



15th Joint Call EuroQol Working Groups February 2023

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1. Introduction

The EuroQol Research Foundation (henceforth “Foundation” is inviting applications for funding of research. Applications will be assessed on merit through a competitive process. The Foundation aims to serve the public interest by supporting scientific, not-for-profit research and development of instruments which describe and valued health.

The Foundation intends to fund high quality research that is of scientific and strategic interest to the EuroQol Group and its members. WGs have been set up to support the research agenda outlined by the Executive Committee (“Exec”), primarily focused on the measurement and valuation of health. The WGs are appointed by the Exec to foster research within their remit, which can be found in the Working Groups document (Appendix 1).

Proposals that seek to address one or more specific aims of the WGs will be considered for funding, but strategic priorities will influence decisions. For this call, the WGs have reviewed coverage of their aims by the current research portfolio and identified priority areas. The targeted calls below result from that priority check.

Please note:

- The provisional funding available for the current call stands at approximately €2M. Therefore, the Exec is still willing to consider a wide range of funding opportunities of benefit to the Group. This includes activities to support research collaboration and dissemination.
- Appendix 4 provides a summary of the types of grants available.
- Postdoctoral Grants are not invited as part of this 15th Joint Call, as the scheme announced in the 13th Joint Call is currently being reviewed. The Exec continues to invite PhD projects on EuroQol topics.
- The Exec has amended the procedure for low cost proposals, see appendix 2. The Exec will invite reviews of low cost proposals from the WGs. The decisions will no longer be fast tracked, but made alongside decisions on other proposals in quarterly decision making meetings.
- Any time sensitive funding proposals can still be fast tracked using an offline procedure. If you plan to submit a time sensitive proposal, please contact Laura Pickering, Grants Manager (pickering@euroqol.org) or Elly Stolk, Scientific Director (stolk@euroqol.org).

Submissions beyond the listed themes are also welcome. If you have an excellent idea for a research project, we invite you to seek funding for it is through the current call. If you are interested to undertake other activities that have merit to the EuroQol Group, but you are uncertain whether this is in scope, you are invited to contact Elly Stolk (stolk@euroqol.org) and Laura Pickering (pickering@euroqol.org) for advice and guidance.

The deadline for submissions is **Sunday 23 April 2023 at 23:59 CEST**. Good luck with your applications!

2. Scope of this call

2.1 Descriptive System Working Group

The Descriptive System Working Group (DSWG) calls for proposals contributing to five research areas that will support the group in developing methodological knowledge and furthering evidence about existing and emerging EuroQol instruments. The five areas are:

1. Development of psychometric knowledge
2. Production of evidence to assess bolt-ons – IP status of cognition bolt-ons
3. Production of evidence to assess bolt-ons – Exploratory work
4. Production of evidence on the EQ-HWB and EQ-HWB-S
5. Exploration of the ‘Deep Dive’ approach to measuring health related quality of life

1. *Development of psychometric knowledge*

There are many psychometric methods available for testing preference-based instruments at the descriptive and value set level. These include, but are not limited to, classical test theory, factor analysis, structural equation modelling, and various forms of item response theory. The majority of evidence produced is based on classical test theory, but the DSWG has recently supported work extending this.

Evidence is required to understand which psychometric methods are most appropriate for the EQ family of instruments, or the extent to which different psychometric methods are appropriate to assess the characteristics of EuroQol instruments. To date, little research is available on the way these methods can and should be used.

The DSWG invites proposals to investigate and compare psychometric methods with a focus on issues relevant to preference-based measures. This will ultimately support the development of a protocol for the development and assessment of EQ instruments (e.g., EQ-HWB, EQ-5D-Y, EQ-TIPS, and bolt-ons). We encourage all applied proposals psychometrically testing the EQ family of instruments to include a methodological angle. If you require advice on this, please contact the DSWG (details at end of this section).

Examples of proposals relating to this theme include, but are not limited to:

- Reviews of psychometric methods used for the assessment of EQ instruments (including summaries of methodological choices and observed results of common psychometric tests)
- Use of primary and secondary data sources to explore psychometric methods, and/or develop and test novel approaches
- Comparison of psychometric methods across EuroQol and other preference and non-preference-based instruments
- Use of psychometric methods to understand and compare instruments across proxy and self-completion, administration modes and languages.
- Exploring methods for developing non preference-based scoring approaches for EQ instruments (an area of interest to the DSWG and PHSWG).

During recent rounds number of proposals were funded under this theme. Therefore, interested members are encouraged to contact a DSWG representative to ensure alignment of new proposals with ongoing work (contact details at the end of this section).

2. Production of evidence to assess bolt-ons – IP status of cognition bolt-ons

The DSWG has been tasked with examining the IP status of the suite of EuroQol bolt-ons. In this round we are focusing on the cognition bolt-on set. Recent review work (Rencz et al, in development) has found there are more than 20 sets of descriptors for cognition, and work is required to test these, with the aim of harmonising one version. Another research area of interest is around the use of global vs. subcategory bolt-on descriptors. Research in this area may include:

- Qualitative evidence on the content and face validity of the different wordings of cognition bolt-ons in different patient populations.
- Qualitative evidence of the content validity of the cognition bolt-ons for other users (e.g., clinicians).
- Production of quantitative psychometric evidence of the performance of the cognition bolt-ons alongside the EQ-5D, condition-specific HRQoL measures (across the range of conditions for which cognitive impairment could be a concern) and clinical measures.
- Comparing the feasibility and measurement performance of the self-completed and proxy-versions of the bolt-ons.
- Testing of the bolt-ons in diverse cultural contexts.

Multi-country qualitative and/or quantitative primary data collections are recommended, but secondary analysis of existing observational or clinical trial data will also be considered as part of this research programme. Focusing on relevant patient populations (e.g., dementia, stroke, neurological malignancies, systemic diseases with neurological involvement) is particularly encouraged.

3. Production of evidence to assess bolt-ons – Exploratory work

There are a number of exploratory research areas where further evidence could support both the bolt-on programme, and the wider programme of the DSWG (given methodological approaches used). These include:

- Non-preference-based scoring of bolt-ons: As evidence suggests that bolt-ons increase measurement sensitivity, but result in many challenges for valuation, the DSWG calls for work exploring the non preference-based scoring of single or multiple bolt-ons alongside the core descriptive system.
- Exploring the use and adaptation of constructs and items from other instruments as EQ-5D bolt-ons
- The investigation of possible double counting across existing bolt-ons and the core descriptive system.
- Exploration of bolt-on recall period: Currently bolt-ons have the same recall period as the core five domains. However, for some bolt-ons (e.g., social relationships, self-confidence), ‘today’ may not be interpretable, and for symptom focused bolt-ons a longer recall period may be better due to the daily/within day fluctuations of symptoms (e.g., breathing, itching). As bolt-ons are appended to the core descriptive system, an alternative recall period could potentially be used. We call for exploratory research investigating the appropriate recall period for bolt-ons to maximise acceptability and improve measurement properties, and how different recall periods could be employed.

4. Production of evidence on the EQ-HWB and EQ-HWB-S

To strengthen the evidence base, we are continuing to call for research examining the EQ-HWB and EQ-HWB-S. Broadly, this includes work examining their psychometric characteristics (i.e., validity, reliability, comparative assessment with other instruments, and responsiveness) as well as research into particular features of the instruments. We welcome proposals for qualitative and quantitative research in this broad area.

There are a number of priority areas as follows:

- Investigating the use and validity of the EQ-HWB and EQ-HWB-S in social care users or people living with disabilities.
- Investigating the responsiveness of the EQ-HWB and EQ-HWB-S to change in comparison to external indicators of change.
- Exploration of the face validity of the negative and positive items in the EQ-HWB including proposals to inform potential changes to the positive items or to the instructions as needed.
- Comparing EQ-HWB responses across different modes of administration (e.g., Self-complete paper and electronic version comparisons).
- Further investigation of EQ-HWB and EQ-HWB-S reliability, including test-retest and inter-rater reliability. Understanding inter-rater reliability across conditions and populations with both observable and more difficult to observe health and QoL concerns would be beneficial.
- Exploration of the use of a visual analogue scale (VAS) for the EQ-HWB. Research in this area could investigate the use of different anchors (for example wellbeing and health), comparability with the EQ-VAS, or the inclusion of multiple VAS (for example a health VAS and a wellbeing VAS)
- Research investigating the validity of the long form EQ-HWB in heterogeneous patient and population groups (e.g., age groups, countries, cultures, languages, and health conditions, with a particular focus on long-term diseases).

In addition, other areas of interest include:

- Comparative assessment of the EQ-HWB and EQ-HWB-S with other EuroQol instruments and relevant measures where convergence and divergence in terms of what is measured can be hypothesized (for example ASCOT, ICECAP, AQOL).
- Exploratory work comparing the recall periods of the EQ-HWB, EQ-HWB-S, EQ-5D and EQ-VAS.
- Comparison of the performance of the EQ-HWB to the EQ-HWB-S in different populations.

5. Exploration of the ‘Deep Dive’ approach to measuring health related quality of life

At the 2022 plenary meeting in Chicago, the DSWG presented a paper introducing an approach that conceptualises the EQ-5D as a multi layered measure of health-related quality of life (Mulhern et al 2022¹, available from the authors on request). The approach retains the EQ-5D descriptive system, while enabling a ‘deep dive’ into each of the five dimensions using the Dimension Specific Modules (DSM). It is a concept that could increase the sensitivity and information provided by the EQ-5D and underpin future evolvments of the instruments. Since the Plenary Meeting, further work testing potential methods for developing a multi layered instrument based on existing data has been conducted, and a consultation with the group membership is planned.

So far, this pilot exploratory work has been led by working group members, and our aim is to involve the wider membership in this initiative.

Therefore, we call for further conceptual research to inform the development of this potential research programme. Conceptual research focusing on the basis of the approach is welcomed. This could be theoretical, and/or qualitative work exploring the development framework, the strengths and challenges of the approach, and the requirements of such an instrument. Work understanding what key stakeholders (for example end users including decision makers and clinicians) would require from such an instrument is also encouraged.

¹ Mulhern B, Finch A, Janssen MF, Oppe M. (2022). A multi layered “Deep Dive” measure of health-related quality of life based on the EQ-5D: Introducing the approach. EuroQol Plenary, Chicago.

We also call for exploratory empirical work to understand how DSMs could be formulated and developed. At this point the DSWG is focusing efforts on a single dimension (Mobility) whilst acknowledging unique challenges across the five dimensions. This could include consideration of how items for a DSM focusing on Mobility could be developed and tested qualitatively and quantitatively. This will inform the next stages of the research programme.

Consultation with the DSWG about proposals in this area is strongly encouraged.

General information

Please contact Brendan Mulhern (Brendan.mulhern@uts.edu.au) to discuss potential proposal submissions and/or for further information about any of the research areas described. For further input from the EQ-HWB SIG please also contact Aureliano Finch (finch@euroqol.org).

We encourage members to discuss their ideas for innovative descriptive system related research with the chair of the working group (contact details below). Ideas should be considered within the updated aims of the DSWG (see Appendix 1). Members of the working group are available to provide advice on your ideas for research and support the development of proposals.

2.2 Valuation Working Group

The EuroQoL Valuation Working Group (VWG) has one of the most challenging and broad remits, reflecting the importance of valuation methodology to all our instruments. The VWG is charged with multiple aims across a variety of areas that include:

- Investigation of how our existing valuation approaches may be further refined;
- Investigation of new approaches to valuing health;
- Examining the basis/rationale for value sets for patient groups; and
- Collaboration with other working groups or approved groups that work on conceptual and practical issues concerned with valuation of EQ-5D technologies

We invite researchers to submit proposals related to these four main aims of the VWG. Additionally for this call, the members of the VWG have identified the following priority areas.

First, we are interested in projects that explore how to conduct valuation studies for bolt ons, be it in patient or general populations. In particular, how do we ensure that the value set for the EQ-5D with bolt-ons is comparable with a more conventional value set? Projects should align with the ongoing bolt-on work being conducted in the Descriptive Systems Working Group. These studies can be either or both empirical or theoretical, but must inform the group how to consider valuation in this evolving content.

Second, the VWG has been developing a stand-alone DCE protocol. In the document presented at the September 2020 Virtual Meeting, a number of areas of specific research are highlighted as requiring further work. These include developing standardized code for (1) analyzing DCE data using a range of linear and non-linear approaches, and (2) updating designs with non-zero priors to conduct non-linear analyses. Specifically, we are looking for flexible commands, that are easily adapted to fit different analytical scenarios, and are easy to be used by researchers with limited experience with non-linear modelling of DCE data.

Third, the VWG is also interested in exploratory work to better understand the valuation of EQ-HWB. Topics for proposals could include:

- Mixed methods proposals to increase the understanding of how individuals value the EQ-HWB-S in order to inform a valuation protocol
- Mixed methods work to consider generating evidence on whether the final set of EQ-HWB-S are all amenable to valuation e.g. identify any difficulties with items such as control or response levels etc.

Finally, we continue to invite proposals addressing the valuation of health states that are considered worse than dead. Because of several studies have recently been completed or funded in the cTTO context, in the present call, we would prioritize research going beyond cTTO, for instance qualitative studies or studies that would also use DCE or other elicitation tasks (perhaps in additional to cTTO). The VWG welcomes research proposals using a variety of different methodological approaches, but the priority is for projects that would provide practical guidance for the EuroQoL Research Foundation in the above areas.

Please note that the Younger Populations Working Group and VWG are planning a programme of methodological work in preparation for a future protocol for the valuation of the EQ-5D-Y-5L, to allow its valuation once the instrument is moved to approved status. A call for methodological proposals on this topic will be opened later in the year. Until that methods research is concluded, we are not inviting proposals for EQ-5D-Y-5L value sets.

2.3 Populations and Health Systems (PHS) Working Group

The Populations and Health Systems Working Group (PHSWG) aims to promote and enhance the use of EuroQol (EQ) instruments in health system applications (e.g. for measuring health systems performance, enhancing patient-centred care, evaluating and improving quality of care, and evaluating health policy), and for the measurement and valuation of population health. The PHSWG is interested in innovative proposals for both methodological and applied research that contributes towards these aims. Applicants are encouraged to review the WG's full stated research interests and priorities (appendix 1) and to contact co-chairs of the WG to establish that their proposal is within scope prior to application.

For this round of funding, the PHSWG is particularly interested in submissions that address the following topics:

1) **Methods to present, report, and interpret EQ data**

There has been an increased use of EQ data in various non-HTA applications including routine outcomes measurement within health systems, population health assessment and surveillance, and commissioning of value-based care. In these applications, EQ data needs to be presented to, reported, and interpreted for various stakeholders and audiences. As such, we encourage research that addresses the following sub-topics:

- Methods and approaches to summarize and present EQ data (especially dimension level data and EQ VAS scores) to various stakeholders (including patients, clinicians, administrators/managers, policy makers) to establish their preferences over different presentational formats, or to develop new ways of presenting data e.g., in the form of clinical dashboards
- Methods for developing a non-preference-based scoring for EQ instruments
- Methods for interpreting various data elements of the EQ-5D (dimension level data, values and EQ VAS scores), such as the MID

2) **Use of PROMs data in routine care**

The PHS WG seeks to understand uses of PROMs in routine care, and what role the EQ instruments already play or could play in the future. We know that some health systems already collect PROMs data at national (e.g., in England, Wales, Sweden) or sub-national levels (e.g., in some provinces of Canada, New South Wales) but our understanding is incomplete. We encourage research that examines the following sub-topics using appropriate methods (e.g. scoping reviews incl. grey literature; qualitative analysis):

- Where is routine collection of PROMs taking place, how are PROMs data used to inform patient, clinical, managerial or commissioning decisions, and how and why are the EQ instruments used in this context (or not).
- What are the misconceptions or information gaps of stakeholders that prevent uptake of EQ instruments in routine care?

Please note that research to investigate the use of PROMs in clinical studies or in the context of health technology assessment is likely to be out of scope.

3) **Assessing the usefulness of EQ instruments to characterize major societal or natural events**

This topic is aimed at assessing whether EQ instruments are sensitive and useful to capture the impact of major events such as disasters (natural or human-caused), crises or wars. This may also include the impact of an economic or energy crisis. Apart from capturing the overall impact of any major event, ideally EQ instruments would also be sensitive enough to capture various degrees of resilience across (groups of) respondents. The actual impact of any major event on population health will of course also be of interest to report. Although ideally data prior to the event would be available to assess the impact of the event, in many cases one will have to rely on recall methods to assess the health or HRQoL status prior to the event. As recall bias may affect outcomes, methodological studies studying recall bias using EQ instruments are also welcomed. Note that this topic is considered to fall under innovative research. As there might be conceptual and methodological challenges, a proposal involving large scale primary data collection is not sought at this point.

4) **Using EQ instruments in studying health inequalities**

As the EuroQol instruments are being implemented more often in large epidemiological studies and routine data collection, standardizing equity stratifiers can facilitate and encourage comparisons across studies and countries. We encourage research projects that focus on the following sub-topics:

- Examination of equity stratifiers, either foundational work on a set of stratifiers which can be uniformly applied across studies and/or empirical work on the measurement properties of stratifiers.
- Investigating measures of inequalities (e.g., the concentration index, slope measure of inequality), including proposals focusing on inequality decomposition, i.e., where health inequalities are decomposed into various contributing explanatory factors.

2.4 Younger Populations Working Group

A wide range of research questions relating to the measurement and valuation of HRQoL in children remains, and topics referred to in the previous call for proposals remain broadly relevant.

However, in this call the Younger Populations Working Group (YPWG) wishes to very clearly signal one key research topic as our immediate and top priority, i.e. collecting data for establishing a mapping between Y-3L and Y-5L. We strongly encourage our members to reach out to clinical colleagues and to submit proposals on the research outlined below. Given the nature of the research, we welcome bids from research teams around the world, and encourage proposals that meet the criteria which are detailed below. Because we are looking for a degree of consistency across all proposals, these proposals can be developed as collaborative proposals with the YPWG or with the YPWG in an advisory role. You may contact the YPWG with an expression of interest to initiate collaboration and to seek advice.

Background: The EQ-5D-Y-5L is soon to achieve ‘beta status’. This requires further investigation of the descriptive system of the EQ-5D-Y-5L, which may require minor changes in wording and comparisons to the descriptive system of the EQ-5D-Y-3L. In addition, the YPWG and Valuation Working Group (VWG) are currently working together to plan for Y-5L value sets. In the interim, we plan to establish a crosswalk between the Y-5L and Y-3L, to allow those collecting Y-5L data to map to the Y-3L, to enable use of the value sets for the Y-3L which are now available. A Y-5L/Y-3L mapping research team has already been established. While some data are already available to support this research, more data are required.

What research is being called for? We require parallel collection of Y-5L and Y-3L data in pediatric cohorts in clinical settings. Both proxy and self-reported assessment of 3L vs 5L are welcomed in this call for proposal. In order to understand the relationship between the Y-5L and Y-3L, this will require data that span the dimensions and levels of severity of the descriptive system. Although readily available, data from general population samples of children provide little useful information. We therefore seek proposals for data collection in samples of children who are unwell and very unwell. While such data can potentially be obtained via panels, it is unlikely that relying on online samples will meet our requirements – so samples will ideally be recruited in clinical settings e.g. from clinics for specific conditions affecting children.

What data are required? We seek proposals to collect Y-5L and Y-3L data (and data on a modest set of related variables) from multiple countries and disease areas. Each bid can relate to just one or to more than one disease area. Each disease area should be described and clearly justified in terms of the severity of the condition and the dimensions it is expected to affect e.g. what distribution of profiles are likely to be observed. Because data on children’s health is often proxy reported in younger children and in children with extremely poor health, age of child and proxy vs. self-complete are additional variables that are important to capture. The child’s condition is relevant in broad terms, but we do not require or expect the data to be linked to clinical data or medical records for the purposes of the Y-5L and Y-3L mapping.

Criteria for funding proposals:

- Ability to collect data in specific disease area(s) which are clearly described in terms of which dimensions are likely to be affected and likely to yield observations in the more severe response levels.
- Established collaboration with pediatric health care providers/clinicians.
- Access to researchers with the necessary skills, certification and experience required for recruiting samples in clinical settings e.g working with children and their families.
- Knowledge of local ethics committee processes and considerations.
- Willingness and ability to share data and collaborate with the mapping modelling team e.g. by contributing context- or disease-specific knowledge to the use of the data.
- Open to explore possibilities for transferal of the collected data into the SAVED (Storage and Access to Valuable EuroQol Datasets) data archive to allow secondary data analysis of existing data, currently being set up by the EuroQol Office. For details about the SAVED data please contact Nynke de Groot (groot@euroqol.org).
- Contribution to a diverse international data set i.e. we seek data from multiple conditions and multiple countries, and will select proposals which provide us with a good mix of local settings to produce a robust international mapping function.
- Ability to work to timelines: data are required as soon as possible, and no later than Q3 2024. While longitudinal studies may be of interest, it would be important to have initial (cross-sectional) data available by Q3 2024.
- Realistic estimates of achievable sample sizes and timelines for sample recruitment. While ultimately all data will be pooled for modelling/mapping, we may wish to explore the impact of disease area and/or other relevant variables in modelling, so ideally each data collection centre will contribute a sufficient sample of data to enable that. If you are uncertain about whether the sample you may be able to obtain would be suitable for the mapping dataset, please reach out to one of the YPWG members.

Although the primary purpose of this effort will be to collect a large amount of data from different paediatric patient groups, research teams are welcome to propose exploration of their own unique research/methodological questions alongside data collection. However, this should not be to the detriment of the primary purpose of collecting Y-3L and Y-5L data i.e., to produce an international Y-5L/Y-3L cross walk. We are looking to impose a degree of consistency in study design and data collection, to ensure the primary purpose of this call for proposals is met. For example, any additional research should not make obtaining ethics consent more difficult, or risk slowing down data collection. The YPWG would welcome additional methodological research in these samples which may include:

- Investigating validity and reliability in the lower age range (i.e 7/8-12 years) and establishing if there are any age-related challenges in completing the EQ-5D-Y-5L. Furthermore, the younger children's preference for the EQ-5D-Y-3L or EQ-5D-Y-5L is of interest.
- Investigating the transition between the youth and adult descriptive systems.
- Investigating the relationship between child self-report and proxy report on the EQ-5D-Y-3L and EQ-5D-Y-5L
- Investigating the convergent validity with comparison to other generic preference weighted measures and/or disease specific measures.

Proposals related to this high priority research program are invited. If you are interested in working on this topic, but are not sure whether your research environment fits the criteria mentioned above, you are welcome to reach out to the YPWG for a discussion and to ask any questions. The YPWG can provide assistance with setting up a proposal as well. Furthermore, it is planned to set up an information meeting in March, to provide a detailed discussion on methodological aspects with members of the YPWG. Lastly, in addition to proposals for contributing data to the mapping project, we are also interested in expressions of interest of individuals who wish to assist the YPWG in coordinating this program of work, supporting all local study teams with their data collection by providing assistance with study designs, ethical applications, etc. If you are interested in this role, please contact roudijk@euroqol.org.

The Y-5L/Y-3L cross walk aims to provide an interim means of valuing Y-5L. Please note that the YPWG and valuation working group (VWG) are also planning a programme of methodological work in preparation for a future Y-5L valuation protocol. A call for methodological proposals on this topic will be opened later in the year. Until that methods research is concluded, we are not inviting proposals for EQ-5D-Y-5L value sets.

2.5 Education and Outreach Working Group

As part of its mission, the EuroQol Group supports activities designed to develop and support its membership, as well as disseminate knowledge to the wider scientific community. The Group also supports outward-facing activities designed to enhance the understanding of EuroQol technologies across an expanding range of end-users. The Education and Outreach Working Group (EOWG) has a role in supporting initiatives to achieve these objectives.

The EuroQol Research Foundation funds a variety of initiatives to support dissemination and knowledge transfer, these include:

- Education and outreach activities
- Travel grants
- Journals Open Access fee reimbursement

2.5.1. Education and outreach activities

With the increasing volume of research funded by EuroQol Research Foundation, we seek proposals to better disseminate and transfer generated knowledge. We also invite members to submit proposals for education and/or outreach activities that support the mission of the EuroQol Group (<https://euroqol.org/euroqol/vision-and-mission/>). For example, funding may be requested for developing and teaching courses, or conference visits to support dissemination of new research findings, or organization of workshops or webinars. We invited you to think about your event considering the following aspects:

Characteristics	Options
Event type	Meeting, workshop, roundtable discussions etc.
Event purpose	Strategic outreach and networking, training, education, scientific meeting etc.
Event format	Face to face, virtual, hybrid
Target audience	EuroQol members, end-users, early career researchers, policy makers etc.
Audience's location	International, regional (e.g., Asian), country specific etc.
Piggy-back to other meetings	ISPOR, ISQOL, HTAi etc.
Event program	Abstracts driven, invited speakers etc.
Collaboration with EuroQol WGs	Valuation, youth population, population and health systems, descriptive systems
Other funding source	Yes, no

If you have ideas for other activities that you would like feedback on, please feel free to send an email to Zhihao Yang (zhihao_yang_cn@outlook.com). If you have other ideas to promote knowledge dissemination and transfer, the EOWG welcomes your suggestions.

2.5.2. EuroQol Travel Grants

EuroQol travel grants have been made available to students and researchers to provide funding for international travel and subsistence to undertake EQ-5D related research at a university or a recognized academic or policy center/institute under the supervision of a EuroQol member. The travel grants support short term visits abroad as well as long term partner institution residency. The scope of these travel grants is wide and could serve different aims, as discussed below.

Short term EuroQol travel grants

The short-term travel grants support members who wish to meet physically to conduct EuroQol-related activities, mostly for specific projects, to travel abroad for a short period of time. These grants may also be requested with the purpose of meeting to develop projects/proposals, rather than working on existing projects. The period abroad can vary between a couple of days to 2 months. Please note: To receive funding for meetings or collaboration efforts of smaller teams, a deliverable should be clearly defined, such as a research proposal or a publication.

The amount of funding is limited to €15,000 per grant and this should be used for travel, training course fees, accommodation and subsistence only. An application form has been developed for the applicant to complete; it should also be signed by the member in the host organization who will host the applicant. The support from EuroQol is limited to the travel grant; all other support should be provided by the host institute.

Long term travel grants

The long term travel grant allows researchers interested in getting more deeply involved with specific types of EuroQol work to get residency at an institute abroad for a specific period (2 months to a year) and be embedded in the team. The grant supports various types of residencies at a partner institute, e.g., work placements, internships, trainee ships, and research specialization visits. If you want to apply for a travel grant of this type, you will need to identify a EuroQol member at a partner institution as the host. Any EuroQol member who has demonstrated expertise related to your planned work may act as a host.

An alternative to partner institution residency could be similar arrangements with the EuroQol Office allowing researchers interested in the general scope of EuroQol activities to come to Rotterdam and be embedded in the office scientific team. The amount of funding is context specific.

2.5.3 Open Access (OA) fee reimbursement

The EuroQol Group has a new **OA fee policy** that the foundation will refund all costs of publishing articles in open access journals, either for manuscripts related to funded projects or for manuscripts on EQ related works led by members and relevant to EuroQol in another way. To apply for the OA reimbursement, a request needs to be submitted in the grant submission portal.

3 Submission Guidelines

3.1 Available budget

For the current call a budget of up to €2M can be made available, but the Foundation reserves the right not to distribute all the funds available for this round depending on the number and quality of proposals received.

3.2 What we fund

This call invites applications for various types of research grants: proposals for small projects, regular research applications, proposals for educational or regional meetings, topical research applications for larger projects or programmes of work, and proposals for funding of PhD research.

Low cost proposals: Low cost proposals (max budget €25,000) qualify for a lighter review procedure. These proposals will be reviewed by WGs and based on these reviews a decision will be made by the Executive Committee.

Topical research program proposals: Members are invited to submit proposals for larger projects, possibly of a longer duration (i.e. 2-4 years), either as a coherent series of studies, or one very large study, to an intended maximum of €150K. Requests for larger budget can be made, but a strong motivation would be needed and it is recommend to look for co-funding from another organization instead. Interested members are encouraged to contact the relevant WG Chair to ensure alignment with ongoing- and planned research. For grants that fall within this category, the Executive Committee will provide feedback on a first-stage application before a full grant proposal can be applied for.

PhD proposals: The current call also invites applications for PhD scholarships/fellowships. The Executive Committee has prepared a practical guidance document for applicants seeking funding for PhD proposals from EuroQol (Appendix 2).

The attached budget guidelines specify how the budgets should be presented. The budget guidelines are the same for all proposals.

For more detailed information on the types of grants that EuroQol offers, please refer to Chapter 2 of this call and appendix 2, guidance for applicants.

3.3 Who can submit?

In this round, the EuroQol Research Foundation accepts proposals that are submitted by research teams or individual researchers affiliated to different institutions/organisations (Universities, NGOs, companies, etc.). The Principal investigator does not need to be a member, but at least one EuroQol member has to be involved in the project as co-investigator.

All researchers are strongly encouraged to contact the relevant WG Chair to discuss plans for proposals, to ensure alignment with ongoing and planned research, and alignment with the research objectives of the WG and this Call for Proposals. If you would like input or have questions about the preparation of your proposal, please email the relevant WG contact below, or for general questions, contact Laura Pickering, Grants Manager at pickering@euroqol.org.

3.4 Submission procedure

All proposals reports will need to be submitted via the EuroQol Projects Submission Portal: <https://euroqol-proposals.grantplatform.com/>. You will first need to register to create a personal account. Then you can start working on your submission. Progress will be saved, and you update your submission right until the submission deadline (even if you have submitted it already). The deadline for submissions is **Sunday 23 April 2023 at 23:59 CEST sharp**.

At registration, please make sure to accept receiving broadcast emails, and notifications from the system to facilitate communication.

3.5 Timelines

After the deadline:

- the Scientific team leader will check whether your proposal meets the call's eligibility criteria.
- experts will review all the eligible proposals in May 2023
- your proposal will be discussed by the Exec in June 2023
- applicants will normally receive further information about the decision of the Exec within three weeks after the Exec meetings.

3.6 Further information

For further information, you can contact Elly Stolk (EuroQol Scientific Director), Laura Pickering (Grants Manager), the relevant working group chairs and Office scientist(s) who support that WG, or any other members of that WG. The primary contacts of each WG for questions about this call are:

Descriptive Systems	Brendan Mulhern	Brendan.Mulhern@chere.uts.edu.au
	Aureliano Finch	Finch@euroqol.org
Valuation	Michal Jakubczyk	michal.jakubczyk@gmail.com
	Bram Roudijk	roudijk@euroqol.org
Populations and Health Systems	Juanita Haagsma	j.haagsma@erasmusmc.nl
	Bas Janssen	janssen@euroqol.org
Younger Populations	Mike Herdman	mikeherdman.insight@gmail.com
	Bram Roudijk	roudijk@euroqol.org
Education and Outreach	Zhihao Yang	zhihao_yang_cn@126.com
	Mandy van Reenen	vanreenen@euroqol.org
EQ-HWB	Clara Mukuria	c.mukuria@sheffield.ac.uk
	Aureliano Finch	finch@euroqol.org

If you are interested to seek collaboration or get access to the data which may become available as part of the agreements with researchers/authorities in Sweden and Alberta, Canada, please contact the local contact persons (copying the WG chair):

Emelie Heintz (Sweden)	emelie.heintz@ki.se
Jeffrey Johnson (Alberta)	jeffreyj@ualberta.ca
Arto Ohinmaa (Alberta)	arto.ohinmaa@ualberta.ca

4 Appendices

1. Working Group (WG) aims
2. Guidance for applicants
3. Budget guidelines
4. Grants offered by EuroQol

Working Group (WG) aims

By the EuroQol Executive Committee

Last update: February 2023

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1. Introduction

In this document, informed by the Strategic Research Priorities and WGs Review documents, we describe the current scope of each WG. It is to explain why and how the Working Group (WG) structure has been introduced, what the current objectives are, and how WGs will work. The WGs will be generating Requests for Proposals (RFP), which will be calls for targeted research, to which any EuroQol Group members may respond. These will represent important new opportunities for members of the EuroQol Group to obtain funding for research.

2. General information about the WG policy

2.1. Background to Working Groups as an Initiative

- The continued success of the EuroQol Group and non-profit status requires that our revenues and the substantial reserves be invested in research and development.
- The Executive Committee has a responsibility for establishing the scientific direction of the EuroQol Group, and in promoting and funding a research programme consistent with the overall scientific strategy.
- The WGs were set up to represent the principal means by which we channel ideas and proposals to the Executive Committee for consideration for research funding.
- Working Groups (WGs) are charged with clearly defined, specific objectives relating to the scientific agenda of the EuroQol Group, as defined by the Executive Committee.
- WG Chairs will report progress towards the stated aims of a WG annually to the Executive. Informed by progress towards stated aims and strategic priorities, the WG structure or objectives states for WGs can be revised by the Executive Committee.
- The performance of WGs will be reviewed on a periodic basis (e.g., every 2 years).
- Overall, the WG structure has proved to be an effective and productive source of research deliverables for the EuroQol organization.

2.2. Implementation of the WG structure

- WGs Chairs and members will be selected by the Executive Committee. An appeal for nominations from the membership be made for WG Membership can be part of the selection procedure.
- Although WG Chairs may independently reach out and contact a potential member directly to nominate him/herself for a WG position, EuroQol members are encouraged to nominate themselves. Those EuroQol members who are interested in working on a particular WG should express their interest through the Business Office. Subsequently, the WG Chairs will submit a list with the proposed WG members from the list of nominees to the Executive Committee for their feedback and to finalize the Work Group teams. Membership in more than one WG is permissible.
- The membership of each WG will be revisited at least annually to ensure a collaborative and productive team-based approach. EuroQol members may express their interest to join a WG at any time to the Business Office.

- Our goal is to engage all members of the EuroQol Group in the research activities being coordinated by the WGs. Note that the mandate of each WG is not to conduct research, but to coordinate and facilitate it. The WGs are encouraged, but not required to, establish a Special Interest Group (SIG), which comprises EuroQol Group members with a demonstrable research interest in the relevant area. The SIGs will provide a wider network of researchers with which the WG can liaise, seek input from and keep informed about the RFPs being developed. SIG members will be able to share with the WG any information or topic that has relevance for its research agenda. EuroQol Group members who are interested in being a member of a given SIG should contact the relevant WG Chair, explaining their expertise and research activities in the area of work. For reasons of efficiency, the number of persons participating in a SIG may be limited. A current example of a SIG lies within the Children WG.
- From time to time, a Taskforce of Program Team (PT) will be initiated, charged with a specific aim. The PT differs from the SIG by the fact that it is an ad-hoc team to conduct specific studies that generate evidence on strategically important research questions in a short period of time. If considered necessary to realise their objectives, a WG can propose the need for an PT to the Executive Committee. This approach has proven to be very effective in getting a lot of work done in a short period of time. A taskforce or PT reports to, and works in close cooperation with, the WG. The taskforce or PT will be dissolved once the objectives have been achieved. A WG can send out nomination calls for Taskforce or PT membership. After receiving a proposal by the WG the Executive Committee will formally appoint the members. Recent examples of a Taskforce was the 3L/5L Taskforce charged with investigating the consequences of transitioning from 3L to 5L. An older example was the team that conducted a series of studies to improve the TTO module of EQ-VT, under supervision of the Valuation Methodology WG.
- Lastly, we consider it essential to promote and support novel, innovative research, whether it is covered by the Strategic Research Priorities or not. Proposals for innovative research are welcome and can be submitted at any time. They will be reviewed directly by the Executive Committee.

2.3. How can members of the EuroQol Group find out more about the activities of the WGs?

Information about the progress of each WG and calls for proposals will be posted on the members' area of the website and updates will be emailed to all EuroQol group members.

EuroQol Group members are encouraged to email the WG chairs if they are wondering which WG would be best aligned with a research idea or proposal. If in doubt, please contact the Scientific Director Elly Stolk (stolk@euroqol.org), or the Executive Director Bernhard Slaap (slaap@euroqol.org), for guidance or feedback.

2.4. Summary of WGs

The WG structure currently includes five WGs:

Working Group	Aim
Descriptive Systems WG	The aims of the DSWG are framed around the generation of knowledge for, and development of, existing instruments, instruments currently under development, and future instruments. .
Valuation WG	Focus on valuation methods. However, the activities have been extended to include international initiatives related to prospective valuation studies and international initiatives using data collected from valuation studies.
Younger Populations WG	Validation and valuation of the EQ-5D-Y versions
Population and Health Systems WG	The purpose of the PHS WG is to promote and enhance the use of EuroQol instruments in health care system applications, and for the measurement and valuation of population health.
Education and Outreach WG	As part of the broader mission of the EuroQol group, this WG leads initiatives to educate members, and the broader scientific community/ policy maker to promote better understanding of the uses of EQ-5D and its underlying science.

2.5. WG Principles

- The WGs are intended to be relatively small, **focused** groups, with specific objectives to be agreed with the Executive Committee.
- Unless otherwise stated, the WGs will provide a progress report and future plans on an annual basis, and will undergo a formal review after 2 years, but the Executive Committee reserves the right to revise the terms, membership, and viability of each WG at any time.
- The WGs will be responsible for leading and driving forward research and development that falls within scope of their mandate. Through Requests for Proposals (RFPs) and Program Announcements (PAs) developed by the WG with input from the Executive Committee, each WG will present aims for the grant round and provide information about current research priorities. Members of WGs can also apply, but the WG is not expected to lead the research as a team.

- The WGs are accountable to the Executive Committee. Each WG Chair will keep the Executive periodically updated regarding the team's status and progress. Additionally, a EuroQol Office scientist will serve as 'liaison' to facilitate communication between the EuroQol office and the WG. The Office scientists are not automatically considered as WG members but can nominate themselves to become a formal WG Member in a manner consistent with other members.
- To further ensure good communication, the Executive Director and Chair of the Executive Committee, or their designee, should in principle have access to WG meetings as needed.
- In the remainder of this document, we provide details on the remit of each WG, and the aims they are charged with.

3. Current remit of each working group

3.1. Descriptive System Working Group

(last updated: April 29th, 2021)

3.1.1. Aims of the DSWG:

The three aims of the DSWG are framed around the generation of knowledge for, and development of, existing instruments, instruments currently under development, and future instruments. The aims are as follows:

1. To generate further knowledge and understanding of existing EuroQol instruments
2. To further develop the descriptive systems of EuroQol instruments (including existing instruments, instruments under development, and bolt-ons) scientifically and strategically.
3. To explore the development of future instruments, descriptive systems and bolt ons, scientifically and strategically.

These aims position the DSWG as central to the life cycle management of EuroQol instruments (current, those under development, and future). They enable the DSWG to develop research activities and programmes, and work on priority areas, as guided by the Executive Committee over the short and long term. They lead to the production of knowledge and outcomes with relevance to the entire EuroQol group.

3.1.2. Broad research programmes and activities

Within the three suggested aims, research programmes and activities will be developed and coordinated by the DSWG. A broad set of programmes and activities are outlined below. These will be refined and prioritised by the DSWG in consultation with the Executive Committee and EQ office, and can be subdivided into smaller programmes of work as needed. This list is not exhaustive, meaning that the DSWG can be responsive to changes in the research landscape, and add programmes and activities as and when needed. The DSWG is interested in the use of mixed methods approaches (including literature reviewing, and qualitative and quantitative work) across its research activities.

a) Programme of research to evaluate current and future EuroQol instruments (Aims 1-3)

This programme will:

- Generate knowledge about existing EuroQol Instruments in different populations and settings. This can be done using mixed methods approaches in primary and secondary data, and literature reviews.
- Further develop group expertise in psychometric methods by testing approaches for the evaluation of existing EuroQol instruments.
- Assess the cross cultural validity of EuroQol instruments

Within this broad programme, there are specific areas related to the instruments that can be investigated. For example, these include, but are not limited to:

- Assessing consistency across the same versions of instruments (e.g. issues around mode of administration, language versions, interviewer administered versions, proxy and self-complete)

- Investigating descriptive system issues (for example, investigating the composite dimensions (PD and AD) building on other recent work in this area)
- EQ VAS-specific research
- Testing the influence of recall periods (current and alternative)
- Supporting the VMC with their research needed

b) Programme of research to test methods for the development of instruments and descriptive systems (Aims 2-3)

This programme will:

- Further develop group expertise in psychometric and measure development methods by testing approaches for the development of new instruments and descriptive systems. This can be done using mixed methods approaches in primary and secondary data, and literature reviews.
- Testing methods to promote the cross cultural validity of future EuroQol instruments and descriptive systems
- Test the use of innovative methods (e.g. multidimensional IRT) in the development and assessment of new items or attributes

c) Moving towards a psychometric protocol for the development and testing of EQ instruments (Aims 1-3)

- The output of Programmes 1 and 2 could further develop a psychometric evidence knowledge base to inform the broader work of the group, and support the DSWG in generating a psychometric protocol for the development and testing of all current and future EuroQol instruments

d) Research programmes to explore the development of items, attributes or versions linked to the core measure (Aims 2 and 3)

- These long term initiatives may include research to explore extensions to the core measure, including, for example, the development of a deep dive instrument, and a pictorial version of the descriptive system.

e) Further production of evidence on bolt-ons (Aims 1 – 3)

The DSWG will develop their existing bolt on research programme to:

- Conduct conceptual work based on current and future bolt-ons
- Extend bolt-on development strategically (e.g. where bolt-ons may be required)
- Test the performance of existing bolt-ons in different settings in relation to the five dimensions, the dimensions included in other instruments, and other bolt-ons (this also links with Programmes 1 - 3)

f) Exploration of conceptual frameworks for existing instruments, additional instruments and descriptive systems (Aims 1 – 3)

Conceptual framework research is at the core of the development and understanding of instruments, and our work in this area can:

- Outline the conceptual framework for developing additional health instruments (e.g. deep dive instruments and item banks).

- Outlining the conceptual framework for developing extended health instruments (e.g. PREMS, quality of care, wellbeing and end of life instruments)
- Understand and describe what is meant by the concepts and terminologies used in the field and test the appropriateness of EuroQol instruments to measure these

g) Support research to further develop the EQ-HWB

In collaboration with the EQ-HWB SIG, the DSWG continues its involvement in the development of the EQ-HWB measures as follows.

- Validation of the HWB-9 and HWB-25
- Validating and developing the items and measures using new approaches to data collection internationally
- Validating and developing the items, measures and dimension structure using existing international datasets
- Translatability and adaptation to other cultures and languages
- Comparisons to other measures
- Longitudinal performance

h) Involvement in the development of a framework and process for moving instruments through IP stages (experimental, beta and approved).

The work of the DSWG is central to the process required to progress instruments and bolt-ons through the IP stages. The DSWG is leading the development of the documentation outlining this process, and the work led by the group will be central in producing the evidence required to make decisions about instrument status.

The programmes and activities are broadly described within the aims, and can be further developed prioritised by the DSWG in consultation with the Executive Committee. It will be possible for the DSWG and Exec to seek 'alignment' over the short and long term objectives and priorities of the DSWG. This could be via semi-regular discussions (for example twice a year) between DSWG, Executive and EQ office stakeholders.

3.1.3. Other initiatives:

To maximise the potential of the aims and research themes outlined above is planning a number of related initiatives:

- Explore the potential to set up a DSWG specific SIG, or project specific taskforce. For example, this could be a general SIG around DS specific issues, or targeting a particular part of the research programme (the development of the approval guidelines, or the development of a pictorial version).
- Explore the potential to develop a data repository for use in DSWG specific projects (in collaboration with the office as potential coordinators of the process)
- Build further collaboration with other WGs and committees. This will include close coordination with the VMC (building on a recent joint call for proposals), and possible coordination of the valuation of bolt-ons with the VWG. The development of criteria for moving instruments forward in status is also relevant to the YWG, and we will build links with them for involvement in that process. The development of the research activities above would benefit from consultation with the PHSWG.

3.2. Valuation Working Group

(Last updated: May 2022)

3.2.1. Aims of the Valuation Working Group

1. To initiate RFPs and PAs that investigate new approaches to valuing health (including approaches within scope of the QALY framework, as well as methods not necessarily associated with the conventional QALY paradigm).
2. To support the development and dissemination of value sets for all EuroQol-related instruments in key countries.
3. To support methodological research examining the basis/rationale for value sets for patient groups.
4. To provide scientific guidance and support for existing protocols related to valuation studies.
5. To collaborate with other WGs or approved groups that work on conceptual and practical issues concerned with valuation of EQ-5D technologies, including but not limited to valuation of health in children, and the use of bolt-ons to existing EuroQol instruments.
6. To appraise the methodological reporting rigor of published value sets for approval by the Executive that the Business Office can post as guidance for users/user support.

3.2.2. Rationale

This WG has a broad remit, reflecting the importance of valuation methodology to all our instruments. As a consequence, clear communication lines are needed with the other WGs involved in valuation particularly the **Descriptive Systems WG** and the **EQ-5D in Younger Populations WG**.

It is likely that a wide range of countries will become (or continue to be) interested in developing value sets for the EQ-5D-5L or 3L, the EQ-HWB, the EQ-5D-Y and the TANDI. One task of this WG is to identify countries where HTA systems are sufficiently developed and/or where there may be a need for additional value sets in the foreseeable future. The WG should aim to get value set studies started in these countries. This could be done by RFP, initially among EQ members.

With a series of 5L value sets conducted, the focus for this WG has been extended. Reporting standards of 5L value set studies have been developed through the EuroQol Research Group (Checklist for Reporting Valuation Studies of the EQ-5D: CREATE) and this WG will appraise the quality of reports of valuation studies using that checklist and indicate whether the EQ-VT protocol was followed, and the effect of any variation from that approach. This appraisal will help the Executive Committee provide guidance to the Business Office on how help users and provide user support. Another aim of this WG is to promote secondary analyses of pooled data across different 5L value set studies that facilitate insights into the protocol and methods used in those studies, such as generalizability of issues across countries.

Lastly, we want to encourage the use of our valuation protocols (including the EQ-VT), with associated technical, IT and translation issues. This WG will also promote research and collaboration on (pooled) secondary data from international value sets that could inform study design and methods related to future valuation EQ-5D studies. As an aside, undertaking value set studies is complex and costly. Coordinating these studies across different countries requires considerable logistical and technical skills. The Office EQ-VT Support Team conducts this more operational side of value set studies.

3.3. Population and Health Systems Working Group

(Last updated: May 2021)

3.3.1. Aims of the Population and Health Systems Working Group

The purpose of the PHS WG is to promote and enhance the use of EuroQol instruments in health care system applications, and for the measurement and valuation of population health. The PHS WG has several objectives grouped under the following three key remits:

1. Research
 - Initiate research on the use of EuroQol instruments in population health and health care systems applications (e.g. by initiating RFPs)
 - Guide and support the development of research applications under the PHS WG remit
 - Monitor and evaluate the progress of research related to the WG
2. Implementation and support
 - Support the initiation and development of PROMs programs utilizing the EuroQol instruments (e.g. for routine outcome measurement within patient registries and health organizations)
 - Support the development of proof-of-concept applications utilizing the EuroQol instruments
 - Explore the development of new products and tools that support the use of EuroQol instruments in health systems
3. Stakeholder engagement
 - Facilitate capacity building and knowledge exchange activities with external users and stakeholders (e.g., patients, providers, system administrators, and policy makers)
 - Promote the EuroQol instruments to new user groups (e.g. for monitoring, evaluating and promoting health systems performance)
 - Foster international collaborations amongst EuroQol Group members and users of the EuroQol instruments
 - Promoting the inclusion of EuroQol instruments in national health surveys

3.3.2. Broad research programmes and activities

The WG is interested in innovative research proposals for both methodological and applied research. Within the three suggested aims, research programmes and activities will be developed and coordinated by the PHSWG. A broad set of programmes and activities are outlined below. Note that research interests and priorities of the PHS WG may overlap with those of other WGs such as the DSWG and the EOWG. For advice or guidance in developing your research proposal, please feel free to contact the co-chairs or members of the PHS WG, the Health Inequalities SIG or members from the Canadian APERSU program, and the Swedish PROMs program.

a) The use of EuroQol instruments in population health assessment

This topic covers research activities that attempt to measure the health of the general population using EuroQol instruments. We encourage analysis of secondary data as well as primary data collection. These data will typically also include information on the presence of conditions and general background variables (age, gender, socio-economic characteristics).

We are especially interested in research proposals, preferably involving more than one country, in the following areas:

- *Measuring population health and examining its determinants:* This includes areas of study such as the burden of disease, changes in population health status (due to e.g., disasters or COVID-19), population risk factor models (e.g., including vulnerability), and population norms. As well as descriptive studies, we are interested in studies exploring factors that determine population health status including demographic, cultural and epidemiological factors, and how these impact on health over geographical regions and time.
- *Studying health inequalities:* We are interested in studies that measure inequalities in health and health care using EuroQol instruments, including the relationship of inequalities to social and individual determinants of health and specific policies (local, national). This includes the relation of health inequalities to healthcare access inequalities and the impact of external factors like the COVID-19 pandemic and social policies. This may also include the intended and unintended effects of health policies on health inequalities.

b) The use of EuroQol instruments as patient reported outcome measures (PROMs) in health system applications

Many health systems and organizations around the world are using the EQ-5D as a patient-reported outcome measure (PROM) to support various purposes such as enhancing patient-centred care; monitoring, evaluating and improving quality of care; and incorporating patient-reported outcomes into value-based purchasing arrangements. The EQ-5D is currently being used alongside disease-specific PROMs in routine outcome measurement within patient registries and health organizations in Sweden, Canada and England, respectively. Many other countries are using the EQ-5D in similar applications at a smaller scale.

The use of EQ-5D as a PROM for these purposes is under-studied. Given the growing interest in PROMs around the world, especially the work that is driven by the OECD, we seek to promote the EQ-5D as the generic PROM of choice. For that, the PHS WG supports research that examines various aspects of the use of EQ-5D as a PROM including the following:

- *Implementing systems for collecting, analysing and reporting EQ-5D as a PROM*¹: This includes exploring best practice of collecting EQ-5D data in PROMs programmes, and examining issues in implementing PROMs systems, such as the challenge of measurement. What data capture approaches work best; can different instruments be implemented simultaneously; can healthcare providers do proxy measurements if needed? What is the effect of feedback information to the patient on survey compliance? How do you manage language versions or proxy support? Another challenge is reporting and communicating EQ-5D information to end users in a way that is - demonstrably - instrumental to that user (dashboard graphics, etc.). Note that different user groups (e.g. individual patients, health care providers, managers, policy makers) may require different information and presentational formats.

¹ In certain cases does t EQ foundation fund the implementation of any new PROMs program including EQ-5D. A strong case for need would have to made, that could consist of a novel way of implementation. Further positive aspects could include local co-funding and/or a strong support base with local stakeholders.

- *Examining the applications of EQ-5D as a PROM:* There are many potential applications of EQ-5D as a PROM; our focus is on its use in three areas: quality control, performance management, and individual patient decision making. Questions of interest include: how can EQ-5D data be analysed and reported in comparing performance of healthcare providers or to inform quality improvement initiatives? How can EQ-5D data be used to inform clinical management or to support patient decision making around treatment options (e.g., patient-decision aids)?
- *Examining the impact of EQ-5D/PROMs systems:* There is lack of information about the overall impact of PROMs programmes, such as evidence that they have resulted in changes in, for example, clinical practice, hospital performance or the health of patient populations. Demonstrating such impact is challenging, so we are especially interested in innovative ways (e.g., pragmatic cluster RCTs) to examine the effectiveness and/or cost-effectiveness of using EQ-5D as a PROM in various clinical areas.

Please note that to be eligible for funding by the EuroQol research foundation, it is essential that the proposed research is primarily about the EQ-5D, rather than including the EQ-5D as an incidental component of a PROMs program or simply as an example.

c) Methodological advancements

This includes research exploring retrospective measurement², health trajectories, the use of change variables vs. difference scores, response style measurement and adjustment (response heterogeneity, response shift), equivalence studies on related concepts (e.g., healthy days, DALYs), prospective study designs, and case-mix adjustment in the context of comparing population health or health care performance.

While many research proposals will involve some data collection by the investigators, we also support those who use existing data sources and strongly support projects which collaborate with the EuroQol Foundation's collaborative program agreements currently in Sweden and Canada.

² Retrospective measurement of EQ-5D has been applied to create pseudo-longitudinal data, relevant when pre-data is lacking (e.g. with event like conditions such as stroke or injuries). This method may be applied but the method itself may also be methodologically studied.

3.4. Younger Populations Working Group

(Last updated: 2015)

3.4.1. Aims of the Younger Populations Working Group

1. To develop EQ-5D instruments suitable for use in children of various age ranges. This includes the validation of the EQ-5D-Y in younger age groups (using the proxy version).
2. To promote research to explore the validity of the EQ-5D-Y as a measure of health status in children.
3. To work closely with WG on Valuation Methodology in developing a work programme for the valuation of EQ-5D-Y states.
4. To promote research in the field of application studies. This might include studies comparing EQ-5D-Y to other instruments as well as doing some basic research in paediatric disease areas in need.
5. To update the user guide for the 5-level Youth version.

3.4.2. Rationale:

While we now have an EQ-5D-Y, there remains important work to be done to further develop and establish an evidence base to support the use of EQ-5D-Y as a measure of health status in children of various ages; and to develop a 5L version of the EQ-5D-Y. We would also expect this WG to liaise closely with the **Valuation Methodology WG** regarding the valuation of EQ-5D-Y. Interested EuroQol Group members can send a request for invitation to participate in the SIG to the WG Chair.

3.5. Education and Outreach Working Group

3.5.1. *Aims of the Education and Outreach Working Group*

1. Organize semi-annual meetings that would educate interested EuroQol members on specific topics related to research and application of EQ-5D and other elements of the EuroQol Research Foundation Mission.
2. Organize and promote regional meetings of researchers, decision makers and users interested in EQ-5D outside Europe and North America.
3. Propose additional educational and uptake initiatives to the Executive Committee that could be supported by the Foundation.

3.5.2. *Rationale*

This WG will have a mandate that supports part of the EuroQol mission unrelated to R&D but is vital sustaining the membership and its goal: i.e. education and outreach. Two initiatives are proposed: for members, a second meeting with an educational focus would be initiated, perhaps staggered 6 months from the scientific plenary. The focus would be on providing educational sessions and workshops that help members gain a greater understanding of the EQ Group's ongoing research agenda and encourage involvement in research initiatives.

A second initiative, related to outreach, would be to set up regional meetings of researchers and others interested in EQ-5D outside Europe and North America. There appears to be an increasing mass of researchers using EQ-5D in Asia, and to a lesser extent in South America. Given the costs involved and the limited access to the yearly Plenary Meeting, there would appear to be a justification for setting up regional meetings to facilitate exchange of ideas, experiences and results between researchers and those with an interest in using the instrument (government, insurers, etc) from the same region. Involvement of core EQ members from that region would be encouraged.

Finally, educational and outreach initiatives could be proposed by the WG for consideration by the Executive Committee.

4. Contact persons

If you would like more information on any aspect of the WG policies, please contact:

- Bernhard Slaap, Executive Director: slaap@euroqol.org
- Elly Stolk, Scientific Director: stolk@euroqol.org

Guidance for applicants: Procedures for research funding applications

1. The EuroQol Research Foundation will fund high quality research that is of scientific and strategic interest to the EuroQol Group and its members.
2. Proposals should be submitted to the EQ Office using the EuroQol Project Submission Portal (<https://euroqol-proposals.grantplatform.com/>). Please review the [Proposal Budget Guidelines](#) before submitting a proposal.
3. For clarity, applicants should ensure that when they refer to EuroQol instruments they use the correct terms – see [EQ-5D Nomenclature](#).
4. Unless stated otherwise in a Request for Proposals, the lead applicant must be a member of the EuroQol Group, in principle, unless applying for a Seed Grant.
5. Twice a year the Executive Committee (Exec) issues a Call for Proposals, highlighting the current research priorities. These will be circulated by email and posted on the members' area on the website. Funding will be awarded on a competitive basis.
6. Applications for funding can be submitted at any time, but are encouraged for submission when a Call for Proposals is open
7. EuroQol can offer a variety of grant types, listed below. Each Call for Proposals will outline what type of projects are invited. Please note the availability of the types of grants offered may vary from one call to the next.

Parent category	Sub category
1. Research grants	1.1 Regular research project
	1.2 Valuation study
	1.3 Seed grants
2. Individual grants	2.1 PHD grant
	2.2 Postdoctoral grant
	2.3 Travel grant
3. Dissemination and knowledge transfer	3.1 Education and outreach project
	3.2 Open access fee reimbursement
4. Large scale investments (XL grants)	4.1 Program of work in any strategically relevant topic area

8. Proposals are reviewed every quarter in March, June, September and December. Please note that:
 - a. For time sensitive and other high priority proposals, a fast track review procedure may be requested.
 - b. Different review and decision procedures apply for regular proposals and low cost proposals (maximum budget €25,000)

If you have any questions on the review process or submission deadlines you can send an email to Elly Stolk, Scientific Director (Stolk@euroqol.org) or Laura Pickering, Grants Manager (Pickering@euroqol.org).

9. The **regular proposal review process** is as follows:
 - a. Two Exec reviewers will independently review each proposal.
 - b. The relevant Working Group (WG) will also review each proposal. The WG Chair may delegate the reviewing task to a WG member or to another researcher with special expertise on the topic. However, the Exec wants to be assured that this review represents the considered view of the WG.
 - c. When proposals are received on a topic that falls outside the immediate remit of the WGs (e.g. 'innovative' proposals), the scientific team leader chooses the reviewers.
 - d. All reviews will be completed online using the EuroQol Project Submission Portal, where reviewers can view the proposal and rate or leave comments pertaining to the following criteria: Strategic and scientific importance; Approach/study; Design/methods: Feasibility; Budget, timelines and deliverables; Data protection and protection of human subjects. Next, the scores and/or comments are shared with all members of the Exec to decide on the proposal.
 - e. The Exec Chair may install a triage committee to facilitate the decision making process. This will be announced in the Request for proposals, together with a description of the triage process. The triage committee will consider the proposals and their reviews and make a triage decision (Fund/Conditional Fund/Revise and Resubmit/Reject/Discuss with Exec) based on the reviewer comments when a clear picture emerges from the review reports. These triage decisions need to be ratified by the full Exec. If there are important concerns raised by any member of the Exec about any triage-decision, the proposal will be deferred for discussion at the next Exec meeting. If the review reports do not provide a strong basis for a triage decision, the proposal is moved to the discussion with the full Exec.
 - f. The WG Chair may be invited to join the Exec meeting when proposals are discussed that fall within a particular WG's remit, to ensure informed decision making by the Exec.
 - g. Reviewers, WG members and Exec members will be expected to make a declaration of interest (including potential conflict of interest) for proposals they review. Any person with a conflict of interest will be excluded from being involved in any part of the reviewing and decision-making process regarding funding.

10. The **review procedure of low cost proposals** is as follows:
 - a. For low cost proposals, the relevant WG will provide 2 reviews. The Chair, or Deputy Chair of the Exec will consider the review(s) and will provide a recommendation, along with the proposal and the review, to members of the Exec. That recommendation needs to be ratified by the Exec in their quarterly decision making meeting. In case any concern is raised with the suggested decision, the proposal will be discussed by the full Exec to reach a decision.

11. The **fast track review process** is as follows:
 - a. Decisions on time sensitive or other high priority proposals can be fast tracked. The fast track procedure provides a possibility to judge funding requests in the interval between Executive Committee decision meetings. The fast track procedure invites reviews for proposals upon receipt, and the decisions are made offline.
 - b. A review will be sought from at least one member of the Executive Committee. One or more additional reviews can be requested from the Exec or Working Groups, at the discretion of the Executive Chair or Deputy Chair.

- c. The Chair, or the Deputy Chair of the Executive Committee will consider that review and will send a recommended decision via email, along with the proposal and the review, to members of the Exec with request to respond to within 48 hours in case of concerns.
 - d. If there are important concerns raised by any member of the Executive Committee about the Chair's recommended decision, the proposal will be deferred for discussion at the next Executive Committee meeting. If not, the applicant will be informed of the Exec decision to fund/ not to fund the proposal.
 - e. If you want to have your proposal reviewed by the fast track procedure, you need to contact the Scientific Director (stolk@euroqol.org), who will discuss with the chair of the Executive Committee if your proposal qualifies for the fast track procedure.
 - f. Applicants should use the regular approach to submit their proposal, via the EuroQol Project Submission Portal, see point 2.
12. **Executive Committee decisions** on proposals will be either:
- a. Funding awarded;
 - b. Funding conditionally awarded, subject to satisfactory revisions and clarifications (confirmed by Chair's action, on the basis of reviewers' recommendations; and reported to the following Executive Committee meeting);
 - c. Invited to revise and re-submit for consideration by the Executive Committee at its next meeting;
 - d. Funding declined.
13. Applicants will normally receive feedback within three weeks after the Executive Committee meetings. Reviewers' comments will be provided anonymously to principal investigators by the EQ Office.
14. Abstracts of applications that are awarded funding will be published on the public website.
15. When funding is awarded, the Scientific Director or the Grants Manager will follow-up with a notification email, and subsequently a Grant Offer Letter confirming Executive Committee approval. The Grant Offer Letter will include a proposed payment schedule in two or more instalments, annual reporting requirements (if applicable), and will explain what is required before an invoice can be sent. The Grant Offer Letter will be accompanied by a General Terms and Conditions (GTC) document. EuroQol requests the Grant Offer Letter to be signed and returned within three months of the date on the letter.
16. If funding for a proposal is refused, the Scientific Director or Grants Manager will follow-up with a rejection notification mail that includes the reasons. To appeal a decision, you must write a letter to the Scientific Director or the Grants Manager asking to have the decision reconsidered and motivate this request.
17. **If a project has an annual or interim reporting requirement**, a notification email from Good Grants will be sent with an invitation to submit the annual/interim report within a three-month timeframe. In most cases the annual/interim report will be reviewed by a member of EuroQol's Scientific Team, and the PI will be notified if the report is approved (and therefore, in most cases, the next invoice can be submitted and/or the next phase of the project can commence if this is stated in the Grant Offer Letter). If the report is not approved, the PI will be notified of the reasons for this, and will be given an opportunity to revise and resubmit the annual/interim report.

18. **If a project is undergoing delays** and the Principal Investigator is unable to submit an annual or final report on time, they must inform EuroQol (or respond to an email from EuroQol regarding an update on a project) providing reasons for the delay and a revised timeline with a request for a budget-neutral deadline extension providing the new expected end date for the performance period. Any deadline extensions must be approved by the Grants Manager.
19. **Once a project is completed**, the process is as follows:
- a. As specified in the Executive Committee approval letter, at the completion of the project, a final report should be submitted, using the Final Report Form on the EuroQol Project Submission Portal (<https://euroqol-proposals.grantplatform.com/>), together with the original proposal, all deliverables described in the proposal and all reviewer reports, if applicable. The Principal Investigator will receive a notification email from Good Grants with an invitation to submit the final report within a three-month timeframe.
 - b. The final report will be reviewed by the relevant WG. The WG Chair may delegate the reviewing task to a WG member or to a member of the EQ Group with special expertise on the topic. However, the Exec wants to be assured that this review represents the considered view of the WG.
 - c. In case of a final report on an ‘innovative’ proposal, or any other proposal outside the scope of the WGs, the Exec Chair, together with the Scientific Director from the EQ Office, will identify a member of the EQ Group with relevant expertise and invite this member to review the report.
 - d. The final report review will be completed online using the EuroQol Project Submission Portal, where reviewers can view and rate the report and offer a recommendation (Sign-off, or Revise and Resubmit). Reviewers are asked to comment on: *Was the work completed as planned? Is the reporting up to standard? Are there strategic implications?* Next, the scores and/or comments are shared with all members of the Exec to decide whether the report can be signed off.
 - e. The final report and its review recommendation will be circulated to the Exec. Unless any issue is raised by the Exec, the final report will be approved as recommended and the PI will be notified with an invitation to submit the final invoice for the remaining budget.
 - f. An abstract of the final report will be published on the EuroQol Group’s website, unless the Exec and the project team agree otherwise.
 - g. If the applicants fail to deliver a final report of sufficient quality in a timely way, payment of the last instalment may be withheld and, in some circumstances, the first instalment may be required to be repaid. Failure to deliver a final report will be taken into account in consideration of future applications.
20. **If it is not possible to complete a project**, the process is as follows:
- a. The Principal Investigator must inform EuroQol (or respond to an email from EuroQol regarding an update on a project) as soon as possible, providing reasons for why the project cannot be completed.
 - b. The Principal Investigator must provide a summary of work completed so far, listing any completed deliverables and any failed deliverables.
 - c. The Principal Investigator should provide a proposal of how they wish to close the project, including any reporting or use of data that might be possible, a breakdown of budget already used and the remaining budget that can be returned to EuroQol.
 - d. The proposal will then be reviewed to by the Grant Manager and Scientific Director, and will be put forward for approval by the Executive Committee.

Lastly, the Executive Committee reserves the right to deviate from these guidelines when required by circumstances.

If you have any questions about applying for funding, please contact the or the [Scientific Director](#) or the [Grants Manager](#).

Proposal Budget Guidelines (annex to 01 Guidance for applicants.pdf)

Knut Stavem & Bernhard Slaap

The Executive Committee studies budgets in applications in detail. The guidelines below are provided to ensure a smooth review process.

In **section 18, Proposed budget**, in the Research Proposal Application Form, or in the **Budget proposal** section of the Workshop and Symposia Application Form, you are requested to provide a breakdown of the proposed budget.

Please split up your study budget in the following categories:

- Personnel costs
- Data acquisition costs
- Material costs and other preparation costs
- Dissemination costs

If you are **applying for a workshop or a symposium**, please also provide details about:

- Honoraria, including preparation time
- Venue costs and entrances fees
- Travel costs and expected costs for hotel costs and meals

Personnel costs

Personnel costs are typically the largest cost constituents in proposal budgets. These can be budgeted for the preparation of the study or workshop, data acquisition and data analysis. Try to estimate the numbers of hours/days that will be spent on the project to the best of your knowledge. Please apply appropriate local hourly or daily rates when calculating personnel costs, but note that these should not exceed the EuroQol Group Foundation's 3 categories for **maximum daily rates**, i.e.:

- (1) €125.00 per hour/ €1000 per day, including overheads, for **senior researchers**, e.g. for investigators with leadership roles, who are at least associate professor level: experienced researchers with PhDs and a substantial publication list.
- (2) €95.00 per hour/€760 per day, including overheads, for **less experienced researchers**, e.g. post-docs.
- (3) €50.00 per hour/€400 per day for **students and office staff**.

Please note that the Executive Committee expects applicants to use the 3 categories for budgeting personnel costs. Applicants must provide a justification if they choose to budget research staff at higher daily rates that described above. Furthermore, a justification should be provided for any team member budgeted at the maximum daily rate. At the discretion of the Executive Committee, the budget for personnel costs will be approved, or a lower budget proposed.

EQ Office staff members can participate in EQ-funded studies. Please discuss your plans with the Scientific Team Leader or the Executive Director prior to submitting such a proposal.

When EQ Office staff is participating in your project, please insert a line item under Personnel costs titled 'EQ Office Staff' to specify their hours, using €110.00 per hour/ €880 per day. In **section 9, Budget requested from EuroQol**, specify this amount separately. The total amount will determine if the fast-track review process can be followed (requested budget \leq €15.000).

Under the category of **Data acquisition costs** it is acceptable to have the following costs as line items:

- Respondent's fees and travel costs
- Interviewer costs and their travel costs
- Office/room rent for data acquisition outside the University
- If an agency/ outside company is used, please provide a copy of their invoice/ cost proposal

As a rule, it is not acceptable to request funding for buying computer hardware or software to be used for data acquisition. Renting computer hardware for a study is acceptable.

For EQ-VT studies please add €25.000 for EQ-VT costs (software development, training, support etc.). Upon approval by the Exec this will be provided as in-kind support. In **section 9, Budget requested from EuroQol**, specify this amount separately as in-kind support.

Under the category of **Material costs and other preparation costs** it is acceptable to have the following costs as line items:

- Secretarial support, stationary, telephone costs etc. (usually not more than 5 % of total budget).
- Processing costs for human subject protection/ethics approval, if applicable

It is not acceptable to request funding for computer hardware or software to be used for data analysis or manuscript writing.

Under the category of **Dissemination costs** it is acceptable to budget for one researcher to attend an international congress to present the results of the study. Allowable costs include:

- (1) An economy class airline ticket
- (2) Meeting registration fee.

The applicant is required to seek funding from other sources for other dissemination costs, such as board and living, hours spent away the office, co-presenters of the study results etc. As a rule, costs of publishing e.g. in open access journals, are not reimbursed, although exceptions are possible for strategic important studies.

Please contact [Bernhard Slaap](#) if you have any comments, questions or suggestions on Research Proposal budgeting.

Grants offered by EuroQol

Once a call has been published inviting the submission of a grant application, interested persons may put forward a proposal. The call will state what grant type applications are invited. The table below lists all EuroQol grant types and in the remainder of this document we describe the aims and scope of each grant. The procedure of applying for a grant is similar for all grant types and described in general terms in the Guide for Applicants. The procedure for specific grants may differ from this procedure to some degree due to grant specific elements. Please note that the availability of the types of grants offered may vary from one call to the next.

Parent category	Sub category
1. Research grants	1.1 Regular research project
	1.2 Valuation study
	1.3 Seed grants
2. Individual grants	2.1 PHD grant
	2.2 Postdoctoral grant
	2.3 Travel grant
3. Dissemination and knowledge transfer	3.1 Education and outreach project
	3.2 Open access fee reimbursement
4. Large scale investments (XL grants)	4.1 Program of work in any strategically relevant topic area

1. Research Grants

1.1 Regular research project

A research grant is defined as a grant obtained for conducting a piece of research as described in a funding application. Research grants are the principal way of funding research for the EuroQol Research Foundation.

Scope

The Foundation aims to fund high quality research that is of scientific and strategic interest to the EuroQol Group and its members. Any proposal targeting one of the specified aims for the WGs as described in the [WG aims document](#) is consistent with the overall scientific strategy and thus will be considered for funding. Twice a year the Executive Committee (Exec) issues a Request for Proposals, highlighting the current research priorities. These will be circulated by email and posted on the members' area on the website. Funding will be awarded on a competitive basis.

Funding

Standard research projects can have a budget up to around €200,000. For requests over this threshold value, applicants would need to provide particularly convincing arguments for the need to complete all work in a single project.

Eligibility

Eligibility will be described in the request for proposals. Generally, calls are aimed at researchers with established lines of research involving EQ-5D or related instruments, many of whom are affiliated with the EuroQol Group. Some calls require that the lead applicant is a EuroQol member or that the project team includes a EuroQol member.

1.2 Valuation studies

Valuation studies are a specific type of research project, aimed at producing a preference based national value set for one of the EuroQol instruments. Value set development is part of the R&D process of EuroQol instruments, and EuroQol therefore wishes to collaborate closely with parties that are interested to produce a value set. This chapter describes our policy for how to set up a valuation study.

Scope

The EuroQol Group and the EuroQol Research Foundation are conducting a series of value set studies globally. Value sets can be developed only for instruments that are made available to the wider public as an approved EuroQol instrument. A protocol for how to conduct the valuation studies has been published or can be obtained from the EuroQol Office. These studies are generally conducted in accordance with a protocol developed by EuroQol, which may involve conducting TTO interviews in a large sample of the general population using our standard proprietary software package called EQ-VT. Approved studies will receive in kind support of the EuroQol research foundation, but a few hurdles need to be passed before support is obtained, including assessment of case for need and available budget for the research.

Eligibility

All parties interested in conducting a valuation study of one of the EuroQol instruments, are invited to contact EuroQol Office first to learn about our policy regarding valuation studies. EuroQol membership status is not required. Before a research application is invited, we want to learn about your team, your funding and your time planning. We also want to learn about the status of Health Technology Assessment (HTA) in your country, local experience with valuation research, local use of EQ-5D-3L and EQ-5D-5L and the case for need for developing a value set.

Funding

Your plans for how to finance the study are also reviewed before a valuation study proposal is invited. We typically expect the country team to secure local funding to cover most of the total project cost. So, you should be aware that this will be an expensive study. Our current protocol for valuing EQ-5D-5L requires a study sample of at least 1000 respondents for an EQ-VT study. This means 1000 face-to-face interviews to be completed by a team of about 10 trained interviewers. EuroQol research foundation will support approved studies in kind, by building and testing an EQ-VT version for your country, translation costs and costs for training, quality management and support. The EuroQol Research Foundation will be taking care of these costs (around €25,000) when your studies is approved by the Executive Committee of the EuroQol Group. However, you must secure funds for the project team members, participant incentives, fieldwork, etc from local sources. Depending on how the study is conducted, an estimate for the total study budget would be €70,000 to €300,000 or more, depending on the wages in a country and the extent to which parts of the study are farmed out to commercial companies. Subject to a decision of EuroQol's Executive Committee, co-funding may be obtained from EuroQol Research Foundation to make ends meet.

Should the availability of resources be a problem, we encourage you to consider conducting a valuation study of the EQ-5D-3L instrument, which requires a smaller sample (~300) and can be completed by a smaller team. Furthermore, using the so-called 'crosswalk' approach it will be possible to create values for the 5L instrument from the 3L data.

Application

The stage of drafting a valuation study proposal is entered if a team is considered capable and if it has a study design, funding and a time planning which is considered acceptable by the EQ-VT Support Team of the Valuation Working Group. In this stage the EQ-VT Support Team will work with the country team to develop a research proposal ready for review and approval by the EuroQol Executive Committee. Please note that if the EuroQol Executive Committee can also decide not to fund the study, which means that we will not provide the team with our EQ-VT software or funding.

Valuation studies have their own submission form, covering all elements required to perform a valuation study in accordance with our protocol.

1.3 Seed grants

The Executive Committee announced the launch of Research Seed Grants in 2022. The main focus of the Research Seed Grants is to support innovative research that may result in providing a catalyst to, and a starting point for, launching new projects or facilitating a change in the direction of the research. The Research Seed Grant program has the following goals:

- to encourage interest among external research groups to develop new collaborations with the EuroQol group in research projects where EQ-5D or EQ-5D data play a key role, e.g. embedded in clinical practice, as a routine PROM. (see below for example areas).
- to encourage innovative research related to the [research priorities](#) of one or more EuroQoL Working groups (Descriptive system, Valuation, Youth, Population and Health Systems).

Scope

Through a seed grant, short-term, exploratory research projects can be supported. The seed funds are provided to stimulate innovative use of EQ-5D or of EQ-5D data. The results will determine the potential and long-term feasibility of the research or inform the design and execution of a larger scale study. A seed grant allows researchers to explore new research initiatives, that may be high-risk projects, to start working on their research project. Examples include:

- Applications leveraging further value from existing data sets made available through Routine Outcome Monitoring
- Development and validation of risk-prediction models, diagnostic tools, or decision support models
- Studies addressing the nature of disparities in care and outcomes
- Research done in strategic framework for value-based health care research and/or implementation
- Patient profiles in health care, patient platforms, care pathways
- Methodological or applied research in the field of psychometrics, health economics, classification theory, mapping, instrument development, or information processing and presentation.

Funding

Research seed grants may be requested up to €50.000. For requests over this threshold value, applicants would need to provide particularly convincing arguments for the need. The grant is for covering the direct cost of research and researcher salaries, following the usual budget guidelines. Institutional overhead expenses, indirects, material costs and travel expenses are not covered. Requested project budget should agree with project aims and scope. The maximum duration of research projects funded by a Seed Grant applications is 12 months.

Eligibility

The grants are specifically aimed at researchers aiming to establish new lines of research involving EQ-5D or related instruments and who are currently not affiliated with the EuroQol Group, allowing

EuroQol to enter into new collaborations. Current members of the EuroQol group are not eligible to apply for this grant type. Collaboration with EuroQol members in the proposed research is allowed but not required, meaning that EuroQol members can join a research team as advisor or co-investigator.

The call is open to experienced researchers as well as to early career researchers, who have a proven track record, or indication of promise for early career researchers. Eligibility is subject to the requirement that the proposed research can support new collaborations or new research lines to develop. The application form will include questions about how the research is embedded in order to judge the scope for integrating results in next steps.

All domains are eligible for funding. Applicants should consider the following requirements:

- Research topic should be related to health and/or health care, to the EQ-5D or related instruments or to the Working Group themes
- Research is open to methodological as well as applied studies
- Research should be innovative in either methodology or application
- Project duration is variable but max. 12 months (see below)
- Requested project budget should be in agreement with project aims and scope

Application

Each call for proposals will be disseminated to stakeholders with the intention to solicit applications. All research groups viewing this call may submit their projects. Applicants with questions about this call can contact the EuroQol Office or contact the Grants Manager (pickering@euroqol.org) or Scientific Director (stolk@euroqol.org). The application and review procedure are as is described in the general Guidance for Applicants. The application form invites detail about the planned research, as well as detail about the Applicant, the organisation represented, and a vision around how funding of the proposal may be a basis for building collaborations.

2. Individual Grants

2.1 PhD grants

EuroQol invites proposals for PhD research that supports EuroQol's wider goals. The grant should allow a PhD student to do original research, write it up in a thesis that meets local requirements, and defend that thesis and earn the PhD title, as well as meeting the minimum requirements of EuroQol as listed below. The student's focus will be on broadening the theoretical understanding of a theoretical subject or exploring into any unknown area and enhancing research skills. The candidate is selected by the lead-supervisor. If the application is initiated with a specific candidate in mind, a CV of the prospective candidate must be provided together with the CVs of other team members. In case of projects initiated by the applicant, and for which there is no identified candidate, the strategy and timeline for recruiting or selecting the PhD candidate needs to be described. A suitable candidate must be identified who has demonstrated interest in the area.

Scope

While the primary aim essentially is *personal* capacity building, the secondary aim is to provide opportunities to investigate in depth a particular EuroQol related *topic* or *dataset*. The most important part of the application form is the project description. The project description explains the research project or projects for the PhD, and it outlines the research strategy in some detail. It is important to present a strong rationale for the research. The background should identify gaps in the evidence base/methodological issues that will be addressed, leading to the stated aims of the PhD proposal. The significance of the research questions (1) to the field, (2) to the EuroQol community should be clearly stated. The methods of all planned projects need to be described in a level of detail. It is not necessary to provide every last detail, but the description should allow reviewers to judge what level of quality is being pursued and to consider feasibility of the proposed work and assess risk. Details of existing data sources must be provided to allow quality and suitability of the data to be assessed. If new data will be collected, a description is needed of how data will be collected, analyzed, and reported. Unlike other standard proposals, attention should be paid to interaction with the research communities addressed, including the EuroQol group (e.g. by indicating which WG will be the most natural sounding board).

Funding

There are considerable differences between countries in the approaches to doctoral education, for instance regarding qualifications, coursework requirements, time to degree, examination, and funding. . The EuroQol-Group acknowledges such variations and accepts that budgets required to fund a PHD and deliverables will vary. Applicants need to provide relevant detail about how PhD research is structured in the host institution, and list the formal requirements in terms of process and outcome. The description needs to clarify the rights and duties of a PhD student and explain whether the student will receive research training, and have tasks and duties beyond the PhD research.

The targeted amount for PhD proposals is in the range of 150.000 – 160.000 euro; higher amounts may be requested if properly motivated. A EuroQol grant may be combined with other sources of funding. A smaller budget can also be requested if EuroQol funding is requested to supplement a previously awarded project or extend the budget available for an existing PhD study. You need to provide a budget plan to explain and justify the requested budget. Please describe the total amount of funds you currently have from other sources. If decisions on other grant requests are pending, EuroQol grants may be awarded as a conditional grant that will be released as soon as the remainder of the budget has been secured.

Your local context will define the way in which the budget will be made available to the student (e.g. as a stipend and fees or salary). The budget will be made available in annual instalments.

In addition to stipend/fees/salary for the student, you may request:

- an individual bench fee of €5000 for the PhD student to encourage his or her scientific career. The student can freely decide whether to spend this on travel to conferences, registering for courses, etc.
- a budget up to €25.000 to cover material cost, e.g. for data collection/acquisition. This can be included in the original proposal, or applied for separately at a later stage after approval of the project while the work is ongoing.
- supporting funds for one or two supervisors. The amount is capped at €7,500 euro in case of one supervisor and at €10,000 in case of two supervisors.
- If travel is involved, this needs to be explained and justified.

Note: The cost of attending EuroQol meetings will be fully reimbursed, if applicable, and do **not** need to be included in the budget. Budgets to cover open access fees also should **not** be included in your application, but can be requested later upon acceptance of a manuscript.

It is *not* possible to request funding to cover indirect costs or overheads.

Eligibility

All EuroQol members who have approval to be a lead or co-supervisor of a PhD candidate at an institution that confers PhDs are eligible to apply. The PhD research could be undertaken at more than one institution, but the institution at which the student is enrolled will provide the lead supervisor and be the official representative of the project and budget holder. Other people involved can be co-supervisors or part of a broader advisory team.

Applicants need to ensure that the student has the necessary lead-supervisor and institutional support. The lead-supervisor must have approval to be a primary supervisor at the institution at which the student is enrolled. The lead-supervisor needs to have institutional capacity to provide the support, opportunities, and resources needed to enable effective supervision and to ensure that the candidate will qualify for the PhD according to relevant standards (this may include teaching). Qualifications of all project team members need to be clarified by including their full academic CV and intended roles in the application.

Deliverables

The required deliverables for a PhD project will be defined in part by the local context. In some countries the requirements are defined in terms of published papers, while in others it rests on a thesis presented to an exam committee. The EuroQolGroup acknowledges this and accepts that the deliverables of PhD projects funded by EuroQol will vary. The lead-supervisor is responsible for ensuring that all local requirements are met, as well as the possible additional requirements defined by EuroQol. The EuroQol-Group defines as a minimum requirement from a PhD project submission of two research articles to a peer reviewed journal, and at least one of these must have been accepted for publication during the timeframe of the PhD. Furthermore, the PhD student is expected to present the research regularly at scientific conferences, including those organized by the EuroQol-Group. The EuroQol-Group expects contribution to the scientific network, e.g. if invited by a WG or the EuroQol-leadership. If applicable it also includes creating documentation/guidelines for users of the EuroQol-instrument on the topic/dataset. Generally, it is assumed that analytical tools/programs are shared with those EuroQol-members. If another organization/agency also is supplying funding to the PhD student then the EQ requirements are modified to reflect the magnitude of investment.

The timelines and important milestones of the project need to be presented (ideally on a Gantt chart), in order to allow progress to be judged. The timeline needs to include the required milestones of the host institution and of EuroQol. The project team needs to pay appropriate attention to potential

barriers for timely availability of data (including ethical approval). EuroQol requires the submission of annual progress reports to monitor if the project is on track and delivering expected results. More generally, the annual report is an important communication tool for knowledge transfer and also to document changes that become necessary or even desirable during the PhD project after its approval and require sign off by EuroQol.

2.2 Postdoctoral grants

The policy for funding of postdoctoral grants is currently under review, and therefore not included in this document.

2.3 Travel grants

EuroQol travel grants (EQTGs) aim to provide students and researchers funding for international travel and subsistence to study the EQ-5D at a university or a recognized academic or policy center/institute under the supervision of a EuroQol member. The travel grants support short term visits abroad as well as long term partner institution residency. The scope of these travel grants is wide and could serve different aims.

Scope

- *Short term travel grants:* The short-term travel grants support members who wish to meet physically to conduct EuroQol-related activities, mostly for specific projects, to travel abroad for a short period of time. These grants may also be requested with the purpose of meeting to develop projects/proposals, rather than working on existing projects. The period abroad can vary between a couple of days to 2 months. Please note: To receive funding for meetings or collaboration efforts of smaller teams, a deliverable should be clearly defined, such as a research proposal or a publication.
- *Long term Travel grants:* The general idea is to allow researchers interested in getting more deeply involved with specific types of EuroQol work to get residency at an institute abroad for a specific period (2 months to a year) and be embedded in the team. The grant supports various types of residency at a partner institute, e.g. work placements, internships, traineeships, and research specialization visits. If you want to apply for a travel grant of this type, you will need a contact person at a partner institution in the EuroQol network: your host. Any EuroQol member who has demonstrated expertise related to your planned work may act as a host. An alternative to partner institution residency could be similar arrangements with the EuroQol Office allowing researchers interested in the general scope of EuroQol activities to come to Rotterdam and be embedded in the office scientific team.

Funding

The amount of funding for short term travel grants is limited to €15,000 per grant and this should be used for travel, training course fees, accommodation and subsistence only. An application form has been developed for the applicant to complete; it should also be signed by the member who will host the student in their organization. The support from EuroQol is limited to the travel grant, all other support would be provided by the host institute. No maximum amount has been defined for long term travel grants. The amount of funding is context specific.

Eligibility

Only members of the EuroQol group can apply for a travel grant, unless stated otherwise in a request for proposals.

3. Dissemination and knowledge transfer

3.1 Education and outreach grant

This grant type invites interested persons to submit plans for any educational or outreach activity that supports the mission of EuroQol Group (<https://euroqol.org/euroqol/vision-and-mission/>). The EuroQol Group Association and EuroQol Research Foundation aim to improve decisions about health and health care throughout the world by developing, promoting and supporting the use of instruments with the widest possible applicability for the measurement and valuation of health. The Foundation is active in two roles, i.e. as distributor of instrument and as a grant making organisation in the field of measurement and valuation of health. Activities to ensure access to the accumulated research expertise of the EuroQol Group and to actively promote the transfer of knowledge and evidence regarding the use, analysis, and interpretation of measures developed by the EuroQol Group are required to generate impact.

Scope

Funding may be requested for a range of activities. The deliverable of the funding application can be an event or a product. Some examples of events that may qualify for EuroQol funding by an educational and outreach grant are listed below. If you would like to apply for a grant to organise an event, the submission form invites you to describe the event you are planning, the target audience, the aims, etc.

- Capacity teaching of courses,
- workshops or webinars,
- conference visits to support dissemination of new research findings
- organisation of regional meetings to build capacity

Examples of product development that can be supported by a EuroQol Education and Outreach grant:

- development of teaching materials
- developments of analytical tools
- books

Funding

No maximum amount has been defined for education and outreach grants. The amount of funding is context specific.

Eligibility

Generally, calls are aimed at researchers with established lines of research involving EQ-5D or related instruments, many of whom are affiliated with the EuroQol Group. EuroQol membership status is not required.

3.2 Open Access fee reimbursement

The EuroQol Group has an **Open Access fee policy** that the Foundation will refund all costs of publishing articles in open access journals, for manuscripts related to funded projects. The Open access fee reimbursement policy also covers open access publishing cost of manuscripts drafted by members and relevant to EuroQol in another way. To apply for the OA reimbursement, a request needs to be submitted in the grant submission portal: <https://euroqol-proposals.grantplatform.com/>.

Eligibility

EuroQol members and authors of manuscripts of projects that were supported by the EuroQol Research Foundation can apply for funding.

4. Large scale investments (XL grants)

As a supplement to regular calls, the Executive Committee is interested in ideas for larger strategic investments in scientific programmes of work. Examples of programmes of work that have been funded as a large strategic investment include the EQ-DAPHNIE project, the programme around the TANDI, and larger investments in support around the Australian QUOKKA study. In addition, the ongoing UK valuation study can be seen as an example of large-scale spending outside the regular call structure.

Scope

The main characteristics of an application for a large-scale strategic investment programme application (XL grant) should include:

- Strategic importance: there must be compelling reasoning aligned with the EuroQol vision and mission, for the Group to take on the opportunity costs, e.g. by reaching new target groups, specific scientific milestones, or lowering user barriers.
- Scale/cost: for project ideas with budget impact up to several hundred thousand Euros, and/or with limited complexity, the regular project proposal procedure will be the default.
- Practical case: please provide reasoning for why your research idea cannot practically be implemented in the regular proposal structure.
- (Optional) membership involvement: EuroQol will consider proposals that allow the involvement of wider groups of members, ideally those who would otherwise not be highly active.

Funding

No maximum amount has been defined for education and outreach grants. The amount of funding is context specific.

Eligibility

It is not possible to start an application for an XL grant via the grants portal on your own account. Firstly the idea will need to be pitched to the Executive Committee. If the Executive Committee is interested in the idea, an invitation will be shared to submit a full proposal.

This funding option is aimed at researchers with established lines of research involving EQ-5D or related instruments, many of whom are affiliated with the EuroQol Group. The lead applicant must be a EuroQol member.

The steps to apply for an XL grant are as follows, with every next step being conditional on a positive judgement in the previous step:

1. Contact the Executive Chair and/or the Scientific Director (stolk@euroqol.com) to briefly discuss your idea and receive confirmation that it is in scope.
2. Send a memo to the Exec that describes **what** it is that you are asking funding for, presents a **strong case** for financing the plan and **outlines the work** that will be done if the grant is awarded with an appropriate level of detail. The memo will be shared with the Exec for a go/no go decision, and to collect inputs and feedback if the Exec agrees to move forward with this idea.
3. Submit a full proposal via the grants portal. Your proposal will be assessed in the usual way. All applications will be reviewed by the Executive Committee of the EuroQol Group and by at least two other EQ members, who may be a member of the relevant Working Group(s). Applicants will be assessed on the following criteria: strategic value, scientific quality, feasibility, track record, and prospects to build on this work.