*Appendix 1*Re-aggregation of welfare spending function from SIWE dataset.

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| --- | --- | --- | --- |
| Category | Function | Social programmes included | Source(*Eurostat* *tag*) |
| **Social protection** | WORKING AGE cash benefits | – Out-of-work income maintenance and support (e.g. unemployment benefits) (all unemployment benefits) | LMPS *(cat. 8)**lmp\_expsumm* |
| – Early retirement | LMPS *(cat. 9)**lmp\_expsumm* |
|  |
| – Housing benefits | ESSPROS*spr\_exp\_fho* |
|  |
| – Disability pensions & early retirement | ESSPROS*spr\_exp\_fdi* |
|  |
| – Social exclusion (minimum income supports) | ESSPROS*spr\_exp\_fex* |
|  |  |
| FAMILY/CHILDREN cash benefits | – Family/children cash benefits **1** | ESSPROS*spr\_exp\_ffa* |
| OLD AGE cash benefits | – Old age pensions and other benefits | ESSPROS*spr\_exp\_fol* |
|  |
| – Survivors' benefits | ESSPROS*pr\_expfsu* |
|  |
| **Social investment** | WORKING AGE services | – ALMP (includes spending for PES) | LMPS (cat.1-7)*lmp\_expsumm* |
|  |
| – Rehabilitation of disabled persons | ESSPROS*spr\_exp\_fdi* |
|  |  |
| FAMILY/CHILDREN services | – Family/children benefits in kind **1** | ESSPROS*spr\_exp\_ffa* |
| OLD AGE services | – Old age benefits in kind (elderly care) | ESSPROS*spr\_exp\_fol* |
| EDUCATION | – Education (ISCED 1-4) **2** | Education & training*educ\_figdp* |
| R&D | – R&D (includes higher education) | Science, Technology & Innovation*rd\_e\_gerdfund* |

Abbreviations: ALMP: Active Labour Market Policies; PES: Public Employment Services; LMPS: Eurostat Labour Market Policy Statistics (composed by 9 categories); ESSPROSS: European System of Integrated Social Protection Statistics.

Notes: **1** In an alternative specification of the family/children welfare function, parental leaves and family allowances are considered as social investment in spite of being provided as cash benefits.

**2** Education includes primary, secondary and post-secondary non tertiary levels (ISCED 1-4); Pre-primary is included in Family/children (daycare) services; High education is counted in R&D. Data on Education for Greece are taken from World Bank database.