

**Details of computation and interpretation of units and measures
used in hrst tables**

Eurostat Indicators on Human Resources in Science and Technology

Annex 8 – Computation, units and measures used in tables

| TABLE Code, Title | UNIT | Code | Label | Nominator | Denominator | Interpretation |
|---|-------------|-------------|---|---|--|--|
| hrst_st_ncat HRST by sub-groups, sex and age | | THS | Thousand | HRST categories by sex and age | | |
| | | PC_POP | Percentage of HRST category in the respective population by sex and age group | HRST categories by sex and age | Total population in the respective sex and age group | Female HRST represented 47.6% of female population aged 25-34 in the EU-28 in 2013 |
| | | PC_ACT | Percentage of active HRST category in the respective active population by sex and age group | Active HRST categories by sex and age | Total active population in the respective sex and age group | Active female HRST represented 54.6% of active female population aged 25-34 in the EU-28 in 2013 |
| hrst_st_nocc Employed HRST by sub-groups, age and occupation | | THS | Thousands | Employed HRST categories by age and ISCO occupation | | |
| | | PC_EMP | Percentage of employed HRST category in the respective age group and ISCO occupation | Employed HRST categories by age and ISCO occupation | Total employed persons in the respective HRST category and age group | About 54% of the 15-74 aged HRSTO are professionals (ISCO2) in the EU-28 in 2013 |
| hrst_st_nsec Employed HRST by sub-groups, age and NACE Rev. 1.1 activity (1994-2008) hrst_st_nsec2 Employed HRST by sub-groups, age and NACE Rev. 2 activity (from 2008 onwards) | | THS | Thousands | Employed HRST categories by NACE and age | | |
| | | PC_EMP | Percentage of employed HRST category in the respective age group and NACE sector | Employed HRST categories by age and NACE | Total employed persons in the respective HRST category and age group | 75.1% of the 15-74 aged HRSTC are in the Total knowledge-intensive services (KIS) in the EU-28 in 2013 |

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|--|--------|--|--|---|--|
| hrst_st_nsecsex Employed HRST by sub-groups, sex, age and NACE Rev. 1.1 activity (1994-2008) | THS | Thousands | Employed HRST categories by sex, age and NACE | | |
| | PC_EMP | Percentage of employed HRST category in the respective sex and age group and NACE sector | Employed HRST categories by sex, age and NACE | Total employed persons in the respective HRST category, sex and age group | 9.6% of the 15-74 aged employed HRST male work in the High-technology sectors (HTC) in the EU-28 while 4.0% of the 15-74 aged employed HRST women are in these sectors |
| hrst_st_nsecsex2 Employed HRST by sub-groups, sex, age and NACE Rev. 2 activity (from 2008 onwards) | THS | Thousands | Tertiary educated HRST (HRSTE) by sex, age and field of education | | |
| | PC_POP | Percentage distribution of tertiary educated HRST (HRSTE) in the respective sex and age group by field of education | Tertiary educated HRST (HRSTE) by sex, age and field of education | Total tertiary educated HRST (HRSTE) in the respective sex and age group | Persons aged 15-74 with a diploma in Science, mathematics and computing (EF4) represent 8.5% of tertiary educated HRST (HRSTE) in BE in 2013 |
| | PC_ACT | Percentage distribution of active tertiary educated HRST (HRSTE) in the respective sex and age group by field of education | Active tertiary educated HRST (HRSTE) by sex, age and field of education | Total active tertiary educated HRST (HRSTE) in the respective sex and age group | Active women aged 15-74 with a diploma in Science, mathematics and computing (EF4) represent 4.9% of active tertiary educated female HRST (HRSTE) in BE in 2013 |
| hrst_st_nfieage HRST with tertiary education by age and field of education | THS | Thousands | Tertiary educated HRST (HRSTE) by age and field of education | | |

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|---|--------|--|--|---|--|
| | PC_POP | Percentage distribution of tertiary educated HRST (HRSTE) in the respective age group by field of education | Tertiary educated HRST (HRSTE) by age and field of education | Total tertiary educated HRST (HRSTE) in the respective age group | Persons aged 25-34 with a diploma in Science, mathematics and computing (EF4) represent 9.3% of tertiary educated HRST (HRSTE) in BE in 2013 |
| | PC_ACT | Percentage distribution of active tertiary educated HRST (HRSTE) in the respective age group by field of education | Active tertiary educated HRST (HRSTE) by age and field of education | Total active tertiary educated HRST (HRSTE) in the respective age group | Active persons aged 25-34 with a diploma in Science, mathematics and computing (EF4) represent 9.1% of active tertiary educated HRST (HRSTE) in BE in 2013 |
| hrst_st_nfieocc Employed HRST with tertiary education by age, field of education and occupation | THS | Thousands | Employed tertiary educated HRST by field of education, age and occupation | | |
| | PC_EMP | Percentage distribution of employed tertiary educated HRST (HRSTE) by field of education in the respective age group and ISCO occupation | Employed tertiary educated HRST (HRSTE) by age, field of education, and ISCO occupation | Total employed tertiary educated HRST (HRSTE) in the respective age group and ISCO occupation | 10% of persons employed as Professionals (ISCO2) in the age group 15-74 have a diploma in Science, mathematics, and computing (EF4) in BE in 2013 |
| hrst_st_nunesex Unemployed persons by HRST sub-groups and sex | THS | Thousands | Unemployed HRST (unemployed tertiary educated persons) by sex Unemployed non-HRST (unemployed non-tertiary educated persons) by sex <i>Reference age group = 15-74</i> | | |

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|---|--------|-----------------------------------|--|---|---|
| | RT_UNE | HRST unemployment rate by sex | Unemployed HRST by sex | Active HRST in the respective sex group | The unemployment rate among HRST was 4.8% in the EU-28 in 2013 |
| | | Non-HRST unemployment rate by sex | Unemployed non-HRST by sex | Active non-HRST in the respective sex group | The unemployment rate among non-HRST was 15.2 % in the EU-28 in 2013 |
| hrst_st_nuneage Unemployed persons by HRST sub-groups and age | THS | Thousands | Unemployed HRST (unemployed tertiary educated persons) by age Unemployed non-HRST (unemployed non-tertiary educated persons) by age | | |
| | RT_UNE | HRST unemployment rate by age | Unemployed HRST by age | Active HRST in the respective age group | The unemployment rate among HRST aged 25-34 was 7.2% and 2.9 % among HRST aged 45-64 in the EU-28 in 2013 |
| | | Non-HRST unemployment rate by age | Unemployed non-HRST by age | Active non-HRST in the respective age group | The unemployment rate among non-HRST was 18.1% in the age group 25-34 and 11.4% in the age group 45-34 in the EU-28 in 2013 |
| | | | | | |
| hrst_st_rcat HRST by sub-groups and NUTS 2 regions | THS | Thousands | HRST categories by NUTS region <i>Reference age group = 15-74</i> | | |

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|---|--------|--|---|--|---|
| | PC_POP | Percentage of HRST category in the total population in the respective NUTS regions | HRST categories by NUTS regions | Total population in the respective NUTS regions | HRST represented 38.4% of the population in the Région de Bruxelles-Capitale (BE10) in 2013 |
| | PC_ACT | Percentage of active HRST category in the total active population in the respective NUTS regions | Active HRST categories by NUTS regions | Active population in the respective NUTS regions | Active HRST represented 51.7% of the active population of the Région de Bruxelles-Capitale (BE10) in 2013 |
| hrst_st_rsex HRST by sub-groups, sex and NUTS 1 regions | THS | Thousands | HRST categories by sex and NUTS regions <i>Reference age group = 15-74</i> | | |
| | PC_POP | Percentage of HRST category in the total population by sex and NUTS regions | HRST categories by sex and NUTS regions | Total population in the respective sex group and NUTS regions | HRST men accounted for 31.0% of the male population in the Région wallonne (BE3) in 2013 |
| | PC_ACT | Percentage of active HRST category in the total active population by sex and NUTS regions | Active HRST categories by sex and NUTS regions | Active population in the respective sex group and NUTS regions | Active HRST women accounted for 51.4% of the active women in the Région wallonne (BE3) in 2013 |
| hrst_st_rage HRST by sub-groups, age and NUTS 1 regions | THS | Thousands | HRST categories by age and NUTS region | | |
| | PC_POP | Percentage of HRST category in the total population by age and NUTS regions | HRST categories by age and NUTS regions | Total population in the respective age group and NUTS regions | HRST represented 48.7% of the population aged 25-34 and 39.5% of the population aged 45-64 in the region Bayern (DE2) in 2013 |

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|--|-----------|---|--|--|--|
| | PC_ACT | Percentage of active HRST category in the total active population by age and NUTS regions | Active HRST categories by age and NUTS regions | Active population in the respective age group and NUTS regions | Active HRST represented 52.4% of the active population aged 25-34 and 45.4% of the active population aged 45-64 in the region Bayern (DE2) in 2013 |
| hrst_st_rsec Employed HRST by sub-groups, NACE Rev. 1.1 activity and NUTS 1 regions (1994 - 2008) | THS | Thousands | Employed HRST categories by NACE <i>Reference age group = 15-74</i> | | |
| | PC_EMP | Percentage of employed HRST category in the respective NACE sector | Employed HRST categories by NACE | Total employed persons in the respective HRST category | 2.2% of employed HRST are in High-technology manufacturing sectors (C_HTC) in the Region East of England (UKH) in 2014 |
| hrst_st_rsec2 Employed HRST by sub-groups, NACE Rev. 2 activity and NUTS 1 regions (from 2008 onwards) | THS | Thousands | Total number of graduations by sex, level and field of education | | |
| | PC_Y20-29 | Percentage of graduations in the population aged 20-29 by sex, level and field of education | Graduations by sex, level and field of education | Total population aged 20-29 | Persons graduated from tertiary level (ED5_6) in Science, technology, manufacturing and engineering (EF4_5) represented 1.7% of the population aged 20-29 in the EU-28 in 2012 |
| hrst_fl_tegrad Graduation from tertiary education (ISCED 1997) by sex, level and field of education | | | | | |

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|--|-----------|---|--|-----------------------------|---|
| | PC_Y25-29 | Percentage of graduations in the population aged 25-29 by sex, level and field of education | Graduations by sex, level and field of education | Total population aged 25-29 | Persons graduated from tertiary level (ED5_6) in Science, technology, manufacturing and engineering (EF4_5) represented 3.4% of the population aged 25-29 in the EU-28 in 2012 |
| hrst_fl_tepart Participation in tertiary education (ISCED 1997) by sex, level and field of education | THS | Thousands | Students enrolled in tertiary education by sex, level and field of education | | |
| | PC_Y20-29 | Percentage of tertiary students in the total population aged 20-29 by sex, level and field of education | Students enrolled in tertiary education by sex, level and field of education | Total population aged 20-29 | Men students enrolled in tertiary education (ED5_6) in the field of Science, technology, manufacturing and engineering (EF4_5) represented 8.4% of the total male population aged 20-29 in BE in 2012 |
| | PC_Y25-29 | Percentage of tertiary students in the total population aged 25-29 by sex, level and field of education | Students enrolled in tertiary education by sex, level and field of education | Total population aged 25-29 | Female students enrolled in tertiary education (ED5_6) in the field of Science, technology, manufacturing and engineering (EF4_5) represented 4.92% of the total population aged 25-29 in BE in 2012 |

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|--|---------|--|--|---|--|
| hrst_fl_tefor Participation of foreign students in tertiary education (ISCED 1997) by field of education | THS | Thousands | Foreign students enrolled in tertiary education by field of education | | |
| | PC_STU | Percentage of tertiary foreign students in the total tertiary students by field of education | Foreign students enrolled in tertiary education by field of education | Total tertiary students by field of education | Foreign students in Science, technology, manufacturing and engineering (EF4_5) represented 18% of the total students in this field in DK in 2012 |
| | PC_FSTU | Percentage distribution of the foreign students by field of education | Foreign students enrolled in tertiary education by field of education | Total tertiary foreign students | 29.3% of foreign students were enrolled in the field of Science, technology, manufacturing and engineering (EF4_5) in DK in 2012 |
| hrst_fl_mobsex Job-to-job mobility of HRST by sex | THS | Thousands | Employed HRST that changed their employer during the last year, by sex <i>Reference age group = 25-64</i> | | |
| | PC | Percentage of HRST that changed their employer during the last year by sex | Employed HRST that changed their employer during the last year, by sex | Employed HRST in the respective sex group | In ES, 4.5% of female HRST reported a change of employer during the year 2013 |
| hrst_fl_mobage Job-to-job mobility of HRST by sex | THS | Thousands | Employed HRST that changed their employer during the last year, by age | | |

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|---|-----|--|--|---|--|
| | PC | Percentage of HRST that changed their employer during the last year by age | Employed HRST that changed their employer during the last year by age | Employed HRST in the respective age group | In BE, 9.7% of HRST aged 25-34 and 2.4% of HRST aged 45-64 reported a change of employer during the year 2013 |
| <i>hrst_fl_mobsect</i> Job-to-job mobility of HRST by NACE Rev. 1.1 activity (1996-2008) | THS | Thousands | Employed HRST that changed their employer during the last year, by NACE sector <i>Reference age group = 25-64</i> | | |
| <i>hrst_fl_mobsect2</i> Job-to-job mobility of HRST by NACE Rev. 2 activity (from 2008 onwards) | PC | Percentage of HRST that changed their employer in the last year by NACE sector | Employed HRST that changed their employer in the last year, by NACE | Employed HRST in the respective NACE sector | In PL, 5.0% of HRST in Manufacturing (C) and 4.4% of HRST in Total knowledge intensive services (KIS) reported a change of employer during the year 2013 |

GLOSSARY**HRST**

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|-----------------|--|
| HRST | Persons with tertiary education (ISCED97 level 5 and 6) and/or employed in science and technology (ISCO08 2 and 3) |
| HRSTE | Persons with tertiary education (ISCED97 level 5 and 6) |
| HRSTO | Persons employed in science and technology (ISCO08 2 and 3) |
| HRSTC | Persons with tertiary education (ISCED97 level 5 and 6) and employed in science and technology (ISCO08 2 and 3) |
| SE | Scientists and engineers - Persons with tertiary education (ISCED97 level 5 and 6) and employed in ISCO08 21, 22 or 25 |
| HRSTU | Unemployed HRST - unemployed persons with tertiary education (ISCED97 level 5 and 6) |
| NON_HRSTU | Unemployed non-HRST - unemployed persons with non-tertiary education (ISCED97 level 1 to 4) |
| ACTIVE HRST | Active tertiary educated persons (ISCED97 level 5 and 6) and/or employed in science and technology (ISCO08 2 and 3) |
| EMPLOYED HRST | Employed tertiary educated persons (ISCED97 level 5 and 6) and/or employed in science and technology (ISCO08 2 and 3) |
| ACTIVE NON-HRST | Active non tertiary educated persons (ISCED97 level 1 to 4) and NOT employed in science and technology (employed in ISCO08 4 to 9) |

ISCED97

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|-------|--|
| ED5_6 | First and second stage of tertiary education (levels 5 and 6), ISCED 1997 |
| ED5 | First stage of tertiary education not leading directly to an advanced research qualification (level 5), ISCED 1997 |
| ED6 | Second stage of tertiary education leading to an advanced research qualification (level 6), ISCED 1997 |

ISCO08

| | |
|--------|---|
| ISCO 2 | Professionals |
| ISCO 3 | Technicians and associate professionals |

UNITS

| | |
|-----------|---|
| THS | Thousand |
| PC_POP | Percentage of total population |
| PC_ACT | Percentage of active population |
| PC_EMP | Percentage of total employment |
| RT_UNE | Rate of unemployment |
| PC_Y20-29 | Percentage of total population aged 20-29 |
| PC_Y25-29 | Percentage of total population aged 25-29 |
| PC_STU | Percentage of total tertiary students |
| PC_FSTU | Percentage of total foreign tertiary students |