# Appendix

## A Details of the Italian tax system

The methodological information on personal system, compulsory social security contributions, universal cash transfers, parameter values, and tax equation, are from (2010).

In the Tables 9 and 10, we report the tax schedule, the amounts of tax credits allowed by different levels of taxable income, and the amount of universal cash transfers. The equations for the Italian system (as on page 316 of OECD (2010)), are mostly repeated for each individual of a married couple. The spouse credit is relevant only to the calculation for the principal earner.

**Table 9 Italian taxation system - tax schedule, tax credits, and universal cash transfers**

| **Tax Schedule** | |
|---|---|
| Bracket (EUR) | Rate (%) |
| Up to 15,000 | 23 |
| Over 15,001 up to 28,000 | 27 |
| Over 28,001 up to 55,000 | 38 |
| Over 55,001 up to 75,000 | 41 |
| Over 75,001 | 43 |
| **Standard Tax Credits** | |
| Level of Taxable Income (EUR) | Amount of Tax Credit (EUR) |
| From 8,001 to 15,000 | 1,338 |
| From 15,001 to 23,000 | 1,338 |
| From 23,001 to 24,000 | 1,348 |
| From 24,001 to 25,000 | 1,358 |
| From 25,001 to 26,000 | 1,368 |
| From 26,001 to 27,000 | 1,378 |
| From 27,001 to 28,000 | 1,363 |
| From 28,001 to 55,000 | 1,338 |
| | |
| Up to 8,000 | 1,840 |
| From 8,001 to 15,000 | 1,338+502*(15,000-Taxable Income)/7,000 |
| From 15,001 to 55,000 | Tax Credit*(5,000-Taxable Income)/4,000 |
| Over 55,001 | 0 |

**Table 10 Italian taxation system - tax schedule, tax credits, and universal cash transfers, cont.d**

**Tax Credits for Family Dependents (earning less than EUR 2,840.51)**

| **Level of taxable income (EUR)** | **Amount of tax credit (EUR)** |
|---|---|
| Up to 15,000 | 800-110*Taxable Income/15,000 |
| From 15,001 to 29,000 | 690 |
| From 29,001 to 29,200 | 700 |
| From 29,201 to 34,700 | 710 |
| From 34,701 to 35,000 | 720 |
| From 35,001 to 35,100 | 710 |
| From 35,101 to 35,200 | 700 |
| From 35,201 to 40,000 | 690 |
| From 40,001 to 80,000 | 690*(80,000-Taxable Income)/40,000 |
| Over 80,000 | 0 |

**Tax credits for dependent children**

| | Younger then 3 years old | Older than 3 years old |
|---|---|---|
| 1 child | 900*(95,000-Taxable Income)/95,000 | 800*(95,000-Taxable Income)/95,000 |
| 2 children | 900*(110,000-Taxable Income)/110,000 | 800*(110,000-Taxable Income)/110,000 |
| 3 children | 900*(125,000-Taxable Income)/125,000 | 900*(125,000-Taxable Income)/125,000 |
| 4 children and over | 200 | 200 |

**Universal cash transfers**

| | | Number of Children | | |
|---|---|---|---|---|
| | | 1 | 2 | 3 |
| Both parents | Max amount (EUR) | 137.50 | 258.33 | 375.00 |
| Single parent | Max amount (EUR) | 137.50 | 258.33 | 458.33 |
| | Max household income (EUR) | 65,210 | 71,445 | 83,494 |

There are fiscal deductions for families that bear child care or other similar costs. That is:

- it is possible to deduct from the tax amount, the 19 percent of the kindergarten fees paid for children younger than 3 years old. The max amount of the deduction is 632 EUR per child, that is a max of 120 EUR per child;
- it is possible to deduct from the taxable income, the social security contributions paid for house-keeping services (the max amount is 1,549.37 EUR).
- it is possible to deduct from the tax amount, the 19 percent of the costs paid for services related to physically impaired household members, for a maximum amount of 2,100 EUR a year.

We do not include these deductions in the model because there is not information available on EU-SILC data set.

## B Summary statistics

**Table 11 Employment rates for 26-54 years old, by gender, 2007-2011**

| | Men | | | Women | | |
|---|---|---|---|---|---|---|
| | **Total** | **Full-time** | **Part-time** | **Total** | **Full-time** | **Part-time** |
| Average | 83.13 | 80.69 | 2.48 | 74.53 | 62.18 | 12.41 |
| Italy | 76.45 | 73.47 | 3.02 | 58.38 | 44.02 | 14.39 |
| Austria | 88.94 | 85.16 | 3.82 | 76.21 | 43.95 | 32.29 |
| Belgium | 82.69 | 77.53 | 5.19 | 74.66 | 44.05 | 30.61 |
| Bulgaria | 79.59 | 76.87 | 2.73 | 74.96 | 71.75 | 3.23 |
| Switzerland | 89.35 | 81.48 | 7.90 | 76.78 | 30.14 | 46.44 |
| Cyprus | 88.33 | 86.17 | 2.23 | 75.35 | 67.78 | 7.60 |
| Czech Republic | 86.76 | 85.98 | 0.80 | 77.12 | 73.50 | 3.81 |
| Germany | 87.84 | 83.44 | 4.47 | 76.19 | 37.04 | 39.23 |
| Denmark | 89.76 | 88.40 | 1.38 | 89.38 | 80.78 | 8.60 |
| Estonia | 82.04 | 80.26 | 1.79 | 81.54 | 76.81 | 4.76 |
| Spain | 80.01 | 77.02 | 3.00 | 67.40 | 53.69 | 13.73 |
| Finland | 80.85 | 80.85 | - | 82.36 | 82.76 | - |
| France | 87.71 | 84.76 | 3.02 | 79.67 | 58.98 | 20.75 |
| Greece | 93.64 | 93.64 | - | 65.76 | 65.76 | - |
| Hungary | 83.49 | 80.74 | 2.77 | 72.63 | 68.97 | 3.68 |
| Ireland | 71.64 | 68.54 | 3.14 | 63.54 | 49.76 | 13.76 |
| Island | 90.02 | 90.02 | - | 91.26 | 91.26 | - |
| Lithuania | 79.36 | 77.51 | 1.90 | 81.17 | 78.43 | 2.74 |
| Luxembourg | 89.01 | 86.82 | 2.23 | 70.36 | 43.64 | 26.75 |
| Latvia | 78.81 | 76.67 | 2.14 | 78.26 | 74.08 | 4.19 |
| Malta | 76.03 | 74.22 | 1.82 | 45.16 | 35.68 | 9.48 |
| Netherland | 90.91 | 85.96 | 5.90 | 82.41 | 50.47 | 31.96 |
| Norway | 92.29 | 92.29 | - | 89.40 | 89.40 | - |
| Poland | 77.17 | 74.33 | 2.85 | 67.16 | 61.27 | 5.77 |
| Portugal | 81.11 | 79.40 | 1.73 | 72.54 | 66.43 | 6.19 |
| Romania | 80.16 | 76.80 | 3.38 | 64.74 | 61.97 | 2.77 |
| Sweden | 91.07 | 91.07 | - | 91.30 | 91.30 | - |
| Slovenia | 86.59 | 85.71 | 0.97 | 85.25 | 82.81 | 2.61 |
| Slovak Republic | 84.12 | 83.29 | 0.87 | 82.13 | 79.08 | 3.10 |
| United Kingdom | 82.47 | 78.70 | 3.78 | 76.58 | 47.76 | 28.82 |

Source: Authors' computations from EU-SILC data (2007-2011).

**Table 12 Labor force participation for 26-54 years old, 2007-2011**

| | | | Married women | | Unmarried women | |
|---|---|---|---|---|---|---|
| | **Women** | **Men** | **w/children** | **w/o children** | **w/children** | **w/o children** |
| Average | 78.99 | 87.43 | 75.04 | 77.28 | 83.20 | 86.87 |
| Italy | 65.99 | 82.56 | 58.72 | 61.33 | 74.62 | 80.76 |
| Austria | 79.52 | 91.62 | 69.99 | 83.53 | 83.95 | 92.30 |
| Belgium | 80.80 | 87.65 | 77.78 | 70.83 | 88.83 | 85.80 |
| Bulgaria | 87.24 | 90.75 | 86.41 | 89.55 | 83.08 | 87.98 |
| Switzerland | 75.65 | 88.94 | 65.77 | 75.35 | 85.30 | 89.65 |
| Cyprus | 77.05 | 89.77 | 73.86 | 74.76 | 83.85 | 88.73 |
| Czech Republic | 80.86 | 89.03 | 75.93 | 88.14 | 77.64 | 88.78 |
| Germany | 81.51 | 92.65 | 71.94 | 84.84 | 86.60 | 92.33 |
| Denmark | 91.14 | 90.77 | 91.88 | 89.58 | 91.23 | 89.65 |
| Estonia | 84.56 | 87.85 | 83.10 | 86.60 | 83.49 | 87.11 |
| Spain | 75.34 | 86.53 | 69.16 | 67.39 | 83.08 | 89.41 |
| Finland | 84.63 | 83.53 | 82.05 | 87.86 | 84.00 | 90.32 |
| France | 83.58 | 91.61 | 79.63 | 82.02 | 86.08 | 90.67 |
| Greece | 71.83 | 97.44 | 66.47 | 65.57 | 87.05 | 88.88 |
| Hungary | 77.07 | 88.58 | 71.93 | 81.09 | 75.33 | 84.96 |
| Ireland | 66.24 | 82.19 | 61.41 | 70.06 | 60.22 | 78.89 |
| Island | 90.12 | 88.70 | 90.21 | 85.43 | 91.08 | 91.02 |
| Lithuania | 85.36 | 86.89 | 86.10 | 84.82 | 86.82 | 83.72 |
| Luxembourg | 72.76 | 91.51 | 64.39 | 71.34 | 83.13 | 89.28 |
| Latvia | 85.54 | 89.62 | 83.82 | 85.65 | 85.30 | 87.53 |
| Malta | 46.53 | 80.38 | 40.12 | 39.28 | 31.14 | 74.81 |
| Netherland | 84.26 | 92.00 | 81.16 | 80.47 | 89.07 | 92.29 |
| Norway | 90.24 | 93.02 | 89.70 | 89.86 | 91.32 | 90.79 |
| Poland | 73.67 | 81.26 | 72.46 | 71.90 | 73.74 | 80.47 |
| Portugal | 79.68 | 87.31 | 78.51 | 75.47 | 84.54 | 84.50 |
| Romania | 66.44 | 83.89 | 63.10 | 65.83 | 68.08 | 76.78 |
| Sweden | 92.75 | 92.46 | 92.35 | 92.08 | 93.43 | 93.12 |
| Slovenia | 90.39 | 90.04 | 90.62 | 88.51 | 91.09 | 90.88 |
| Slovak Republic | 88.51 | 89.11 | 87.19 | 89.46 | 89.81 | 90.21 |
| United Kingdom | 76.95 | 83.49 | 74.50 | 83.57 | 68.76 | 82.80 |

Source: Authors' computations from EU-SILC data (2007-2011).

**Table 13 Descriptive statistics, EU-SILC 2007-2011**

| Variable | Women | | | | Men | | | |
|---|---|---|---|---|---|---|---|---|
| | Married | | Unmarried | | Married | | Unmarried | |
| | Mean | Std.dev. | Mean | Std.dev. | Mean | Std.dev. | Mean | Std.dev. |
| Number of observations | 32,512 | | 13,189 | | 31,176 | | 15,763 | |
| Age | 42.44 | 7.191 | 38.71 | 8.351 | 46.05 | 8.197 | 36.93 | 7.861 |
| With children (%) | 76.37 | | 18.89 | | 74.44 | | 2.69 | |
| Education (%) | | | | | | | | |
| <Secondary Education | 38.50 | | 27.32 | | 43.04 | | 32.71 | |
| Secondary Education | 41.00 | | 40.86 | | 40.18 | | 45.77 | |
| > Secondary Education | 20.50 | | 31.82 | | 16.79 | | 21.53 | |
| Region (%) | | | | | | | | |
| North-West | 21.28 | | 23.05 | | 20.36 | | 22.89 | |
| North-East | 22.91 | | 23.10 | | 22.24 | | 24.13 | |
| Center | 23.31 | | 24.21 | | 22.23 | | 24.01 | |
| South | 23.49 | | 21.18 | | 22.42 | | 20.61 | |
| Islands | 9.01 | | 8.47 | | 8.64 | | 8.37 | |
| Activity Rate (%) | 58.64 | | 79.44 | | 81.63 | | 81.23 | |
| Experience (years) | 23.48 | 9.737 | 18.17 | 10.760 | 26.68 | 10.794 | 17.47 | 9.709 |
| Unemployment Rate (%) | 4.60 | | 9.05 | | 2.36 | | 8.36 | |
| Incidence of Part-time (%) | 15.14 | | 12.51 | | 2.17 | | 4.34 | |
| Average annual earnings (euros) | 10,366.32 | 13,316.31 | 13,534.27 | 13,346.83 | 19,847.51 | 29,155.59 | 15,265.44 | 15,376.28 |
| Household Non-Labor Income (euros) | 9,831.66 | 16,112.9 | 26,764.26 | 34,792.17 | 9,831.66 | 16,112.9 | 29,624.82 | 35,434.67 |

## C Tables

## Table 14 Probit - marginal effects

| | Husband's earnings | Household non-labor income | Controls | Year fixed effects | Log likelihood | Obs. |
|---|---|---|---|---|---|---|
| EU-SILC | -0.020*** | -0.026*** | YES | YES | -109533.990 | 238189 |
| | (0.001) | (0.000) | | | | |
| **Italy** | 0.021*** | -0.016*** | YES | YES | -12111.044 | 19361 |
| | (0.006) | (0.003) | | | | |
| Austria | -0.467*** | -0.052*** | YES | YES | -3710.773 | 6939 |
| | (0.009) | (0.005) | | | | |
| Belgium | 0.000 | -0.027*** | YES | YES | -2571.910 | 5699 |
| | (0.010) | (0.000) | | | | |
| Bulgaria | -0.020*** | -0.008*** | YES | YES | -1794.451 | 5570 |
| | (0.007) | (0.002) | | | | |
| Cyprus | -0.045*** | -0.015*** | YES | YES | -2780.059 | 5491 |
| | (0.011) | (0.004) | | | | |
| Czech Republic | -0.035*** | -0.046*** | YES | YES | -3952.867 | 9165 |
| | (0.008) | (0.005) | | | | |
| Germany | -0.099*** | -0.048*** | YES | YES | -7573.218 | 14549 |
| | (0.007) | (0.004) | | | | |
| Denmark | 0.002 | -0.035*** | YES | YES | -1727.305 | 6961 |
| | (0.003) | (0.002) | | | | |
| Estonia | -0.011 | -0.034*** | YES | YES | -2126.637 | 5549 |
| | (0.007) | (0.004) | | | | |
| Spain | -0.039*** | -0.002 | YES | YES | -5759.401 | 10392 |
| | (0.008) | (0.002) | | | | |
| Finland | 0.004* | -0.040*** | YES | YES | -3972.846 | 10899 |
| | (0.002) | (0.003) | | | | |
| France | -0.020*** | -0.043*** | YES | YES | -4810.512 | 11138 |
| | (0.005) | (0.003) | | | | |
| Greece | -0.048** | -0.0422*** | YES | YES | -769.667 | 1408 |
| | (0.020) | (0.005) | | | | |
| Hungary | -0.026*** | -0.095*** | YES | YES | -4981.650 | 10096 |
| | (0.006) | (0.009) | | | | |
| Ireland | -0.023* | -0.078*** | YES | YES | -1759.876 | 2951 |
| | (0.013) | (0.010) | | | | |
| Island | 0.008 | -0.032*** | YES | YES | -1007.359 | 3343 |
| | (0.005) | (0.008) | | | | |
| Lithuania | 0.034*** | -0.009*** | YES | YES | -2092.163 | 5920 |
| | (0.005) | (0.002) | | | | |
| Luxembourg | -0.114*** | -0.047*** | YES | YES | -4103.403 | 6899 |
| | (0.011) | (0.006) | | | | |
| Latvia | -0.006 | -0.016*** | YES | YES | -2055.710 | 5157 |
| | (0.005) | (0.003) | | | | |
| Netherland | -0.050*** | -0.024*** | YES | YES | -6444.979 | 14794 |
| | (0.006) | (0.003) | | | | |
| Norway | -0.002 | -0.030*** | YES | YES | -1728.368 | 6761 |
| | (0.004) | (0.003) | | | | |
| Poland | -0.034*** | -0.025*** | YES | YES | -6862.262 | 12994 |
| | (0.006) | (0.001) | | | | |
| Portugal | -0.001 | -0.012*** | YES | YES | -2112.542 | 4715 |
| | (0.009) | (0.003) | | | | |
| Romania | -0.016 | -0.005*** | YES | YES | -3956.107 | 7645 |
| | (0.011) | (0.001) | | | | |
| Sweden | 0.009*** | 0.016*** | YES | YES | -1551.213 | 7344 |
| | (0.002) | (0.003) | | | | |
| Slovenia | 0.007** | -0.012*** | YES | YES | -3238.175 | 13497 |
| | (0.003) | (0.002) | | | | |
| Slovak Republic | -0.005 | -0.031*** | YES | YES | -2625.656 | 8187 |
| | (0.006) | (0.002) | | | | |
| United Kingdom | -0.050*** | -0.025*** | YES | YES | -3324.460 | 7396 |
| | (0.008) | (0.003) | | | | |

Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

Source: Authors' computations from EU-SILC data (2007-2011).

**Table 15 Alternative taxation systems - main characteristics**

| Bracket (euros) | Rate | Individual tax credit | Tax credit for dependent spouse | Tax credit for dependent children | Universal cash transfers |
|---|---|---|---|---|---|
| | | | *Italian Taxation System* | | |
| 0-15,000 | 23% | between 0 and 1,840 euros, | between 0 and 800 euros, | 800 euros per child, | 137.50 euros monthly per child, |
| 15,000-28,000 | 27% | decreasing in | decreasing in | decreasing in | decreasing in |
| 28,000-55,000 | 38% | income | income | income | family income |
| 55,000-75,000 | 41% | | | | |
| more than 75,000 | 43% | | | | |
| | | | *Joint Tax System* | | |
| 0-15,000 | 23% | 0 | 0 | 0 | 0 |
| 15,000-28,000 | 27% | | | | |
| 28,000-55,000 | 38% | | | | |
| 55,000-75,000 | 41% | | | | |
| more than 75,000 | 43% | | | | |
| | | | *Working tax credit* | | |
| 0-15,000 | 23% | 1,840 euros, | 0 | 0 | 137.50 euros monthly for the first child, |
| 15,000-28,000 | 27% | independent of income | | | 121 euros monthly for following children, |
| 28,000-55,000 | 38% | | | | independent of income |
| 55,000-75,000 | 41% | | | | |
| more than 75,000 | 43% | | | | |
| | | | *Gender Based Taxation System* | | |
| | | | *Men and Women* | | |
| 0-15,000 | 23% | between 0 and 1,840 euros, | between 0 and 800 euros, | 800 euros per child, | 137.50 euros monthly per child, |
| 15,000-28,000 | 27% | decreasing in | decreasing in | decreasing in | decreasing in |
| 28,000-55,000 | 38% | income | income | income | family income |
| 55,000-75,000 | 41% | | | | |
| more than 75,000 | 43% | | | | |

Women: the final tax is 67% of the total tax net of the standard tax credits

## Table 16 Results: alternative (revenue neutral) taxation systems (%)

| Taxation System | Total: Women | Total: Men | Unmarried women | Unmarried men | Married women: With children | Married women: Without children | Married men: With children | Married men: Without children | Married women, Inelastic husband's labor supply: With children | Married women, Inelastic husband's labor supply: Without children |
|---|---|---|---|---|---|---|---|---|---|---|
| *Average Tax Rate of Households* | | | | | | | | | | |
| Benchmark Model | 24.13 | | 22.05 | 24.52 | 23.46 | 28.03 | | | 20.24 | 27.38 |
| Joint Tax | 24.42 | | 24.47 | 24.60 | 24.25 | 24.58 | | | 20.24 | 27.37 |
| Working Tax Credit | 24.86 | | 24.86 | 27.04 | 20.48 | 29.24 | | | 13.97 | 24.16 |
| Gender-Based Tax | 31.27 | | 7.94 | 10.92 | 29.34 | 17.84 | | | 16.26 | 16.73 |
| *Second Earner Tax Rate* | | | | | | | | | | |
| Benchmark Model | 25.26 | 29.47 | 22.05 | 24.52 | 26.75 | 27.21 | 35.33 | 31.57 | 21.18 | 25.97 |
| Joint Tax | 24.49 | 24.77 | 24.47 | 24.61 | 24.83 | 26.15 | 24.69 | 25.72 | 24.89 | 25.52 |
| Working Tax Credit | 24.14 | 29.05 | 24.86 | 27.04 | 23.33 | 25.18 | 30.99 | 31.17 | 20.32 | 25.25 |
| Gender-Based Tax | 21.66 | 26.62 | 18.43 | 25.31 | 23.22 | 23.42 | 27.37 | 29.33 | 21.12 | 21.96 |
| *Participation Rate* | | | | | | | | | | |
| Data | 64.18 | 81.72 | 80.94 | 81.71 | 58.06 | 60.97 | 81.97 | 81.00 | 58.06 | 60.97 |
| Benchmark Model | 64.42 | 82.09 | 81.98 | 82.35 | 58.10 | 61.16 | 82.02 | 81.25 | 58.11 | 61.18 |
| Joint Tax | 63.94 | 81.15 | 81.29 | 82.45 | 57.52 | 61.30 | 79.31 | 81.69 | 54.53 | 61.69 |
| Working Tax Credit | 66.03 | 80.56 | 80.47 | 79.56 | 61.16 | 62.27 | 82.08 | 79.86 | 58.67 | 61.24 |
| Gender-Based Tax | 65.31 | 78.09 | 84.13 | 81.52 | 57.80 | 65.81 | 72.05 | 83.39 | 58.43 | 65.18 |
| *Employment Rate: Part-time* | | | | | | | | | | |
| Data | 14.62 | 3.33 | 11.45 | 4.52 | 16.99 | 11.28 | 1.98 | 2.70 | 16.99 | 11.28 |
| Benchmark Model | 14.62 | 3.33 | 11.45 | 4.52 | 16.99 | 11.28 | 1.98 | 2.70 | 16.99 | 11.28 |
| Joint Tax | 10.35 | 3.30 | 9.55 | 4.24 | 11.63 | 8.54 | 2.35 | 2.96 | 15.12 | 10.77 |
| Working Tax Credit | 17.25 | 4.25 | 10.97 | 4.45 | 18.86 | 12.74 | 4.36 | 3.08 | 17.59 | 11.83 |
| Gender-Based Tax | 10.80 | 3.69 | 10.39 | 4.63 | 11.97 | 9.26 | 2.48 | 4.33 | 15.47 | 10.77 |
| *Employment Rate: Full-time* | | | | | | | | | | |
| Data | 43.71 | 72.84 | 59.40 | 68.35 | 36.62 | 45.12 | 77.95 | 75.30 | 36.62 | 45.12 |
| Benchmark Model | 43.71 | 72.84 | 59.40 | 68.35 | 36.62 | 45.12 | 77.95 | 75.30 | 36.62 | 45.12 |
| Joint Tax | 49.55 | 71.63 | 58.48 | 68.22 | 39.34 | 46.82 | 75.40 | 74.02 | 36.87 | 45.89 |
| Working Tax Credit | 41.31 | 70.36 | 56.68 | 65.43 | 35.19 | 43.21 | 75.80 | 73.57 | 36.67 | 44.94 |
| Gender-Based Tax | 51.09 | 68.67 | 61.93 | 67.35 | 37.58 | 48.56 | 68.71 | 74.05 | 38.30 | 47.22 |

Source: Authors' computations from EU-SILC data (2007-2011).

## Table 17 Variations in transition flows as a share of married women

| | Joint taxation | | | | |
|---|---|---|---|---|---|
| **Benchmark** | **Out of LF** | **Unemployed** | **Part-time** | **Full-time** | **Total** |
| *Lower Secondary Education* | | | | | |
| Out of LF | - | 7.06 | 1.50 | 3.58 | 12.14 |
| Unemployed | 3.14 | - | 0.34 | 1.10 | 4.58 |
| Part-time | 5.57 | 0.79 | - | 5.07 | 11.43 |
| Full-time | 4.97 | 0.80 | 5.46 | - | 11.23 |
| Total | 13.50 | 8.65 | 7.30 | 9.75 | |
| *Upper Secondary Education* | | | | | |
| Out of LF | - | 4.44 | 1.84 | 3.84 | 10.12 |
| Unemployed | 2.49 | - | 0.37 | 1.10 | 3.96 |
| Part-time | 4.39 | 0.67 | - | 9.69 | 14.75 |
| Full-time | 3.48 | 0.78 | 7.19 | - | 11.45 |
| Total | 10.36 | 5.89 | 16.70 | 14.63 | |
| *Tertiary Education* | | | | | |
| Out of LF | - | 2.14 | 1.87 | 5.75 | 9.76 |
| Unemployed | 1.91 | - | 0.21 | 0.96 | 3.08 |
| Part-time | 2.79 | 0.31 | - | 9.73 | 12.83 |
| Full-time | 2.61 | 0.57 | 7.24 | - | 10.42 |
| Total | 7.31 | 3.02 | 9.32 | 23.68 | |
| *0 children* | | | | | |
| Out of LF | - | 3.87 | 1.35 | 3.92 | 9.14 |
| Unemployed | 2.66 | - | 0.26 | 1.10 | 4.02 |
| Part-time | 3.65 | 0.55 | - | 5.73 | 9.93 |
| Full-time | 3.23 | 0.90 | 6.20 | - | 10.33 |
| Total | 9.54 | 5.32 | 7.81 | 10.75 | |
| *1 or more children* | | | | | |
| Out of LF | - | 5.28 | 1.83 | 4.21 | 11.32 |
| Unemployed | 2.60 | - | 0.35 | 1.06 | 4.01 |
| Part-time | 4.76 | 0.67 | - | 8.63 | 14.06 |
| Full-time | 4.05 | 0.70 | 6.65 | - | 11.40 |
| Total | 11.41 | 6.65 | 8.83 | 13.90 | |
| *10% poorest* | | | | | |
| Out of LF | - | 10.37 | 1.53 | 5.10 | 17.00 |
| Unemployed | 6.90 | - | 0.20 | 2.59 | 9.69 |
| Part-time | 3.47 | 0.55 | - | 2.41 | 6.43 |
| Full-time | 3.37 | 0.51 | 1.16 | - | 5.04 |
| Total | 13.74 | 11.43 | 2.89 | 11.10 | |
| *80% in the middle* | | | | | |
| Out of LF | - | 4.58 | 1.69 | 3.98 | 10.25 |
| Unemployed | 2.34 | - | 0.36 | 0.99 | 3.69 |
| Part-time | 4.77 | 0.72 | - | 8.79 | 14.28 |
| Full-time | 3.92 | 0.77 | 6.67 | - | 11.36 |
| Total | 11.03 | 6.07 | 8.72 | 13.76 | |
| *10% richest* | | | | | |
| Out of LF | - | 2.45 | 2.18 | 4.49 | 9.12 |
| Unemployed | 0.51 | - | 0.20 | 0.17 | 0.88 |
| Part-time | 3.37 | 0.48 | - | 6.80 | 10.65 |
| Full-time | 3.88 | 0.78 | 10.91 | - | 15.57 |
| Total | 7.76 | 3.71 | 13.29 | 11.46 | |

**Table 18 Variations in transition flows as a share of married women**

| | Working tax credit | | | | |
|---|---|---|---|---|---|
| **Benchmark** | **Out of LF** | **Unemployed** | **Part-time** | **Full-time** | **Total** |
| *Lower Secondary Education* | | | | | |
| Out of LF | - | 5.78 | 3.79 | 4.57 | 14.14 |
| Unemployed | 2.79 | - | 0.84 | 1.11 | 4.74 |
| Part-time | 4.51 | 0.67 | - | 4.86 | 10.04 |
| Full-time | 3.96 | 0.67 | 7.56 | - | 12.19 |
| Total | 11.26 | 7.12 | 12.19 | 10.54 | |
| *Upper Secondary Education* | | | | | |
| Out of LF | - | 3.89 | 3.09 | 3.58 | 10.56 |
| Unemployed | 2.39 | - | 0.56 | 1.04 | 3.99 |
| Part-time | 4.16 | 0.74 | - | 8.25 | 13.15 |
| Full-time | 3.02 | 0.80 | 10.43 | - | 14.25 |
| Total | 9.57 | 5.43 | 14.08 | 12.87 | |
| *Tertiary Education* | | | | | |
| Out of LF | - | 2.07 | 2.71 | 4.40 | 9.18 |
| Unemployed | 1.99 | - | 0.42 | 0.67 | 3.08 |
| Part-time | 3.20 | 0.31 | - | 7.79 | 11.30 |
| Full-time | 2.85 | 0.72 | 10.63 | - | 14.20 |
| Total | 8.04 | 3.10 | 13.76 | 12.86 | |
| *0 children* | | | | | |
| Out of LF | - | 3.63 | 2.18 | 3.85 | 9.66 |
| Unemployed | 2.57 | - | 0.52 | 1.00 | 4.09 |
| Part-time | 3.56 | 0.46 | - | 5.36 | 9.38 |
| Full-time | 3.50 | 0.92 | 8.32 | - | 12.74 |
| Total | 9.63 | 5.01 | 11.02 | 10.21 | |
| *1 or more children* | | | | | |
| Out of LF | - | 4.41 | 3.61 | 4.21 | 12.23 |
| Unemployed | 2.42 | - | 0.67 | 0.98 | 4.07 |
| Part-time | 4.25 | 0.71 | - | 7.33 | 12.29 |
| Full-time | 3.29 | 0.67 | 9.72 | - | 13.68 |
| Total | 9.96 | 5.79 | 14.00 | 12.52 | |
| *10% poorest* | | | | | |
| Out of LF | - | 7.96 | 3.23 | 7.28 | 18.47 |
| Unemployed | 6.50 | - | 0.82 | 2.76 | 10.08 |
| Part-time | 2.99 | 0.17 | - | 2.55 | 5.71 |
| Full-time | 2.38 | 0.68 | 1.77 | - | 4.83 |
| Total | 11.87 | 8.81 | 5.82 | 12.59 | |
| *80% in the middle* | | | | | |
| Out of LF | - | 4.03 | 3.27 | 3.73 | 11.03 |
| Unemployed | 2.19 | - | 0.67 | 0.88 | 3.74 |
| Part-time | 4.38 | 0.74 | - | 7.54 | 12.66 |
| Full-time | 3.42 | 0.74 | 9.60 | - | 13.76 |
| Total | 9.99 | 5.51 | 13.54 | 12.15 | |
| *10% richest* | | | | | |
| Out of LF | - | 2.11 | 3.37 | 4.11 | 9.59 |
| Unemployed | 0.54 | - | 0.20 | 0.10 | 0.84 |
| Part-time | 2.89 | 0.48 | - | 5.81 | 9.18 |
| Full-time | 3.67 | 0.75 | 15.23 | - | 19.65 |
| Total | 7.10 | 3.34 | 18.80 | 10.02 | |

## Table 19 Variations in transition flows as a share of married women

| | Gender-based taxation | | | | |
|---|---|---|---|---|---|
| **Benchmark** | **Out of LF** | **Unemployed** | **Part-time** | **Full-time** | **Total** |
| *Lower Secondary Education* | | | | | |
| Out of LF | - | 7.23 | 1.39 | 4.11 | 12.73 |
| Unemployed | 3.09 | - | 0.38 | 1.10 | 4.57 |
| Part-time | 5.48 | 0.83 | - | 5.19 | 11.50 |
| Full-time | 4.87 | 0.74 | 5.71 | - | 11.32 |
| Total | 13.44 | 8.80 | 7.48 | 10.40 | |
| *Upper Secondary Education* | | | | | |
| Out of LF | - | 4.53 | 1.70 | 4.64 | 10.87 |
| Unemployed | 2.39 | - | 0.32 | 1.16 | 3.87 |
| Part-time | 4.80 | 0.67 | - | 9.27 | 14.74 |
| Full-time | 4.00 | 0.83 | 7.51 | - | 12.34 |
| Total | 11.19 | 6.03 | 9.53 | 15.07 | |
| *Tertiary Education* | | | | | |
| Out of LF | - | 2.10 | 1.65 | 5.64 | 9.39 |
| Unemployed | 1.83 | - | 0.24 | 0.93 | 3.00 |
| Part-time | 3.34 | 0.36 | - | 9.06 | 12.76 |
| Full-time | 3.60 | 0.67 | 7.24 | - | 11.51 |
| Total | 8.77 | 3.13 | 9.13 | 15.63 | |
| *0 children* | | | | | |
| Out of LF | - | 3.76 | 1.32 | 5.29 | 10.37 |
| Unemployed | 2.38 | - | 0.35 | 1.31 | 4.04 |
| Part-time | 3.02 | 0.48 | - | 6.48 | 9.98 |
| Full-time | 2.76 | 0.71 | 6.20 | - | 9.67 |
| Total | 8.16 | 4.95 | 7.87 | 13.08 | |
| *1 or more children* | | | | | |
| Out of LF | - | 5.44 | 1.65 | 4.45 | 11.54 |
| Unemployed | 2.58 | - | 0.32 | 1.02 | 3.92 |
| Part-time | 5.28 | 0.72 | - | 8.06 | 14.06 |
| Full-time | 4.70 | 0.78 | 6.95 | - | 12.43 |
| Total | 12.56 | 6.94 | 8.92 | 13.53 | |
| *10% poorest* | | | | | |
| Out of LF | - | 9.73 | 1.60 | 6.29 | 17.62 |
| Unemployed | 6.67 | - | 0.37 | 2.59 | 9.63 |
| Part-time | 3.47 | 0.24 | - | 2.38 | 6.09 |
| Full-time | 2.93 | 0.58 | 1.12 | - | 4.63 |
| Total | 13.07 | 10.55 | 3.09 | 11.26 | |
| *80% in the middle* | | | | | |
| Out of LF | - | 4.81 | 1.52 | 4.42 | 10.75 |
| Unemployed | 2.27 | - | 0.34 | 1.02 | 3.63 |
| Part-time | 5.08 | 0.73 | - | 8.49 | 14.30 |
| Full-time | 4.42 | 0.78 | 6.84 | - | 12.04 |
| Total | 11.77 | 6.32 | 8.70 | 13.93 | |
| *10% richest* | | | | | |
| Out of LF | - | 2.28 | 1.97 | 4.86 | 9.11 |
| Unemployed | 0.54 | - | 0.20 | 0.14 | 0.88 |
| Part-time | 3.43 | 0.61 | - | 6.60 | 10.64 |
| Full-time | 4.18 | 0.78 | 11.87 | - | 16.83 |
| Total | 8.15 | 3.67 | 14.04 | 11.60 | |

# D Figures

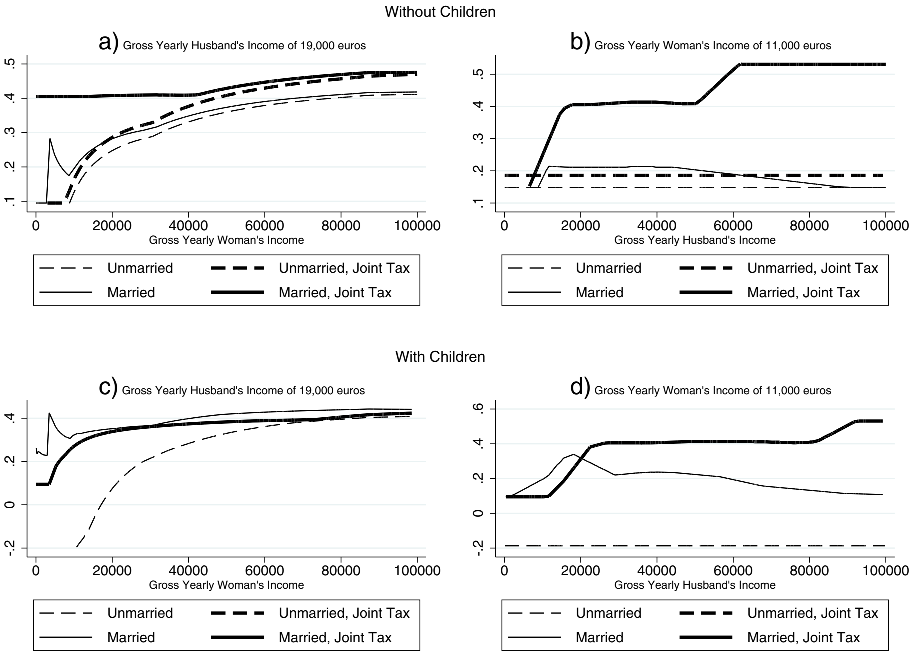


**Figure 8 Second earner tax rate by marital status and presence of children - joint taxation.** Source: authors' simulations.

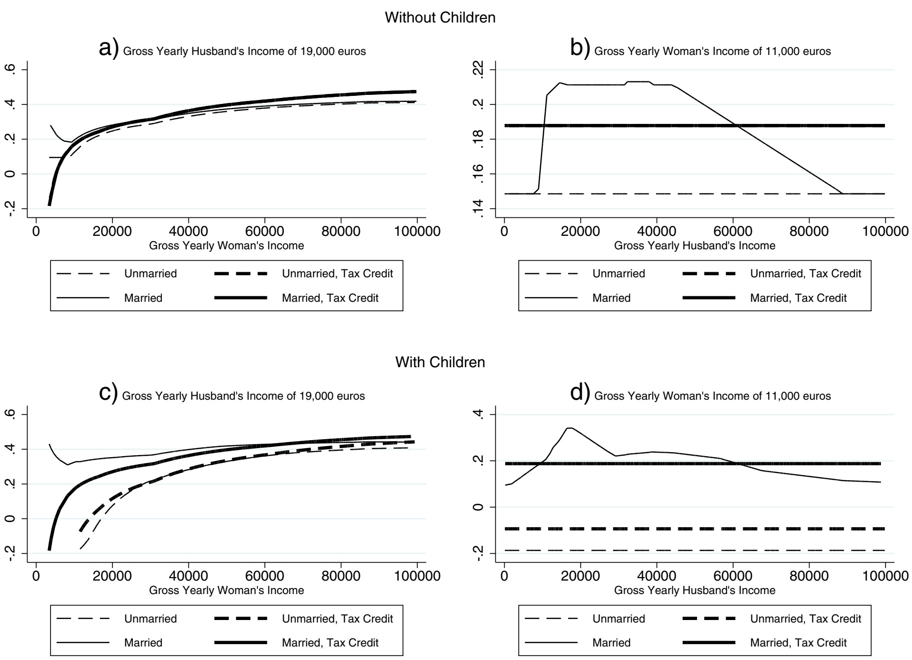


**Figure 9 Second earner tax rate by marital status and presence of children - working tax credit.** Source: authors' simulations.

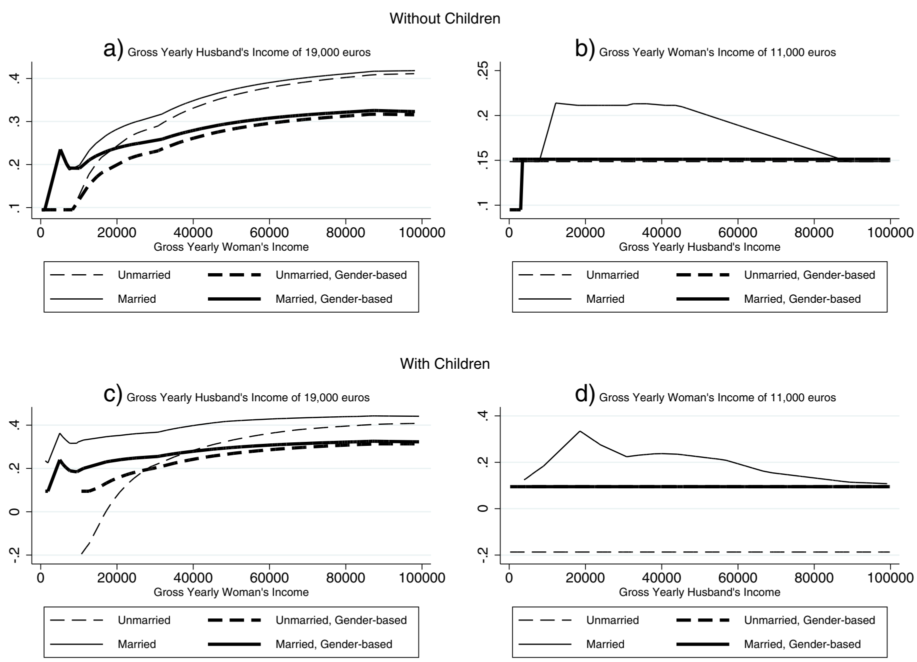


**Figure 10 Second earner tax rate by marital status and presence of children - gender-based taxation.** Source: authors' simulations.