**KQuIP Hub: Pro forma for measurements and tools, relevant for use in the renal setting**

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| **Name of measurement / tool**  | ICECAP capability measuresICECAP is the acronym from the MRC grant leading to their development: ‘ Investigating Choice Experiments CAPability’ measures |
| **Variable to be measured** | Wellbeing |
| **Brief description of the measure / tool** | ICECAP measures of an individual’s wellbeing in terms of their ability to ‘do’ and ‘be’ the things that are important in life. There are two versions: * ICECAP-A for all adults aged 18 and over, including those over 65
* ICECAP-O for older people aged 65 and over.

Each questionnaire includes 5 questions, covering areas of wellbeing such as attachment (love, friendship and support), independence, and enjoyment and pleasure. |
| **Relevance to the renal community** | Interventions aimed at improving patient quality of life beyond health may benefit from using this measure. Treatment for CKD is known to impact on patients’ ability to live their normal life, especially for those patients on renal replacement therapy. Patients have a burden that goes with treatment and often have restrictions placed on their lifestyle. QI projects may want to identify the effect of a treatment, advice or an intervention on the patient’s capability to do things in life that matter to them.For example, where and how dialysis is given to patients may have an impact on their capability to do things in life that matter to them. QI interventions may be specifically designed to reduce the effect of treatment on day to day life and the ICECAP measure could be used the measure the effect of this.  |
| **Relevance for a renal related QI project**Describe how the measure / tool could be used in a renal QI project. This may not be exhaustive but may inspire others. | ICECAP can be used to capture changes in patient quality of life over time. Although developed originally for use in economic analysis, there is no reason why ICECAP measures cannot be used for QI projects to assess patient change over time.For example, does capability improve from the introduction of a new treatment, compared to what their capability was before that new treatment was provided. To measure this, capability measures need to collected before and after new treatment is provided.  |
| **Accreditation (e.g. endorsed by a recognised organisation)** | ICECAP measures are recommended for use by the National Institute for Health and Care Excellence (NICE) for the economic assessment of social care interventions (NICE, 2013). The Dutch NICE recommend ICECAP for the economic assessment of treatment for long term care. |
| **Validation (e.g. scientific and/or clinical validation)** | As ICECAP are new measures, validation is limited to date in kidney care, particularly over time.Current validation with patients with CKD is being undertaken in Bristol. Between April-July 2017, 31 cognitive interviews with patients attending Southmead Hospital Bristol have found both ICECAP measures straightforward for patients to complete. Patients consisted of a mix of those attending renal outpatients for chronic kidney disease, transplant check ups and dialysis sessions. Qualitative analysis of the interviews is currently ongoing. This research will help provide guidance as to what ICECAP measure to use in kidney patients. |
| **Impact upon the patient pathway** Is this part of patient’s normal care or in addition to this?How much will it alter the patient’s care? | Involves the patient completing the questionnaire, but otherwise no impact on the patient’s pathway.  |
| **Expertise / Skill / Professional Registration required to use the measurement / tool** | No particular expertise required to complete/administer measure. There is a scoring system available with the measure to score the outcome on completion of the questionnaire. This is simple to generate.To generate a summary score for the different ICECAP measures, the scoring system is available on the ICECAP website. An example of this calculation is provided for the ICECAP-A on the FAQ section of the website:<http://www.birmingham.ac.uk/research/activity/mds/projects/HaPS/HE/ICECAP/faqs.aspx>The tool is free to access. However, registration of use of the tool is recommended by the ICECAP developers to keep track of who is using ICECAP and so that they can answer questions you have when using ICECAP. Registration and access of the ICECAP measures free of charge can be found at :<http://www.birmingham.ac.uk/research/activity/mds/projects/HaPS/HE/ICECAP/faqs.aspx> |
| **Resources needed** E.g. Medicines, devices, healthcare professionals | Equipment and Consumables | One A4 sheet per measure |
| Time | 1-5 minutes for patient to complete |
| Training | N/A |
| Licenses | None required. |
| **How to access the measurement / tool** | Online: <http://www.birmingham.ac.uk/research/activity/mds/projects/HaPS/HE/ICECAP/index.aspx> |
| **Main strengths of the measurement / tool** | It is a broad measurement of quality of life that is easy and simple for patients to complete, providing a simple assessment of the impact of interventions on patients’ day to day lives.  |
| **Main limitations of the measurement / tool** | The tools are currently lacking validity in kidney care, although they are being used in current kidney care projects.  |
| **References** | Al-Janabi H, Flynn T, Coast J. (2012) [Development of a self-report measure of capability wellbeing for adults: the ICECAP-A](http://link.springer.com/article/10.1007/s11136-011-9927-2). Quality of Life Research 21: 167-176 (DOI: 10.1007/s11136-011-9927-2)Coast J,Flynn TN, Natarajan L, Sproston K, Lewis J, Louviere JJ, Peters TJ.  Valuing the ICECAP capability index for older people.  *Social Science & Medicine.*  2008; 67:874-882 doi:10.1016/j.socscimed.2008.05.015National Institute for Health and Care Excellence (2013) *The Social Care Guidance Manual* https://www.nice.org.uk/process/pmg10/chapter/introduction |