary Tract Infection (UTI)  Specialist Pharmacist Services (SPS), NHS England and NHS Improvement (NHSE&I)	May 2019	On application	January 2023	Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial (as part of my RCGP AMR role)	Member of the National Patient Group Direction (PGD) for Trimethoprim in the Treatment of Lower Urinary Tract Infection (UTI)  Specialist Pharmacist Services (SPS), NHS England and NHS Improvement (NHSE&I)	September 2022	September 2022	January 2023	Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, non-financial professional	Expert Advisers Panel for the NICE Centre for Guidelines (CfG)	September 2016	On application		Non-specific Declare and participate

		and personal	National Institute of Health and Care Excellence (NICE)				
Imran Jawaid	Committee chair	Direct, financial	Discipline Specific Practitioner (DSP) Performance Advisory Groups (PAG) and Performers List Decision Panels (PLDP) NHS England and NHS Improvement (NHSE&I)	June 2016	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	External Examiner MBBS Penultimate (P) Year, St George's, University of London	November 2021	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Clinical Assessment Lead Faculty of Medicine and Health Sciences, University of Buckingham	August 2021	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Clinical Skills Facilitator, Community Pharmacist Consultation Service (CPCS) Royal College of General Practitioners (RCGP) & Royal Pharmaceutical Society (RPS)	October 2020	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Accreditation Assessor Royal College of General Practitioners (RCGP)	April 2020	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Examiner, Professional and Linguistic Assessments Board (PLAB) Part 2 General Medical Council (GMC)	February 2016	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	GP Appraiser	July 2014	On application		Non-specific

			NHS England and NHS Improvement (NHSE&I) (South East Region)				Declare and participate
Imran Jawaid	Committee chair	Direct, non-financial professional and personal	Clinical Adviser for the Royal College of General Practitioners (Previously Clinical Innovation & Research Centre (CIRC), April 2013-April 2020) Royal College of General Practitioners (RCGP)	April 2013	On application	January 2023	Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Clinical Tutor, Seminar Leader and Examiner King's Undergraduate Medical Educational in the Community (KUMEC) King's College London (KCL)	April 2012	On application		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, non-financial professional and personal	Equality diversity and inclusion Co-Lead RCGP South East Thames Faculty	September 2022	18/10/2022		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, financial	Chair of the PLAB Question Management Group (QMG); General Medical Council (GMC)	March 2023	April 2023		Non-specific Declare and participate
Imran Jawaid	Committee chair	Direct, Financial (as part of my RCGP AMR role)	Member of the working group to develop the national Patient Group Direction templates for URTI; Specialist Pharmacist Services (SPS), NHS England and NHS Improvement (NHSE&I)	March 2023	April 2023		Non-specific Declare and participate

Ian Beales	Committee member	Direct, financial	Honorary Consultant in Gastroenterology and Internal Medicine	2001	On application		Non-specific Declare and participate – salaried employment in the NHS
Ian Beales	Committee member	Direct, financial	Clinical Associate Professor in Gastroenterology and Medical Education	July 2021	On application		Non-specific Declare and participate
Ian Beales	Committee member	Direct, non-financial professional and personal	Member NICE stakeholder Insight group	2019	On application		Non-specific Declare and participate
Ian Beales	Committee member	Direct, financial	Consultant to Galapagos. Payment for advisory boards and advisory work. No direct or indirect relationship with B12 deficiency. Declared in the interests of transparency.	2018	On application	2021	Non-specific Declare and participate
Ian Beales	Committee member	Direct, financial	Consultant to Vifor. Payment for advisory boards and advisory work. No direct or indirect relationship with B12 deficiency. Declared in the interests of transparency.	2017	On application	2020	Non-specific Declare and participate
Ian Beales	Committee member	Direct, financial	Consultant to Pharmacosmos. Payment for advisory boards and advisory work. No direct or indirect relationship with B12 deficiency. Declared in the interests of transparency.	2018	On application	2020	Non-specific Declare and participate

Ian Beales	Committee member	Direct, non-financial professional and personal	Chair of Examination Board of European Specialty Examination in Gastroenterology and Hepatology. No direct or indirect relationship with B12 deficiency. Declared in the interests of transparency.	2021	On application	Current	Non-specific Declare and participate
Ian Beales	Committee member	Direct, non-financial professional and personal	Medical Secretary of Examination Board of European Specialty Examination in Gastroenterology and Hepatology. No direct or indirect relationship with B12 deficiency. Declared in the interests of transparency.	2016	On application	2021	Non-specific Declare and participate
Ian Beales	Committee member	Direct, non-financial professional and personal	Chair of Gastroduodenal Section of the British Society of Gastroenterology. Responsibilities include advising on clinical and research matters pertaining to the upper GI tract in all areas that affect patient care.	2017	On application	Current	Non-specific Declare and participate
Ian Beales	Committee member	Direct, non-financial professional and personal	Response to BMJ article: Beales, I. Apparent Vitamin B12-deficiency requires a balanced approach. BMJ 2023;383:e071725 <a href="https://www.bmj.com/content/383/bmj-2022-071725/rr-3">https://www.bmj.com/content/383/bmj-2022-071725/rr-3</a>  Original article citation: Wolffenbuttel BH, Owen PJ, Ward M, Green R. Vitamin B12. BMJ. 2023 Nov 20;383:e071725. doi: 10.1136/bmj-2022-071725.	December 2023	December 2023	December 2023	Specific Partial exclusion Committee member will withdraw from decision making on recommendations for diagnosis, management and follow up

			<a href="https://www.bmj.com/content/383/bmj-2022-071725?fbclid=IwAR1Pr_e9JaEsyyD10v4vGXbO2vHJoVv53gYAkKvqy2ZzBJQgK93241yMxq0">https://www.bmj.com/content/383/bmj-2022-071725?fbclid=IwAR1Pr_e9JaEsyyD10v4vGXbO2vHJoVv53gYAkKvqy2ZzBJQgK93241yMxq0</a>				
Maggie Blott	Expert witness	Direct, financial	Consultant Obstetrician at Royal Free NHS Foundation Trust		On application	Current	Non-specific Declare and participate – salaried employment in the NHS
Medina Brown	Committee member	Direct, non-financial professional and personal	Group Admin - Pernicious Anaemia B12 Deficiency Support Group (on Facebook). This group is staffed by volunteers who receive no payment or recompense for their time.	June 2017	On application		Non-specific Declare and participate
Cassandra Edgar	Committee member	Direct, financial	Clinical Lead Pharmacist, Betsi Cadwaladr University Health Board	May 2017	On application		Non-specific Declare and participate – salaried employment in pharmacy services
Cassandra Edgar	Committee member	Direct, non-financial professional and personal	Medicines and Prescribing Associate, NICE	December 2014	On application		Non-specific Declare and participate
Cassandra Edgar	Committee member	Direct, financial	New role as Clinical Effectiveness Lead Pharmacist.	October 2022	18 October 2022		Non-specific

							Declare and participate
Mamta Garg	Committee member	Direct, financial	Consultant Haematologist, Leicester Royal Infirmary	January 2005	On application		Non-specific Declare and participate – salaried employment in the NHS
Mamta Garg	Committee member	Direct, financial	Honorary Associate Professor in Cancer Studies University of Leicester	January 2019	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, financial	Consultant Clinical Scientist, St Thomas' Hospital	1994	On application		Non-specific Declare and participate – salaried employment in the NHS
Dominic Harrington	Committee member	Direct, financial	Chief Scientific Officer, Viapath	2017-22	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, financial	Chief Scientific Officer, Synnovis (Viapath rebranded as Synnovis October 2002 – same role as above)	2022	December 2022		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, financial	Director and Founder, The Nutristasis Unit	2002	On application		Non-specific

							Declare and participate
Dominic Harrington	Committee member	Direct, financial	Head of Service, Laboratory Haemostasis & Thrombosis	2010	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Reader in Diagnostic Haematology, King's College London	2015	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Clinical Advisor, King's College London, School of Medicine	2012	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Faculty Member, Faculty of Translational Medicine, Biomedical Research Centre	2009	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Director and Founder, Vitamin K External Quality Assurance Scheme	1996-2022	On application		Non-specific Declare and participate

Dominic Harrington	Committee member	Direct, non-financial professional and personal	Scientific Advisor, Vitamin K External Quality Assurance Scheme (transferring scheme to Birmingham Quality January 1 <sup>st</sup> , 2023)	2023	December 2022		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Chair, UK NEQAS Haematinics	2016	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Steering Committee Member, UK NEQAS Blood Coagulation	2008	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	NHS England, CSO Quality Improvement Champions Group	2015-22	On application	2022	Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Visiting Professor University of Surrey	2022	December 2022		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional	O'Logbon J, Crook M, Steed D, Harrington DJ, Sobczykńska-Malefora A. Ethnicity influences total serum vitamin B12 concentration – a study of Black, Asian and White patients in a primary care	May 2021	On application		Specific. Partial exclusion. Committee member will

		and personal	setting. J Clin Pathol. 2021 May 5;jclinpath-2021-207519. doi: 10.1136/jclinpath-2021-207519.				withdraw from recommendation making relating to serum B12 concentrations in different ethnicities.
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Sobczyńska-Malefora A, Delvin E, McCaddon A, Ahmadi KR, Harrington DJ. Vitamin B12 status in health and disease. Diagnosis of deficiency and insufficiency - clinical and laboratory pitfalls. Critical Reviews in Clinical Laboratory Sciences. 2021 Sep;58(6):399-429.	September 2021	On application		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Meeting with GiRFT clinical leads for pathology on Friday to describe how my practice approaches to B12 diagnosis – this will be a high-level conversation relating to how my own pathology service works.	04/03/22	March 2022		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	On the 28 <sup>th</sup> January 2022 I received an invitation on behalf of the Pernicious Anaemia Society via Professor Martin Warren of The Quadram Institute asking me to contribute to a discussion on the issues with diagnostics that patients rely on for the diagnosis of pernicious anaemia. The intention is that my contribution helps ask the right research questions to suggest to the James Lind Alliance.	January 2022	25/1/2022		Specific Declare and participate. The topics covered are directly relevant, however the work does not pose a conflict to the topics under

							consideration in the guideline.
Dominic Harrington	Committee member	Direct, non-financial professional and personal	<p>I have been invited by Getting It Right First Time (GIRFT) to contribute to work they are planning to start on the diagnosis of vitamin B12 status in the NHS. GIRFT is a national programme within NHS E and I.</p> <p>I have stated that:</p> <p>I will not be speaking or communicating in any way about any aspect of the NICE Guideline that is in preparation for B12 deficiency.</p> <p>I will not be making any recommendations of comment on testing or treatment regimens.</p> <p>I will not be making any communication about the merits (clinical or economic) of different approaches to the diagnosis B12 deficiency.</p> <p>I will comment on the standardisation of biomarkers of B12 status and technical aspects of the assays but not on utility or application.</p> <p>I will not be receiving any payment.</p>	24/06/2022	18/07/2022		Non-specific Declare and participate
Dominic Harrington	Committee member	Direct, non-financial professional and personal	Sobczynska-Malefora A, Katayev A, Steed D, O'Logbon J, Crook M, Harrington DJ. Age- and ethnicity-related reference intervals for serum vitamin B(12). Clinical Biochemistry. 2023; 111:66-71	January 2023	February 2023		Specific. Partial exclusion. Committee member will withdraw from recommendation making relating to serum B12 concentrations in

							different ethnicities.
Linda Haste	Co-opted member	Direct, financial	Advanced Nurse Practitioner, The Meadows Surgery	January 2019	On application		Non-specific Declare and participate – salaried employment in the NHS
Victoria Hetherington	Co-opted member	Direct, financial	Partner in GP Practice (Lime Grove Medical Centre)	January 2018	On application	Current	Non-specific Declare and participate – salaried employment in the NHS
Victoria Hetherington	Co-opted member	Direct, financial	Managing Director of Henry and Hetherington Medical Ltd (Private vehicle for locum services undertaken)	February 2020	On application	Current	Non-specific Declare and participate
Victoria Hetherington	Co-opted member	Direct, financial	Paddock Medic for Formula Medicine, providing International medical cover for Formula One races.	March 2019	On application	Current	Non-specific Declare and participate
Victoria Hetherington	Co-opted member	Direct, financial	Facilitator for GP Task Force (Derbyshire LMC) - consultancy work supporting struggling practices	February 2020	On application	Current	Non-specific Declare and participate

Victoria Hetherington	Co-opted member	Direct, non-financial, professional and personal	Member of Shared Care Pathology Clinical Interest Group – Derbyshire - Voluntary role for professional interest, input and dissemination of information	January 2019	11/03/2022	Ongoing	Non-specific Declare and participate
Maddie Smith	Committee member	Direct, non-financial professional and personal	Trustee for Matthew’s Way Brain Tumour Charity – providing support to people affected by brain tumours.	November 2019	On application		Non-specific Declare and participate
Rakesh Koria	Committee member	Direct, financial	Locum GP Thanet	August 2015	On application		Non-specific Declare and participate – salaried employment in the NHS
Rakesh Koria	Committee member	Direct, financial	Acute Response Team GP Lead Thanet	January 2016	On application		Non-specific Declare and participate
Rakesh Koria	Committee member	Direct, financial	Macmillan GP Kent and Medway CCG Cancer ICS and ICP Lead	2016	On application		Non-specific Declare and participate
Rakesh Koria	Committee member	Direct, financial	Macmillan Geographic Patch Associate Advisor (GPAA)	2016	On application		Non-specific Declare and participate

Rakesh Koria	Committee member	Direct, financial	NHS England GP Appraiser	2016	On application		Non-specific Declare and participate
Nick Kosky	Co-opted member	Direct, financial	Consultant Psychiatrist, Dorset HealthCare University Foundation Trust	2019	On application		Non-specific Declare and participate – salaried employment in the NHS
Nick Kosky	Co-opted member	Direct, financial	Private medicolegal practice undertaking capacity assessments, no clinical care	1997	On application		Non-specific Declare and participate
Nick Kosky	Co-opted member	Direct, financial	Medical Member, War Pensions and Armed Forces Compensation Scheme Chamber	November 2021	On application		Non-specific Declare and participate
Nick Kosky	Co-opted member	Direct, financial	Medical Member, Social Entitlement Chamber	September 2020	On application		Non-specific Declare and participate
Nick Kosky	Co-opted member	Direct, financial	Psychiatric Member, Parole Board	August 2018	On application		Non-specific Declare and participate
Nick Kosky	Co-opted member	Direct, financial	Medical Member, Mental Health Review Tribunal	August 2018	On application		Non-specific Declare and participate

Louella Oakey	Committee member		None.				
Harnish Patel	Committee member	Direct, financial	Consultant Physician, Medicine for Older People, University Hospital Southampton (UHS)	March 2014	On application		Non-specific Declare and participate – salaried employment in the NHS
Harnish Patel	Committee member	Direct, financial	Interim Lead Medical Examiner, University Hospital Southampton (UHS)	November 2022	On application		Non-specific Declare and participate
Harnish Patel	Committee member	Direct, financial	Honorary Associate Professor, University of Southampton (UoS)	March 2022	On application		Non-specific Declare and participate
Harnish Patel	Committee member	Direct, financial	Undergraduate module lead – Bachelor of Medicine (BM) International Transfer and BM Elective	August 2022	On application		Non-specific Declare and participate
Harnish Patel	Committee member	Direct, financial	Paid authorship for a review article (£250). Woolford SJ, Aggarwal P, Sheikh CJ & Patel HP, Frailty, multimorbidity and polypharmacy, Medicine, Acute Medicine II, 2021, 49(3): 166- <a href="https://doi.org/10.1016/j.mpmed.2020.12.010">https://doi.org/10.1016/j.mpmed.2020.12.010</a>	April 2021	On application		Non-specific Declare and participate
Harnish Patel	Committee member	Direct, financial	Paid authorship of three review articles published in 'Clinics in Integrated Care' £50 per article (£150):	April 2022	On application		Non-specific Declare and participate

			<p>Jini Mathew, Harnish P. Patel, Integrated care for older adults living with frailty, Clinics in Integrated Care, Volume 9, 2021, 100078, <a href="https://doi.org/10.1016/j.intcar.2021.100078">https://doi.org/10.1016/j.intcar.2021.100078</a>.</p> <p>Jessica Shepherd, Stephanie Gurney, Harnish P. Patel, Shared decision making and personalised care support planning: pillars of integrated care for older people, Clinics in Integrated Care, Volume 12, 2022, 100097, <a href="https://doi.org/10.1016/j.intcar.2022.100097">https://doi.org/10.1016/j.intcar.2022.100097</a>.</p> <p>Edward Jones, Sarah Mould, Lucy Ward, Larissa Ryan, Harnish P. Patel, Integrated care for people living with dementia, Clinics in Integrated Care, Volume 11, 2022, 100095, <a href="https://doi.org/10.1016/j.intcar.2022.100095">https://doi.org/10.1016/j.intcar.2022.100095</a>.</p>				
Harnish Patel	Committee member	Indirect, financial	R&D Grant from University Hospital Southampton for a new research study of musculoskeletal health in older people (£43k). Money is held centrally by the R&D department and I get assigned a code to which I charge expenses.	May 2022	On application		Non-specific Declare and participate
Harnish Patel	Committee member	Direct, non-financial professional and personal	Chair of the British Geriatrics Society Nutrition and Gastrointestinal Special Interest Group	2020	On application	Ongoing	Non-specific Declare and participate
David Mark Pritchard	Committee member	Direct, financial	Professor of Gastroenterology at the University of Liverpool and Honorary Consultant Gastroenterologist at Liverpool University Hospitals NHS Foundation Trust	2009	On application		Non-specific Declare and participate – salaried

							employment in the NHS
David Mark Pritchard	Committee member	Indirect, financial	Payments for my services made to University of Liverpool rather than to me as an individual by Ipsen. This related to sitting on advisory board for Telotristat for management of carcinoid syndrome and carcinoid heart disease, and speaking engagements related to educational fora on diagnosis of neuroendocrine tumours (NETs) and management of gastric NETs. No current engagements booked but I may be involved in future work on this.	2015	On application	Ongoing	Non-specific Declare and participate
David Mark Pritchard	Committee member	Indirect, financial	Payments for my services made to University of Liverpool rather than to me as an individual by Advanced Accelerator Applications (a Novartis company). This related to sitting on advisory boards on the use of peptide receptor radionuclide therapy (PRRT) for metastatic neuroendocrine tumours (NETs). I also gave talks on diagnosis of NETs and use of PRRT in metastatic NETs. I will chair and educational event on this in March.	2017	On application	Ongoing	Non-specific Declare and participate
David Mark Pritchard	Committee member	Indirect, financial	Payments for my services made to University of Liverpool rather than to me as an individual by Mayoly Spindler laboratories. This related to a modelling project and talks on breath testing for Helicobacter pylori infection. No plans for further work on this.	2019	On application	October 2020	Non-specific Declare and participate

David Mark Pritchard	Committee member	Direct, non-financial professional and personal	Research funding from Trio Medicines Ltd to investigate the role of the gastrin/CCK2 receptor antagonist Netazepide in type 1 gastric neuroendocrine tumours	2011	On application	2020	Non-specific Declare and participate
David Mark Pritchard	Committee member	Direct, non-financial professional and personal	Elected member of council and trustee, British Society of Gastroenterology	2017	On application	2020	Non-specific Declare and participate
David Mark Pritchard	Committee member	Indirect financial	Payments for my services made to University of Liverpool rather than to me as an individual by Ipsen. This relates to a speaking engagement at an educational forum on diagnosis of neuroendocrine tumours (NETs). This is an extension of a previously declared interest with the same company but declares participation at a new event.	April 2022	26/04/2022	July 2022	Non-specific Declare and participate
David Mark Pritchard	Committee member	Indirect financial	Advisory board meeting with INFAI about breath testing for Helicobacter pylori.	15/09/2022	18 October 2022	15/09/2022	Non-specific Declare and participate
Emile Richman	Committee member	Direct, financial	Specialist Dietician for Gastroenterology, Royal Liverpool University Hospital	2007	On application		Non-specific Declare and participate – salaried employment in the NHS

Emile Richman	Committee member	Direct, non-financial professional and personal	Member of the BDA. I have no specific roles on committee, but regularly pass on advice and suggestions and have spoken at their conferences.	1996	On application		Non-specific Declare and participate
Emile Richman	Committee member	Direct, non-financial professional and personal	Member of the BDA Gastroenterology Interest Group. I have no specific roles on committee, but regularly pass on advice and suggestions and have spoken at their conferences.	2010	On application		Non-specific Declare and participate
Emile Richman	Committee member	Direct, non-financial professional and personal	Member of the BAPEN. I have no specific roles on committee, but regularly pass on advice and suggestions and have spoken at their conferences.	2017	On application		Non-specific Declare and participate
Willemina Rietsema	Committee member	Direct, financial	GP in urgent care (Oxford Health NHS Foundation Trust)	1999	On application		Non-specific Declare and participate – salaried employment in the NHS
Willemina Rietsema	Committee member	Direct, financial	GP appraiser (NHS England)	2003	On application		Non-specific Declare and participate
Willemina Rietsema	Committee member	Direct, financial	A doctor at a clinical trial site [PT&R, The Netherlands]		On application		Non-specific Declare and participate

Willemina Rietsema	Committee member	Direct, non-financial professional and personal	<p>I am a member of the Pernicious Anaemia Society (PAS), at the recommendation of Prof. David Smith (pharmacology, Oxford) for their work for patients. I have spoken at members' conferences but not for a few years, I have attended their annual luncheon meeting for scientists with an interest in vitamin B12. My basic accommodation and travel fares have been paid for in the past but not since 2019.</p> <p>I have occasionally commented on issues at the request of the Chair – for example issues around pharmacies offering private B12 injections.</p>	2013	On application	Ongoing	Non-specific  Declare and participate
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	I have conducted a systematic review on the diagnostic accuracy of the total serum B12 test, compared with methylmalonic acid, for the diagnosis of B12 deficiency. I have presented a poster on the results at conferences.	2017	On application	Ongoing	Non-specific. Review if article is included as part of the guideline. Declare and participate
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	A 2018 educational article on pernicious anaemia and vitamin B12 deficiency for MIMS – available on <a href="https://www.mimslearning.co.uk/courses/management-of-pernicious-anaemia">https://www.mimslearning.co.uk/courses/management-of-pernicious-anaemia</a> behind a paywall. My “fee” for this was a link below the article to the Pernicious Anaemia Society's website.	2018	On application	Ongoing	Non-specific Declare and participate
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	A December 2019 letter to BJGP on plant-based diets, expressing concern that these may lead to vitamin B12 deficiency, including issues related to diagnosis and treatment of diet-related deficiency - available on <a href="https://bjgp.org/content/vegan-diet-">https://bjgp.org/content/vegan-diet-</a>	December 2019	On application		Non-specific Declare and participate

			puts-people-risk-vitamin-b12-and-other-deficiencies				
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	A blog post (summer 2020) for the Pernicious Anaemia Society's website, explaining the importance of continued treatment for patients, and different treatment options to reduce face-to-face contact with the GP practice during the Covid-19 pandemic – available on <a href="https://pernicious-anaemia-society.org/articles/managing-pernicious-anaemia-in-the-time-of-coronavirus/">https://pernicious-anaemia-society.org/articles/managing-pernicious-anaemia-in-the-time-of-coronavirus/</a>	2020	On application		Specific. Partial exclusion. Committee member will withdraw from recommendation making with regard to frequency of vitamin B12 injections.
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	I have been invited to be involved with a research priority setting project with the James Lind Alliance. I have accepted the invitation but have not been involved in any meetings or discussions so far.	2020	On application	Ongoing	Non-specific Declare and participate
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	I am a co-founder and was secretary of CluB-12, a research collaborative on all aspects of vitamin B12. The Chair registered CluB-12 as a stakeholder on the guideline, though without consulting the members. CluB-12 does not have a joint opinion on any issue. Views are individual members' only. Members of Club-12 are researchers on any aspect of B12, from plant biology to all aspects of chemistry and clinician-researchers into aspects of vitamin B12 related to issues such as cognitive impairment, risk of diabetes, etc. Most of the discussions centre on basic science of vitamin B12. Occasionally	2020	On application	January 2022	Non-specific Declare and participate

			members express an opinion on treatment, though so far none has done so with specific reference to pernicious anaemia. I resigned membership of CluB-12 in January 2022.				
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	I have worked with the William Templeton Foundation for Young People's Mental Health, contributing on a variety of nutritional aspects with reference to depression, including folate and vitamin B12.	2020	On application	Ongoing	Non-specific Declare and participate
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	Attended meeting on outcomes Priority Setting Partnership by James Lind Alliance. The meeting was set up and hosted on Zoom by Martyn Hooper, chair of Pernicious Anaemia Society. We discussed the results of a Priority Setting Partnership [PSP] on the top 10 research questions surrounding Pernicious Anaemia.	16/12/2021	27/01/2022	16/12/2021	Specific Declare and participate. The topics covered are directly relevant, however the work does not pose a conflict to the topics under consideration in the guideline.
Willemina Rietsema	Committee member	Direct, non-financial professional and personal	Member of the Nutrition Special Interest Group of the British Geriatric Society. Nothing done about vitamin B12 so far.	01/05/2023	16/08/2023		Non-specific Declare and participate
Phil Smith	Co-opted member	Direct, financial	Consultant Neurologist, University Hospital of Wales	1996	On application		Non-specific Declare and participate – salaried

							employment in the NHS
Phil Smith	Co-opted member	Direct, financial	Honorary Professor, Cardiff University	2007	On application		Non-specific Declare and participate
Phil Smith	Co-opted member	Direct, non-financial professional and personal	Lead for Written Assessments, Cardiff School of Medicine	2011	On application		Non-specific Declare and participate
Phil Smith	Co-opted member	Direct, non-financial professional and personal	Board of UK Medical Licensing Assessment AKT	2021	On application		Non-specific Declare and participate
Phil Smith	Co-opted member	Direct, financial	Co-editor of Practical Neurology, in receipt of annual honorarium	2011	On application		Non-specific Declare and participate
Emma Stevenson	Committee member	Direct, financial	Principal Clinical Biochemist, Gloucestershire Hospitals NHS Foundation Trust	2008	On application		Non-specific Declare and participate – salaried employment in the NHS
Emma Stevenson	Committee member	Direct, non-financial professional	Currently undertaking a project to meet the requirements of the Fellowship of the Royal College of Pathologists (Clinical Biochemistry):	April 2020	On application		Non-specific

		and personal	“Introduction of a new testing pathway to accurately diagnose B12 deficiency in the local population”. Project proposal approved by the Royal College of Pathologists in April 2020. Due for completion by July 2023				Declare and participate
Emma Stevenson	Committee member	Direct, non-financial professional and personal	I am part of the NHS England’s Getting It Right First Time (GIRFT) B12 deficiency group. I am contributing to an audit of current practice and discussing the local published guidance but will not discuss any aspect of the NICE B12 deficiency guidelines.	July 2022	05/09/2022		Non-specific Declare and participate