

proposed but none is consensual, most are time-consuming while evaluating different domains of impairments, and many are not validated. Gait speed seems to be a single, reliable, valid, sensitive, cheap, quick and simple tool that identifies frailty people. However, the way to perform the test parameters vary widely, influencing interpretations of physical performance.

**Conclusions.** The evidence recommends to detect frailty in people in order to achieve an active and healthy ageing. Gait speed could be a suitable predictor to identify frailty although this systematic review found many differences between the gait speed protocols used in clinical practice. It is necessary to establish a standard protocol of gait speed agreed by experts in the area on frailty to be implemented with success in clinical practice.

## PP238 Budget Impact Of Methionine-Free Amino Acid Formula For Homocystinuria

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**Introduction.** The National Committee for Health Technology Incorporation (CONITEC) evaluates health technologies to recommend their inclusion or exclusion within the Brazilian Public Health System (SUS), and uses the budget impact assessment to estimate costs to the system. This study estimated the budget impact of the supply of methionine-free amino acid formula (MFAAf) for patients with classical homocystinuria (HCU) in the SUS.

**Methods.** The incidence of one case per 250,000 live births in Brazil and the registration of a Brazilian association of patients with HCU was assumed to calculate the population. Mortality and responsiveness to pyridoxine rates were applied. The costs of treatment were estimated according to the recommended dosage in literature and public purchasing prices. For calculating the dose of MFAAf patients, a median age of 19 years and weight of 60 kg were assumed, according to Brazilian study data.

**Results.** The annual cost of treatment was estimated at BRL 77,000 (USD 21,084) per patient. The incorporation of MFAAf for HCU would generate a budget impact in SUS of around BRL 37 million (USD 10.1 million) in 2019 and BRL 188 million (USD 51.5 million) after five years which considers the epidemiological data, and a budget impact of around BRL 6.4 million (USD 1.75 million) in 2019 and BRL 33 million (USD 9 million) after five years which considers the information of a Brazilian association of patients with HCU. The wide range of values in the incremental budgetary impact is due to the lack of information on the epidemiology of the disease in Brazil.

**Conclusions.** The incorporation of the MFAAf in the SUS represents an important budgetary impact and covers a small number of patients. CONITEC recommended the incorporation of the MFAAf in the SUS, according to clinical protocol.

## Vignette Presentations

### VP01 Methods Of Patient Involvement Now And Beyond 2020: A Case Study

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**Introduction.** Involving patients and the public in the health technology assessment (HTA) has always been fundamental to NICE. To ensure the appropriate method of patient involvement remains relevant to the evolving types of HTA, NICE uses varying methods of involvement. These methods have been reviewed to ensure they remain current and relevant for HTA now and beyond 2020, and also to give guidance on the approaches that should form a standard baseline and those that could be optional.

**Methods.** We identified and mapped the different methods of patient involvement used at NICE across five types of HTAs: diagnostics; medical technologies; medicines; ultra-orphan conditions; and surgical procedures. We looked at the varying methods of early engagement identifying similarities and differences, and considered the benefits and challenges of each.

**Results.** The different methods of patient and public involvement include: lay members (generalist and topic expert) involved in decision making, individual patient input (written and oral), and patient group (organisation) input (written). The types of involvement fell into the following categories: written group submissions, written individual statements, surveys of individuals, pre-meeting events/workshops, oral testimonies at committees, and written consultation responses. The common methods across all HTA types were generalist lay members and consultations.

**Conclusions.** This review highlighted the varying methods of involvement at NICE and highlighted additional methods that could be standardised across the different types of HTAs as a baseline. These included patient organisation submissions and a method for additionally including individual patients in each type of HTA. We identified that where patient involvement started early and continued at each stage of the process including a pre-meeting event, it was particularly helpful to the stakeholders' ability to contribute.

### VP02 Involving Patients In HTA Beyond 2020: A Thematic Review

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**Introduction.** Involving patients and the public in the health technology assessment (HTA) is crucial and a key part of the NICE patient and public involvement (PPI) policy. To advance the development of our PPI policy in HTA and build capacity for 2020 and beyond, we took stock of knowledge on stakeholders' views of involving this cohort in HTA.