**Supplementary Material 1. Survey questions: Long-term health conditions in GPPS and USoc**

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| **Measure**  | **Question**  | **Answer Options**  |
| Long-term health conditions(GPPS) | Which, if any, of the following medical conditions do you have?Please tick all the boxes that apply to you | Alzheimer’s disease or dementiaAngina or long-term heart problemArthritis or long-term joint problemAsthma or long-term chest problemBlindness or severe visual impairmentCancer in the last 5 yearsDeafness or severe hearing impairmentDiabetesEpilepsyHigh blood pressureKidney or liver diseaseLong-term back problemLong-term mental health problemLong-term neurological problemAnother long-term conditionNone of these conditionsI would prefer not to say |
| Long-term health conditions(Understanding Society) | Has a doctor or other health professional ever told you that you have any of these conditions? Please select all that apply. | AsthmaArthritisCongestive heart failureCoronary heart diseaseAnginaHeart attack or myocardial infarctionStrokeEmphysemaChronic bronchitisCOPD Cystic fibrosisHypothyroidism Any kind of liver conditionCancer or malignancyDiabetesEpilepsyHigh blood pressure/hypertensionEmotional, nervous/psychiatric problemMultiple SclerosisH.I.V.Chronic kidney diseaseConditions affecting the brain and nervesProblems with your spleenSickle cell diseaseAre very overweight (BMI>40)Other long standing/chronic conditionNone of these |

Rare health conditions reported in response to this question were combined with the “other” category, to reduce risks of disclosure. The rare conditions recoded in this way are H.I.V., problems with spleen or removed spleen, cystic fibrosis, and sickle cell disease.

The first question in this table (GPPS) has been reproduced from NHS Group, Department of Health (Refreshing the NHS Outcomes Framework 2015- 2016 Stakeholder Engagement, available online https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/341391/14-07-30\_NHS\_Outcomes\_Framework\_Stakeholder\_Engagement\_Document.pdf ) and contains public sector information licensed under the Open Government Licence v3.0 (<https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>). Both links, last accessed January 2022.