

EUROMOD

COUNTRY REPORT



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EUROMOD is a tax-benefit microsimulation model for the European Union (EU) that enables researchers and policy analysts to calculate, in a comparable manner, the effects of taxes and benefits on household incomes and work incentives for the population of each country and for the EU as a whole.

EUROMOD covers the 28 Member States and is updated to recent policy systems using data from the European Union Statistics on Income and Living Conditions (EU-SILC) as the input database, supported by DG-EMPL of the European Commission.

The European Commission is in the process of taking over responsibility for carrying out the annual update and release of EUROMOD. The transfer of responsibility is expected to be complete by the end of 2020 and the transition is being facilitated by close cooperation between the University of Essex and the Joint Research Centre (JRC) of the European Commission as well as Eurostat.

This report documents the work done in one annual update for Austria. This work was carried out by the EUROMOD core developer team, based in ISER at the University of Essex and at JRC-Seville, in collaboration with a national team.

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The results presented in this report are derived using EUROMOD version I3.0. EUROMOD is continually being improved and the results presented here may not match those that would be obtained with later versions of EUROMOD. For more information, see:

<https://www.euromod.ac.uk>

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<http://ec.europa.eu/social/easi>. The information contained within this document does not necessarily reflect the position or opinion of the European Commission.

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1. BASIC INFORMATION

1.1 Basic information about the tax-benefit system

- The tax-benefit system is largely a unified, national system. The main exceptions are social assistance and family bonus regulations, which differ according to each federal state.
- The “fiscal year” runs from 1st of January to 31st of December. Main changes in the tax-/benefit system happen with the beginning of the New Year but may also be implemented in July or in other months.
- State pension age is 60 for women and 65 for men.
- Minimum school leaving age is 15; dependent children are defined as aged below 18 or below 24 and in full time education and a yearly taxable income of max. € 10,000 (from the calendar year in which the child becomes 20 years old) or with disability. The definition is based on the eligibility criteria of the family allowance.
- Socially protected groups for tax and benefit purposes: Lone parent: The person liable to tax, who receives for at least 1 child year family allowance for at least 7 months in the calendar, is considered as lone parent as long he/she does not cohabit for more than six months in the calendar year. Tax purposes: Single earner: Single earners are persons liable to tax who are married or in cohabitation for more than 6 months in the calendar year and who are not permanently separated. The income of the spouse must not exceed a certain yearly income limit and the child tax credit must be granted for at least one child for at least 7 months in the calendar year. Benefit purposes: Multiple children supplement: If the yearly taxable family income (applying person plus spouse; gross minus social insurance contributions minus tax allowances; excl. special payments) was below € 55,000 in the previous year, for each 3rd and further child a multiple child supplement of € 20.00 is granted.
- The income tax system is an individual system, with the spouses being assessed independently. However, the family tax credit (“Familienbonus”; from 2019) and the child tax allowance (“Kinderfreibetrag”; up to 2018) can be divided equally into two parts between parents.
- The following income sources are taxed differently: Of pension benefits resulting from a voluntary higher insurance, only 25% are liable to income tax. (Pensions from a premium-favoured pension provision, premium-favoured future provision and of the new severance pay system are exempted from tax.) “Special Payments” (“Sonderzahlungen”, 13th, 14th employment income, pension, sickness benefit) up to € 25,000 per year and severance pay are only taxed with the preferential rate of 6%. For each employee, civil servant, pensioner and receiver of sickness benefit it is assumed that they receive special payments, which is close to reality. The withholding tax rate on investment income is 25% (dividend earnings from domestic capital companies, foreign dividends, which are paid out by a domestic bank, interest earnings in the broader sense, substance profits [„Substanzgewinne“] of domestic funds on funds level.).
- Some taxpayers are obliged to fill in a tax return at the end of the financial year. This is the case, if a person liable to tax received two or more incomes liable to wage tax in a calendar year at the same time; if a person has received sickness benefit; if a person beside his employment income or pension has received additional incomes of more than 730 €/year related to other incomes types according to the income tax law, etc.

- For the income tax there are no statutory indexing regimes. For social insurance contributions there is an adaptation factor for the upper and the lower contribution limit. For pensions it is stipulated that they are indexed with the CPI, however, for most years discretionary indexing takes place. Family benefits and care benefit are not indexed. The assessment base for benefits from the unemployment insurance dating back to previous years is upgraded from year to year. Social assistance benefits follow partly the indexing in the pension insurance.
- The means-tested benefit system assesses entitlement according to benefit unit income. Basically, the benefit unit is the nuclear family - the couple (cohabiting or married) or single adult plus any dependent children. Relevant period for income assessment on means-tested benefits: Benefits with monthly income test: unemployment benefits, housing allowance, minimum pension top-up, minimum income benefit, family bonuses of the Federal States; benefits with yearly income test: family allowance (incomes of the child, family income for multiple children supplement), study allowance, childcare benefit; Except for the multiple children supplement within the family allowance (related to the taxable income in the year before) the means-tests relate to current income.
- Minimum wage: In 2007 a basic agreement of the social partners was concluded that a minimum wage of EUR 1,000 (14 times a year) should soon be implemented in the collective agreements. It can be assumed that by now the minimum wage is above EUR 1,300 for almost all employees. In 2017 the social partners agreed that by the end of 2019 the minimum wages in all collective agreements should reach at least EUR 1,500 (14 times a year).

1.2 Social Benefits¹

1) Maternity benefit (*Wochengeld: bma*): The maternity benefit is a replacement income for female employees during the legal retention period before and after the birth of a child. At the beginning of the legal retention period the applying mother has to be compulsory insured in the health insurance. Basically, the maternity benefit is granted eight weeks before the birth till eight weeks after the birth. The amount depends on the amount of the prior net employment income or the benefit from the unemployment insurance or the receipt of childcare benefit. A potential income of the receiver of maternity benefit due to continued remuneration or employment leads to the suspension of the maternity benefit up to the amount of the achieved income. The maternity benefit is exempted from tax.

2) Maintenance payments by the state (*Staatlicher Unterhaltsvorschuss: ypt*): Maintenance payments by the state should secure the maintenance of children in case one parent does not fulfil his/her obligations. There is only entitlement for minor children (below 18 years of age) with Austrian or EU/EEA-citizenship or conventional refugees who usually stay in Austria. The maintenance payment by the state is paid starting with the applying month at most for 5 years and at most till reaching 18 years of age. Basically it amounts to the legal claim to maintenance and is limited with the standard rate of pensions for single orphans above 24 years. There is no means-test. The maintenance payment by the state is exempted from tax.

3) Study allowance (*Studienbeihilfe: bed*): The study allowance should enable students from families with low incomes to complete their studies. Pre-condition to an entitlement are orderly studies. The proof of successful studies is necessary. Foreigners and stateless persons are equated with Austrian citizens under certain conditions. A basic criterion is social need whereat the

¹ Benefits not simulated. For simulated benefits see chapter 2. Policy descriptions are mainly based on Kammer für Arbeiter und Angestellte 2015-2018a.

decisive factors are income and family status. To a limited extent also the student him/herself may have further incomes. Basically the study allowance is granted at most for the legally stipulated study duration plus an additional semester per studies section. The amount depends on the income situation of the parents, the size of the family, the family status, the place of residence and the incomes of the student. The study allowance is exempted from tax.

4) Pupil allowance (*Schülerbeihilfe und Heimbeihilfe: bed*): The pupil allowance represents a support for pupils from families with low incomes in case they prolong school attendance beyond the general compulsory education. The asylum allowance („Heimbeihilfe“) represents a support for pupils from families with low incomes in case they have for the purpose of attending school to live outside the place of residence of their parents. Entitled are Austrian citizens who attend a middle or higher school from the 9th level of education (asylum allowance) and from the 10th level of education (pupil allowance) on, in case they are in social need and can proof school success. Citizens from EU/EEA-states, conventional refugees and other persons under certain conditions are equated with Austrian citizens. Decisive for granting the allowances are income, family status and family size of the pupil, his/her parents and his/her marriage partner. The amount of the allowances depends on the income of the parents, of the marriage partner and of the pupil him/herself as well as on family size and family status of the pupil. The allowances are exempted from tax.

5) Pension advancement (*Pensionsvorschuss: bunct, bunnc*): The pension advancement represents a financial security for persons who applied for a pension during receipt of unemployment benefit or assistance. There has to be a pension application which is likely to be accepted. The pre-conditions for unemployment benefit or assistance except willingness to work and capability to work must be fulfilled. The means-test refers to the means-test of the underlying unemployment benefit or assistance. The duration of receipt refers to the duration of receipt of the unemployment benefit or assistance. The amount of the pension advancement refers to the amount of the unemployment benefit or assistance with certain ceilings. In case of underlying pre-conditions there is entitlement to family supplements. The pension advancement is exempted from tax (however, see „progression adjustment“).

6) Rehabilitation benefit (*Rehabilitationsgeld: bhl*): The rehabilitation benefit is granted together with measures of medical rehabilitation. It amounts to the level of the sickness benefit, but amounts at least to the amount of the minimum pension top up for singles. Basically it is granted without time limit. However, usually once a year a medical assessment takes place. In case a substantial improvement of the health status is observed the rehabilitation will be withdrawn. In case of an employment income beyond the limit for marginal employment the rehabilitation benefit is only granted in parts. The rehabilitation benefit belongs to the incomes from non-self employed work and is liable to income tax. 6/7 of the rehabilitation benefit are taxed under the regular tax rates, 1/7 belongs to special payments and is only taxed with the preferential rate of 6%.

7) Sickness benefit (*Krankengeld: bhl*): The sickness benefit represents a replacement income for the income loss due to incapacity to work for employees liable to health insurance contributions. The sickness benefit is suspended completely (to 50%) in periods of entitlement to continuing remuneration of more than 50% (of 50%) of the income before the beginning of incapacity to work. There is no means-test. The sickness benefit is granted from the 4th day of incapacity to work. Basically it is paid for max. 26 weeks. Basically, the amount of the sickness benefit depends on the prior period of contributions and on the duration of the incapacity to work. The sickness benefit belongs to the incomes from non-self employed work and is liable to income tax. 6/7 of the sickness benefit are taxed under the regular tax rates, 1/7 belongs to special payments and is only taxed with the preferential rate of 6%.

8) Accident pension (*Versehrtenrente UV: bac00*): The accident pension represents a compensation for the occurred damage due to an impairment of the capacity to work following an occupational accident or disease. Basically entitled are employees, self employed, pupils and students, participants in training courses. An insured event (occupational accident or disease) must have occurred. In addition, the impairment of the capacity to work must amount to at least 20 % (pupils, students 50 %). There is no means-test. Basically the accident pension is granted for the duration of the impairment of the capacity to work (at least by 20%). The amount depends on the degree of the impairment of the capacity to work and on the assessment base. The accident pension is paid 14 times per year. It is exempted from tax.

9) Accident survivor's pension (*Hinterbliebenenrenten UV: bac01*): The accident survivor's pension represents a transfer money of entitlements based on compensation for damages vis-à-vis the author of damage. The following persons are potentially entitled to accident survivor's pension: spouse, children, parents in need and non-provided siblings of accident insured persons. There is no means-test. The widow/er pension is granted up to the death of the widow/er or his/her re-marriage. The orphans' pension is granted till the child reaches 18 years of age, for children incapable to work for an unlimited period of time. At the latest the orphan's pension for students is withdrawn when they reach 27 years of age. The pension is paid 14 times a year. In the first instance the amount of the pension depends on the assessment base of the deceased insured person. The yearly widow/er pension amounts to 20 % of the assessment based of the deceased person. The year orphans' pension amounts to 20 % of the assessment base of the deceased persons for a single orphaned child and to 30% for a double orphaned child. The survivor's pension from the accident insurance is exempted from tax and paid without any deductions.

10) Care benefit (*Pflegegeld: bdi*): The care benefit should cover care-related additional expenditures across-the-board. There is entitlement to the care benefit in case there is a need for care in the extent of more than 65 hours per month due to a disability for a minimum period of six months. There is no means-test. The amount of the care benefit depends on the extent on the need for care. There are seven care degrees. The care benefit is paid 12 times a year and is granted as long as the pre-conditions are fulfilled. The care benefit is exempted from tax and paid without any deductions.

11) Regular old age pension (*Normale Alterspension PV: poa00*): The old age pension represents a replacement income for the insurance case old age. There is entitlement to old age pension in case the minimum insurance time is fulfilled within a certain period of time. Old age pensioners must have reached the legal pension age (men 65, women 60). There is no means-test. The amount of the old-age pension depends on the assessment base and on the number of insurance months. In case the old-age pension and other family income fall short of the standard rates, the minimum pension top-up is granted. Furthermore a child bonus is granted for each child who is maintained by the pensioner. The pension incl. potential supplements (minimum pension top-up, child bonus) are paid 14 times per year. The gross pension is reduced by the health insurance contribution and by income tax.

12) Early retirement pension (*Vorzeitige Alterspension bei langer Versicherungsdauer PV, „Hacklerregelung“ PV, „Korridorpension“ PV: poa00*): In case of an appropriate number of insurance months elder persons insured in the pension insurance are enabled to retire before reaching the legal pension age. A certain age and an appropriate duration of pension insurance has to be fulfilled. Depending on the concrete pension form and/or the year of retirement certain deductions for each month of early retirement before the legal pension age are applied (limited by in sum 15%). In case the early retirement pension and other family income fall short of the standard rates, the minimum pension top-up is granted. Furthermore a child bonus is granted for each child who is maintained by the pensioner. The pension incl. potential supplements (minimum pension top-up, child bonus) are paid 14 times per year. The gross pension is reduced by the health insurance contribution and by income tax.

13) Invalidity pension (*Invaliditäts- oder Berufsunfähigkeitspension PV: poa00*): Persons insured in the pension insurance whose capability to work has decreased due to their health status in order that they are completely unable to work or at least cannot continue with their present job (depending on the distinct group of persons), should be provided against the economic outcomes of a limited working capability by being granted invalidity pension. A certain number of insurance months and invalidity or incapability to work is required. The necessary minimum number of insurance time depends on the age. Under certain conditions the qualifying period is achieved in any case. In case the pensioner has an employment income above minor employment, the invalidity pension is granted as partial pension. The invalidity pension is calculated following the principles of the old-age pension. In case, the invalidity pension is taken up before reaching 60 years of age, each month up to 60 years is counted as (fictitious) insurance month. However, in this case the amount of pension is limited with 60% of the assessment base. In case the early retirement pension and other family income fall short of the standard rates, the minimum pension top-up is granted. Furthermore a child bonus is granted for each child who is maintained by the pensioner. The pension incl. potential supplements (minimum pension top-up, child bonus) are paid 14 times per year.

14) Widow/ers' pension (*Hinterbliebenenpensionen PV : psu*): Widow/ers' pension should compensate the loss of maintenance which occurred by the death of the marriage or registered partner. A minimum period of insurance of the deceased person has to be existed (at least five years, more in case of older persons). Under certain conditions the qualifying period is achieved in any case. A potential income consideration depends on the pension key date and the difference in the assessment bases between the deceased person and his/her widow/er. Widow/ers' pensions amount between 0% and 60 % of the pension, the deceased person has received or would have been entitled to. It is paid 14 times per year. Depending on the concrete circumstances the widow/ers' pension might be a timely unlimited or limited benefit. In case the widow/ers' pension and other family income fall short of the standard rates, the minimum pension top-up is granted. The gross pension is reduced by the health insurance contributions and by income tax.

15) Orphans' pension (*Waisenpension PV : psu*): With the orphan's pension a social coverage is granted to orphans, in case of the death of one or both parents the obligation to maintenance cannot be fulfilled anymore. There is entitlement to orphan's pension for conjugal and non-conjugal children, adopted children and stepchildren, provided that a minimum insurance period of the deceased parent exists. There is no means-test. Basically children are entitled below 18 years of age. The orphan's pension is granted below 27 years of age in case of full-time education. In case of incapacity to work the orphan's pension can be granted for an unlimited period of time. The orphan's pension amounts to 24 % of the pension of the deceased person for single orphans and to 36% for double orphans. In case the orphan's and other net incomes fall short of the respective standard rate, the minimum pension top-up is granted. The pension (incl. a potential top-up) is paid 14 times per year. From the gross pension only income tax but not health insurance contribution is deducted.

16) Civil servants' pension (*Ruhegenuss PG: poacs*): Civil servants' pension is a replacement income for civil servants after dislocation into the retirement status due to old age or disability for service. A minimum service period of basically 15 years and reaching a certain age is required. In case of disability for service the minimum service period is basically reduced to 5 years. There is no means-test. The civil servants' pension depends on the duration of service period and the assessment base. In case of early retirement deductions are due. As a rule for each child of the pensioner a child bonus is granted. In case the pension and other family income fall short of the standard rates, the minimum pension top-up for civil servants is granted. The pension (incl. potential supplements) is paid 14 times per year. The gross amount is reduced by pension insurance contribution (excl. pension top-up and child bonus), health insurance contribution and income tax.

17) Housing allowance („Wohnbeihilfe“: bho): For the individual support of current monthly costs (rent, credit rates) a housing allowance, in the first instance offered by the Federal States, can be granted. Most Federal States offer a general housing allowance (not linked to a certain type of flat, e.g., subsidized newly built houses). In most cases the Austrian citizenship or the citizenship of an EU-country is required. Partly, non-EU-citizens can apply for housing allowance under certain conditions. The granting of housing benefits is means-tested. The benefit amount depends on family income, family size and the concrete regulations in each Federal State. Housing benefits are exempted from social insurance contributions and income tax.

18) The COVID-family hardship fund (Familienhärtefonds) for parents affected by short-time work, unemployment or shortfall of self-employed activity due to the crisis provides up to € 1,200 per month for a maximum of three months. The family income must not exceed certain limits. In case of families, who were already affected by unemployment before the crisis, the support (here from the family crisis fund/Familienkrisenfonds) is limited with in total € 100 per child.

- *Not strictly benefits*

In addition there are components of income that are not strictly part of the benefit system. These include:

Continued remuneration in case of sickness (“Entgeltfortzahlung im Krankheitsfall”): The continued remuneration in case of sickness should allow for an adequate maintenance for the employee and his/her family in case he/she is unable to work due to sickness or accident. The employee is granted a continued remuneration in case of sickness, in case of work accidents and in case of cures and stays at health resorts. The duration depends on the duration of the employment contract. Basically each employee is entitled to full continued remuneration up to six weeks. Furthermore he/she is entitled to another four weeks for half the remuneration. However, no variable for continued remuneration in case of sickness is included in EU-SILC. Potential amounts should be included in employment income (yem).

Severance pay (“Abfertigung”): According to the duration of the employment contract the (old) severance pay system provides a certain number of monthly salaries in case the employee is dismissed by the employer or in case the employee retires. For severance pay no social insurance contributions are due and they are taxed with the preferential tax rate of 6% only. Although there is an own variable for severance pay in the EU-SILC, at least parts of the severance pay, which cannot easily be filtered out, are also included in employment, unemployment or pension income variables. Thus, we did not include an own variable for severance pay in EUROMOD.

Insolvency deficiency compensation (“Insolvenz-Ausfallgeld”): Insolvency deficiency compensation is granted in case of opening insolvency proceedings, etc. It is paid for entitlement to current remuneration and entitlement referring to the termination of an employment contract (severance pay, etc.). However, for insolvency deficiency compensation no variable is included in EU-SILC. Potential amounts should be included in employment income (yem).

Company (ypp01) and private pensions (ypp02): Company pensions are additional benefits to the legal pension. They are voluntary benefits which the employer grants his employees. They are regulated via single working contracts, company or collective agreements. They can comprise of old-age, invalidity or survivor’s pensions. There are also special payments (13th, 14th pension) which are taxed with the preferential tax rate of 6%. No social insurance contributions are due. Since EU-SILC 2012 data, information on companies is no longer available but company pensions are partly included in poa00.

Private pensions are benefits from a voluntary private pension plan. There are no special payments (13th, 14th pension). No social insurance contributions are due.

Payments from pension funds (payments and pensions, which are based on contributions by the employer, are fully taxable; of payments and pensions, which are based on contributions by the employee, only 25% are taxed. Pensions from a premium-favored pension provision, premium-favored future provision and of the new severance pay system are exempted from tax.

1.3 Social contributions

Social insurance contributions finance pensions and other contributory benefits. Generally there is an upper and a lower contribution limit. There are different classes of contributions for civil servants, employees in the private sector, free-lancers (“freie Dienstnehmer/Innen”) and self-employed (tradesmen, farmers, professionals). The relevant contribution base is the (monthly) gross income.

1.4 Taxes

Income tax (“Einkommensteuer”): Income tax refers to the income of natural persons liable to tax during a calendar year. The taxable income consists of the total amount of incomes after compensation with losses, stemming from the different income types after consideration of exceptional expenditures and legal deductions.

Capital gains tax (“Kapitalertragssteuer”): The capital gains tax of 25 % (capital incomes from deposits and non-certified other claims at credit institutions) or 27.5 % (all other capital incomes) is designed as final taxation. Thus, capital gains are not considered anymore for calculating the individual income tax rate.

Corporate income tax (“Körperschaftsteuer”): Income of juridical persons is subject to corporate income tax. The tax rate amounts to 25%.

Turnover tax (Value added tax; “Umsatzsteuer”): The Austrian turnover tax represents a value added tax. Entrepreneurs can claim back the tax which was cleared by other enterprises from the fiscal authorities (deduction of input turnover tax, “Vorsteuerabzug”). The tax rate amounts to 20%. A reduced tax rate of 10 % or 13 % applies to certain goods or services whereas other distinctive goods or services are completely exempted from turnover tax.

2. SIMULATION OF TAXES AND BENEFITS IN EUROMOD

2.1 Scope of simulation

Basically, the bigger part of benefits cannot be simulated either due to missing data on contribution history (maternity benefit, sickness benefit, pensions) or due lacking data on eligibility criteria. Benefits which lend themselves to simulate are either universal (most family benefits) or means-tested (family bonuses, minimum income benefit). Unemployment benefit and unemployment assistance are partly simulated using assumptions for the contribution history.

On the other hand, all social insurance contributions can be simulated, as the contribution bases (gross incomes) are available in the data and contributions rates are either universal or depend on personal characteristics available in the data.

On the sides of taxes, the direct and personal taxes income tax and capital gains tax can be simulated.

2.1.1 Part simulated tax-benefit components

Some benefits use eligibility information from the data due to lack of information in the data to simulate all eligibility rules. This is the case for unemployment related benefits in Austria: unemployment benefit, unemployment assistance and family supplement for unemployed. Unemployment benefit is only simulated for those with receipt of the benefit in the data. The simulation of unemployment assistance is partly depended on the simulation of the unemployment benefit. In addition, unemployment assistance is also calculated for those receiving the benefit in the data. The family supplement is available for those receiving either unemployment benefit or unemployment assistance and is thus, indirectly based on benefit receipt in the data too.

Part-simulated elements within full-simulated benefits: Supplement to the family allowance for children with disability: information on children with disability in the household is imputed by comparing simulated results of family allowance with the information in the data. Children are defined to be disabled if the difference is the amount of the supplement.

Table 1: Simulation of benefits in EUROMOD

	Variable name(s)	Treatment in EUROMOD				Why not fully simulated?
		2017	2018	2019	2020	
COVID: hardship fund for self-employed	bwkmcse_s	-	-	-	S	
COVID: short-time work (wage compensation paid by state)	bwkmcee_s	-	-	-	S	
COVID family-hardship fund	-	-	-	-	-	Very limited roll-out of benefit
Maternity benefit	bma	I	I	I	I	No data on contribution history
Maintenance payments state	ypt	I	I	I	I	No data on extent of eligibility
Study allowance	bed	I	I	I	I	No data on eligibility criteria
Pupil allowance	bed	I	I	I	I	No data on eligibility criteria
Pension advancement	bunct, bunncc	I	I	I	I	No data on contribution history
Rehabilitation benefit	bhl	I	I	I	I	No data on contribution history
Sickness benefit	bhl	I	I	I	I	No data on contribution history
Accident pension	bac00	I	I	I	I	No data on contribution history
Accident survivor' pension	bac01	I	I	I	I	No data on contribution history
Care benefit	Bdi	I	I	I	I	Information on care degree only in the data
Regular old age pension PV	poa00	I	I	I	I	No data on contribution history
Early retirement pensions PV	poa00	I	I	I	I	No data on contribution history
Invalidity pension PV	poa00	I	I	I	I	No data on contribution history
Widow/er's pension	psu	I	I	I	I	No data on contribution history
Orphan's pension	psu	I	I	I	I	No data on contribution history
Civil servants pension PG	poacs	I	I	I	I	No data on contribution history
Housing benefits	bho	I	I	I	I	No information on eligibility conditions in the data
Unemployment benefit	bunct_s	PS	PS	PS	PS	Contribution history is assumed
Unemployment assistance	bunncc_s	PS	PS	PS	PS	Contribution history is assumed
Family supplement	bunmt_s	PS	PS	PS	PS	Contribution history is assumed
Minimum pension top-up PV	pmmtu_s	(S)	(S)	(S)	(S)	simulated, but already included in poa00; thus not in dispy
Minimum pension top-up civil servants PG	pcstu_s	(S)	(S)	(S)	(S)	simulated, but already included in poacs; thus not in dispy
Child bonus pensioners PV	(pch00_s)	(S)	(S)	(S)	(S)	can be simulated, but already included in poa00

Child bonus for civil service pensioners PG	(pchcs_s)	(S)	(S)	(S)	(S)	can be simulated, but already included in poacs
Maternity benefit	bmact_s	S	S	S	S	Contribution history is assumed
Maternity benefit self-employed	bmact_s	S	S	S	S	Contribution history is assumed
Child care benefit	bcc00_s	S	S	S	S	-
Child care benefit allowance	bcctu_s	S	S	S	S	-
Minimum Income Benefit (Vienna)	bsa_s	S	S	S	S	-
Family bonus (Vienna)	bfamt_s	S	S	S	S	-
Family allowance	bch00_s	S	S	S	S	-
Single payment pensioners	ptu_s	S	-	-	-	-

Notes: “I”: *included* in the micro-data but not simulated; “PS” *partially simulated* as some of its relevant rules are not simulated; “S” *simulated* although some minor or very specific rules may not be simulated.

Table 2: Simulation of taxes and social contributions in EUROMOD

	Variable name(s)	Treatment in EUROMOD				Why not fully simulated?
		2017	2018	2019	2020	
Income tax	tin_s	S	S	S	S	-
Capital gains tax	tin_y_s	S	S	S	S	-
Accident insurance ER	tscer_s	S	S	S	S	-
Accident insurance SE	tscse_s	S	S	S	S	-
Health insurance EE	tscee_s	S	S	S	S	-
Health insurance pensioners	tscepe_s	S	S	S	S	-
Health insurance ER	tscer_s	S	S	S	S	-
Health insurance SE	tscse_s	S	S	S	S	-
Pension insurance EE	tscee_s	S	S	S	S	-
Pension insurance pensioners (civil servants)	tscepe_s	S	S	S	S	-
Pension insurance ER	tscer_s	S	S	S	S	-
Pension insurance SE	tscse_s	S	S	S	S	-
Unemployment insurance EE	tscee_s	S	S	S	S	-
Unemployment insurance ER	tscer_s	S	S	S	S	-
Contribution housing benefit EE	tscee_s	S	S	S	S	-
Contribution housing benefit ER	tscer_s	S	S	S	S	-
Union contribution EE	tscee_s	S	S	S	S	-
Contribution family benefits fund ER	tscer_s	S	S	S	S	-
Contribution insolvency fund ER	tscer_s	S	S	S	S	-

Notes: “S” policy is *simulated* although some minor or very specific rules may not be simulated.

2.2 Order of simulation and interdependencies

The following table shows the order in which the main elements of the Austrian system 2017-2020 are simulated. As the system features few structural changes within this period, we use one table to display policy simulations over the four years’ span.

We simulate employee social insurance contributions and self-employed social insurance contributions. These parameters are on the list of deductibles for the personal income taxation, and therefore need to be simulated before the personal income tax.

Most of the simulated benefits are neither subject to social insurance contributions nor to income tax. Thus, their inclusion into the spine is relatively flexible. Family allowance is simulated relatively at the beginning as other benefits depend on the receipt of family allowance.

(Minimum pension top-up is subject to health insurance contributions. Thus, it has to be simulated before simulating health insurance contributions for pensioners.)

As unemployment benefit and unemployment assistance are not taxable but taken into account for calculating income tax for other incomes (progression adjustment), there are dependencies between these t/b elements which require temporary simulations.

The last elements in the spine are means-tested family and social benefits. As for these, a rather long list of preceding incomes has to be considered, they have to be simulated as the last parameters in the spine.

Table 3: EUROMOD Spine: order of simulation

Description	Policy
Set default values	setdefault_at
Uprating factors	uprate_at
Define general constants	ConstDef_at
Standard income concepts	IlsDef_at
UDB specific income concepts	IlsUDBDef_at
Austrian specific income concepts	IIDef_at
Defining random assignments	random_at
Labour market adjustments	Policy is switched off; TransLMA_at
Assessment units	tundef_at
Minimum wage	Policy is switched off; yem_at
Recode negative self-employment income to zero	neg_at
COVID: income compensation for self-employed	ysecomp_at
SIC employer	tscer_at
SIC employee	tscee_at
SIC self employed	tscse_at
Family allowance (main child benefit)	Temporary calculation; bch00_at
Child bonus for pensioners	Policy is switched off; pch00_at
Child bonus for civil servant pensioners	Policy is switched off; pchsc_at
Unemployment benefit	Temporary calculation; bunct_at
Minimum Pension top-up	1 st run with bunnc_s=0; pmmtu_at
Minimum Pension top-up civil servants	1 st run with bunnc_s=0; pcstu_at
SIC pensioners	1 st run with bunnc_s=0; tscepe_at
Family allowance (main child benefit)	2 nd run with ils_sicpe>0; bch00_at
Income tax	1 st run with bunnc_s=0; tin_at
COVID: months and hours in compensation scheme for employed	Policy is switched off: yempcomptime_at
COVID: Wage compensation scheme (short-time work)	yemcomp_at
Unemployment assistance	Temporary calculation of bunnc_s; bunnc_at
Unemployment benefit	Final calculation of bunct_s and bunmt_s (family supplements) which involved bunnc_s; bunct_at
Unemployment assistance	Final calculation of bunnc_s; bunnc_at
Maternity benefit	Policy switched off in baseline; bma_at
Minimum Pension top-up	2 nd run with bunnc_s simulated; pmmtu_at
Minimum Pension top-up civil servants	2 nd run with bunnc_s simulated; pcstu_at
SIC pensioners	2 nd run with bunnc_s simulated; tscepe_at
Income tax	2 nd run with bunnc_s simulated; tin_at
Maternity benefit	Policy is switched off; 2 nd run with tscepe_s simulated; bma_at
Tax on investment income	tin_y_at

Child Care Benefit	bcc00_at
Child Care Benefit Allowance	bcctu_at
Family bonus (Vienna)	bfamt_at
Minimum Income Benefit (Vienna)	bsa_at
Single payment pensioners (2017 only)	ptu_at
Standard output – individual level	output_std_at
Standard output – household level	Policy is switched off; output_st_hh_at

2.3 Extensions

The Austrian model includes various ‘extensions’ (previously called ‘switches’), that enable users to switch certain simulations on or off. They are indicated by little coloured symbols in the row-number column of the spine. Switchable policies can be turned ON or OFF through the run dialog box without changing the model itself. In the baseline a switchable policy is set to its default (ON or OFF) as specified in this documentation. The following global extensions are applicable for the case of Austria:

Parental leave benefits (PARBEN): the simulation of the maternity benefit is switched off in the baseline as it is difficult to simulate the eligibility criteria and the level of the benefit for mothers but can be switched on through the PARBEN switch for the policy systems 2015-2020.

Minimum wage (MWA): this extension allows for switching on and off the minimum wage policy (yem_at). By default, this extension is switched off in the baseline but can be switched on to test potential reforms of the minimum wage (Mindestlohn).

The following policies are switched-off in the baseline but cannot be switched on through the run dialogue: Child bonus for pensioners, Child bonus for civil servant pensioners, Minimum Pension top-up and Minimum Pension top-up civil servants. They are switched off as their values are already included in the original pension variables in the SILC data.

2.4 Simulated social benefits

2.4.1 Unemployment benefit (Arbeitslosengeld: bunct_s)

Table 4: Characteristics of the unemployment benefit

		2017	2018	2019	2020
Eligibility	Contribution period	<ul style="list-style-type: none"> • 52 weeks (12 months) of employment liable to unemployment insurance in the last 24 months • 28 weeks (6.5 months) in the last 12 months if person has already received unemployment benefit/parental leave benefit in the past • 26 weeks (6 months) in the last 12 months if below the age of 25 			
	Other conditions	No old-age pension, invalidity pension or pension for civil servants. Gross employment income (14 times) below:			
		425.70	438.05	446.81	460.66
	Eligibility of self-employed	Only if voluntarily insured			
Payment	Contribution base	Daily net income: annual income divided by 12 (includes special payments) - SIC for single white collar employee - income tax This net amount is multiplied by 12 and divided by 365.			
	Basic amount	55% of the daily net income			
	Additional amount	<ul style="list-style-type: none"> • Complement (top-up in case 55% of the daily net income is below the floor) • Family supplement (see extra section) 			
	Floor (daily)	29.66	30.31	31.10	32.22
	Ceiling (daily)	53.36	54.49	56.46	57.58
		Sum of basic amount and complement must not exceed 60% of the daily net income Sum of basic amount, complement and family supplement must not exceed 80% of the daily net income			
Duration	Standard (in months)	<ul style="list-style-type: none"> • 20 weeks (4.6 months) 			
	Special cases (in month)	<ul style="list-style-type: none"> • 30 weeks (7 months) if worked 156 weeks (3 years) • 39 weeks (9 months) if worked 312 weeks (6 years) during last 10 years and aged 40 or older • 52 weeks (12 months) if worked 468 weeks (9 years) during the last 15 years and aged 50 or older • 78 weeks (18 months) after completing occupational measures of rehabilitation • 156 weeks (36 months) if participating in re-training measures 			
Subject to	Taxes	No (but see progression adjustment)			
	SIC	No			

• *Definitions*

The unemployment benefit should compensate for the income loss of employees due to unemployment.

- **Entitlement conditions**

The unemployed person has to be capable to work, willing to work and unemployed.

- Basically during the last 24 months before applying for the benefit, the unemployed person needs at least 52 weeks of employment liable to unemployment insurance.
- In case the unemployed person has already received unemployment benefit or parental leave benefit (predecessor of childcare benefit, but insurance-based) in the past, the unemployed person needs at least 28 weeks of employment liable to unemployment insurance during 12 months.
- Persons who apply for the unemployment benefit below 25 years of age need 26 weeks of employment liable to unemployment insurance during 12 months.

Unemployment benefit is not granted in case an old age pension, invalidity pension or a pension for civil servants is granted or there is entitlement to.

- **Income test**

Beside the unemployment benefit the unemployed person is allowed to have an employment income up to gross (14 times) 460.66 in 2020. In case of an income beyond this limit the unemployment benefit is suspended. In case of temporary employment, 90 % of the net income which exceeds 460.66 (2020) per month is offset the unemployment benefit.

The relevant income relates to the income stipulated in the income tax law. Deviations refer to

- certain tax exempted incomes, which are added to the income, and
- an adjustment for a consolidation into a lump sum in case of calculating the income from self employment by using average rates.
- Income parts liable to the reduced tax rate (6%, especially special payments 13th, 14th up to 1/6 of the yearly income and legal severance pay) are not considered.

Payments in kind have to be considered with the respective monetary value.

- **Benefit amount**

The maximum duration of receipt depends on the duration of employment liable to unemployment insurance before applying for the unemployment benefit and on the age of the unemployed person:

- It amounts to at least 20 weeks and is increased to
- 30 weeks in case of 156 weeks of employment liable to unemployment insurance;
- 39 weeks in case of 312 weeks of employment liable to unemployment insurance during the last 10 years and at least 40 years of age;
- 52 weeks in case of 468 weeks of employment liable to unemployment insurance during the last 15 years and at least 50 years of age (at the time of applying for unemployment benefit);
- 78 weeks after completion of occupational measures of rehabilitation which started after 31 December 2010.

In case the unemployed person participates in occupational re-training measures in the framework of a occupational foundation, the duration of receipt is prolonged up to 156 weeks. In addition, the duration of receipt is prolonged by the duration of a participation in a labor market oriented measure by the labor market service.

The amount of the unemployment benefit depends on the prior employment income and in case of entitlement to family supplements on the family size. It consists of the basic amount, potential family supplements and a potential complement. In case of applying for the unemployment benefit in the 1st half-year of a calendar year the yearly contribution base of the second to last calendar year is considered, in case of applying in the 2nd half-year of a calendar year the yearly contribution base of the last calendar year is taken is considered.

As basic amount 55% of the daily net income is granted daily.

- For the calculation of the daily net income the respective yearly contribution base is to be divided by 12.
- This amount has to be reduced by the social insurance contributions for a single white collar employee and the relevant income tax under consideration of tax allowances granted without application and then to be multiplied by 12 and divided by 365.

In case the contribution bases to be taken into account are older than 1 year at the time of applying for the unemployment benefit, they have to be upgraded by the upgrading factor of the relevant years. The highest daily unemployment benefit (basic amount) amounts to € 57.58 in 2020.

- In case the unemployment benefit (basic amount plus family supplements) are lower than daily €32.22 (2020), a complement amounting to the difference is granted.
- However, the sum of the basic amount and complement must not exceed 60% of the daily net income.
- In case of entitlement to family supplements, the sum of the basic amount, the family supplements and the complement must not exceed 80% of the daily net income.

COVID-related measure (bunettu_s): all individuals receiving unemployment benefit for at least two months between May and August 2020 receive a lump-sum payment of €450. This lump-sum is excluded from means-tests for the minimum income benefit.

EUROMOD notes: based on the available empirical statistics we simulate the lump-sum payment for individuals who receive the unemployment benefit or unemployment assistance benefit for at least 2 months in the underlying EU-SILC input data.

- **Treatment**

The unemployment benefit is exempted from SIC and tax (however, see: „progression adjustment”). It is paid without any deductions.

EUROMOD Notes: If the ceiling of 80% for the sum of basic amount plus family supplements plus complement is exceeded, the unemployment benefit is cut accordingly in the model whereas the family supplement remains unchanged.

2.4.2 Unemployment assistance (Notstandshilfe: bunnc_s)

Table 5: Characteristics of the unemployment assistance

		2017	2018	2019	2020				
Eligibility	Contribution period	See unemployment benefit							
	Other conditions	No old-age pension, or pension for civil servants. Partner income below ceiling (see detailed description below; abolished with 1.7.2018). Own gross employment income (14 times) below:							
		425.70	438.05	446.81	460.66				
	Eligibility of self-employed	Only if voluntarily insured							
Payment	Contribution base	Basic amount and complement of the unemployment benefit							
	Basic amount	First 6 months: <ul style="list-style-type: none"> • 95% of both basic amount and complement if the daily rate of the unemployment benefit is below the floor of the unemployment benefit. • 92% of the basic amount if the daily rate of the unemployment benefit is above the floor of the unemployment benefit but min. 95% of the floor. After the first 6 months: <ul style="list-style-type: none"> • If unemployment insurance benefit received for 20 weeks: unemployment assistance must not exceed the floor of the unemployment benefit. • If unemployment insurance benefit received for 30 weeks: unemployment assistance must not exceed, the daily rate of: <table border="0" style="margin-left: 20px;"> <tr> <td>34.60</td> <td>35.33</td> <td>36.27</td> <td>37.57</td> </tr> </table> • If unemployment insurance benefit received 39/52, the unemployment assistance is not reduced. • If unemployed person is aged 45 or older, the amount of the unemployment assistance is calculated taking also the unemployment benefit granted for the most extended period of time into account. From the basic amount of the unemployment assistance, the accountable income of the unemployed person and (until 1.7.2018) his/her partner is subtracted.				34.60	35.33	36.27	37.57
	34.60	35.33	36.27	37.57					
Additional amount	Family supplement (see extra section)								
Duration	Standard (in months)	12 months but unlimited number of follow-up applications possible							
Subject to	Taxes	No (but see progression adjustment)							
	SIC	No							

• *Definitions*

The unemployment assistance is a benefit for unemployed persons by the unemployment insurance after the entitlement to unemployment benefit is exhausted.

- **Entitlement conditions**

The receiver of unemployment assistance has to be unemployed, capable to work and willing to work. In addition the person has to be in a state of emergency.

Unemployment assistance is not granted in case an old age pension or a pension for civil servants is granted or there is entitlement to.

- **Income test**

a) Unemployed person:

Beside unemployment assistance the unemployed person is allowed to receive an employment income which does not exceed gross € 460.66 (14 times per month, value refers to 2020). The same regulations as for employment income in case of receiving unemployment benefit apply. In addition each income of the unemployed person (e.g., widow pension, income from renting and leasing, maintenance) is considered.

b) Married partner: (abolished with 1.7.2018)

The partner has an amount of exemption of € (2016: 558; 2017: 562; 2018: 571) per month.

- The amount of exemption is increased by (2016: € 279; 2017: 281; 2018: 285.5) per month for each person entitled to maintenance of the partner (e.g., children). The part of the net incomes which exceeds the amount of exemption is directly charged to the amount of the unemployment assistance.
- In case the unemployed person has reached 50 years of age and the entitlement to unemployment benefit of 52 weeks or more is exhausted, the amount of exemption is increased by 100 % (2016: € 1,116; 2017: 1,124; 2018: 1,142), as well as the increase of the amount of exemption for persons entitled to maintenance (2016: € 558; 2017: 562; 2018: 571).
- The amounts of exemption are increased by 200 %, in case the unemployed person became unemployed after reaching 55 years of age and having received unemployment benefit for at least 52 weeks and having proofed at least 240 months of qualifying periods; in case the unemployed person has reached 54 years of age and has been employed for at least 180 months liable to unemployment insurance during the last 25 years before reaching 54 years of age. In these case, the monthly amount of exemption amounts to (2016: € 1,674; 2017: 1,686; 2018: 1,713), the increase of the amount of exemption for persons entitled to maintenance amounts to (2016: € 837; 2017: 843; 2018: 856.5).
- In case the unemployed person or his partner have reached 50 years of age and is at least 50% disabled or receives an invalidity pension, the amounts of exemption/income limits have to be increased by 50%.
- The consideration of the income is only effective up to the minimum standard rate for 2 persons (2016: € 1,256; 2017: 1,266; 2018: 1,294 per month). This limit is increased for the first three minor children with entitlement to family allowance (2016: by € 151; 2017: 152; 2018: 155 per month) and by (2016: € 126; 2017: 127; 2018: 129 per month) from the fourth minor child with entitlement to family allowance onwards.

The relevant income for the unemployment assistance relates to the income concept of the income tax law:

- gross incomes (employment income, self employment income) –
- gross special payments –
- social insurance contributions –

- income tax –
- cost of earnings deduction (€ 132 per year).

Payments in kind have to be considered with the respective monetary value. Maintenance payments have to be considered.

Not considered are among others:

- care benefit, family allowance,
- income parts which are subject to the reduced income tax rate (special payments 13th, 14th up to 1/6 of the yearly income, severance payments),
- housing benefits.

- ***Benefit amount***

Unemployment assistance is granted for max. 12 months. However, an unlimited number of follow-up applications is possible.

The amounts of the unemployment assistance depends a) on the amount of the basic amount and the complement of the unemployment benefit, b) the duration of receipt of unemployment benefit, c) the accountable income of the unemployed person and his/her partner as well as d) the number of due family supplements.

- a) The unemployment assistance for the first 6 months amounts to 95% of the basic amount of the unemployment benefit plus 95% of the complement, in case the unemployment benefit does not exceed the daily upper limit of € 29.66 (2018: 30.31; 2019: 31.10; 2020: 32.22). In case the upper limit is exceeded, the person receives 92% of the basic amount of the unemployment benefit but minimum 95% of the upper limit mentioned above.
- b) After six months of receipt of unemployment assistance: In case of prior unemployment benefit of 20 weeks the unemployment assistance (after regarding the income) must not exceed € 29.66 (2018: 30.31; 2019: 31.30; 2020: 32.22) daily. In case of prior unemployment benefit of 30 weeks the unemployment assistance (after regarding the income) must not exceed € 34.60 (2018: 35.33; 2019: 36.27; 2020: 37.57) daily. In case of prior unemployment benefit of 39/52 weeks, the unemployment assistance is not curtailed. In case the unemployed person has reached 45 years of age the amount of the unemployment assistance does not only refer to the prior unemployment benefit but also to the unemployment benefit granted for the most extended period of time.
- c) From the basic amount of the unemployment assistance (see a)) the accountable income of the unemployed person and (until 1.7.2018) his/her partner is subtracted.
- d) In case the unemployed person has to care for persons entitled to supplements, additional family supplements are granted.

COVID-related measure (bunccu_s): all individuals receiving unemployment assistance for at least two months between May and August 2020 receive a lump-sum payment of €450. This lump-sum is excluded from means-tests for the minimum income benefit.

EUROMOD notes: based on the available empirical statistics we simulate the lump-sum payment for individuals who receive the unemployment benefit or unemployment assistance benefit for at least 2 months in the underlying EU-SILC input data.

COVID-related measure (bunnetu_s): For all receivers of unemployment assistance the benefit is increased to the level of unemployment benefit from May 2020 till September 2020.

EUROMOD notes: As the relevant assessment base for unemployment assistance is unknown we model the increase by dividing the amount of unemployment assistance by 95 and multiplying by 100. We assign the increase to all receivers of unemployment assistance in 2017 according to the EU-SILC data. In case of more than 5 receiving months in 2017, the upgrading is affected for a maximum of 5 receiving months.

- *Treatment*

The unemployment assistance is exempted from SIC and tax (however, see „progression adjustment“). It is paid without any deductions.

EUROMOD Note: Due to missing information in the underlying SILC-data not all parameters stated above under “Benefit amount” lit b) are modelled.

2.4.3 Family supplement (Familienzuschlag: bunmt_s)

- *Definition*

The family supplement is paid for receivers of benefits from the unemployment insurance (unemployment benefit or unemployment assistance) for the maintenance of relatives.

- *Entitlement conditions*

There is entitlement to family supplement for children, grandchildren, stepchildren, adopted and foster children who are maintained by the receiver in case there is entitlement to family allowance. Family supplements for married partners (spouses) with income below € 425.70 per month (14 times; 2018: 438.05; 2019: 446.81; 2020: 460.66) are granted, in case the receiver maintains this person substantially and at least one family supplement is granted for a person for whom family allowance is granted and who lives in the same household.

- *Means test*

The income (defined according to the unemployment benefit) of the relatives may not exceed certain limits: the income of the married partner/spouse must not exceed € 425.70 per month (14 times; 2018: 438.05; 2019: 446.81; 2020: 460.66).

- *Benefit amount*

The family supplement is granted for the period receiving a benefit from the unemployment insurance as long as the pre-conditions are fulfilled. It represents a flat rate amount of € 0.97 for each person entitled to the supplement. In case both parents receive unemployment benefits the supplement for the same child can be paid out twice.

- *Treatment*

The family supplement is exempted from SIC and tax (however, see „progression adjustment“).

2.4.4 Minimum pension top-up (Ausgleichszulage PV: pmmtu_s)

- *Definitions*

Minimum pension is paid in order to provide persons entitled to a pension by the pension insurance association (excl. civil servants) a minimum level of income.

The relevant benefit unit is the family.

- *Eligibility conditions*

People are eligible to this top-up benefit only if they are already entitled to a pension. In case the net-pension plus other net-incomes of the pensioner do not reach the minimum level, the pensioner is entitled to the minimum pension top-up. A further condition is that the legal usual place of residence of the pensioner is in Austria.

- *Income test*

The income of the pensioner and of his marriage partner in the same household is considered. If pension(s) and other net-incomes exceed the standard rates, no minimum pension top-up is granted. For the child supplement the income of the child, for whom child bonus for pensioners is received, is considered. In case, the income of the child exceeds the respective income limit, no child supplement is granted.

Basically all incomes after balancing with losses are considered. These are e.g.,

- further pensions +
- accident rents +
- self employment or employment income +
- unemployment income and sickness benefit +
- incomes from agriculture and forestry +
- from renting or capital income +
- maternity benefit +
- life annuities, fictitious cottage of estate reserved for use by parents, fictitious maintenance obligations by the divorced marriage partner (2010: respective the separated registered partner), maintenance payments, private transfers, etc. –
- social insurance contributions –
- income tax –
- standard rate for professional expenses (in case of employment income) –
- Special pension and rent payments (13th and 14th pension), special employment incomes (13th, 14th salary) and special sickness benefit payments (1/7 of the yearly sickness benefit)

Relevant is the monthly net income.

Incomes which are **not** considered among others:

- Incomes granted because of the special physical status, e.g., care benefit, allowance for blind persons, allowance for heavily damaged persons, etc.;
- Child bonuses for pensioners (simulated),
- Family allowance, students' and pupils' grants
- Housing benefits;
- € 214.85 per month (2018: 221.08; 2019: 225.50; 2020: 232.49) of apprentices' compensation (age 15-17);
- Social assistance and other public welfare benefits;

- Childcare benefit.

- **Benefit amount**

Minimum pension top-up is paid 14 times a year. The benefit is equal to the difference between a standard rate and the income of the income of the unit. The standard rates are as follows:

Table 6: Monthly standard rates (amounts 2017-2020)

1. Recipients of old-age and invalidity pensions (poa00)*	2017	2018	2019	2020
a) Singles	889.84	909.42	933.06	966.65
b) Singles 360+ months of employment**	1,000	1,022	1,048.57	1,080.00
c) Singles 480+ months of employment **	-	-	-	1,315.00
d) Couples (married or not)	1,334.17	1,363.52	1,398.97	1,472.00
e) Couples 480+ months of employment**	-	-	-	1,782.00
2. Recipients of widow pensions (psu)	889.84	909.42	933.06	966.65
3. Recipients of orphan's pensions (psu)				
a) half orphan, <24 years	327.29	334.49	343.19	355.54
b) half orphan, >23 years (and <27 or with disability)	581.60	594.40	609.85	631.80
c) full orphan, <24 years	491.43	502.24	515.30	533.85
d) full orphan, >23 years (and <27 or with disability)	889.84	909.42	933.06	966.65

* For each child, whose net income does not exceed € 327.29 (2018: 334.49; 2019: 343.19; 2020: 355.54) an increase of the standard rate by € 137.30 (2018: 140.32; 2019: 143.97; 2020: 149.15) is granted.

** No information on employment months in the data

- **Treatment**

The minimum pension top-up is subject to health insurance contributions for pensioners but exempted from taxes. It is paid jointly with the basic pension. The top-up for couples is given to the partner with the higher pension income.

EUROMOD Notes: According to Statistics Austria minimum pension top-up is already included in the pension variables of SILC. Nevertheless, the top-up was modelled but not included in the disposable income.

2.4.5 Minimum pension top-up for civil servants ("Ergänzungszulage": pcstu_s)

- **Definitions**

Minimum pension top-up for civil servants should provide a minimum income for civil servants' pensioners.

The relevant benefit unit is the family.

- **Eligibility conditions**

Recipients of a civil servants' pension, whose total net income is below the minimum rates, are entitled to minimum pension top-up for civil servants.

In case of an additional entitlement of a pension outside the civil servants' sector, with exceeds the civil servants' pension (without minimum pension top-up), there is no entitlement to minimum pension top-up for civil servants. In case the civil servant is already considered in the calculation of the minimum top-up of his/her spouse, there is no entitlement to minimum pension top-up for civil servants.

- **Income test**

The income of the pensioners, of his/her partner (married or registered) and of the children for whom the standard rates are increased, are considered. In case the income of the marriage partner/registered partner exceeds the standard rate of the minimum top-up for single, there is no entitlement to the minimum pension top-up.

Income is the monthly total net income:

- civil servants' pension and other pensions +
- income subject to income tax (employment, self employment, agriculture, capital, renting, etc.), unless exempted from tax+
- periodic benefits from the accident- and health insurance +
- welfare benefits +
- unemployment benefits +
- maternity benefit, childcare benefit +
- periodic maintenance payments, private transfers, unless they are less than the respective standard rate for minimum pension top-up –
- social insurance contributions –
- income tax –
- standard rate for professional expenses (in case of employment income) –
- Special pension and rent payments (13th and 14th pension), special employment incomes (13th, 14th salary;) and special sickness benefit payments (1/7 of the yearly sickness benefit)

Relevant is the monthly net income.

Incomes, which are **not** considered

- Incomes of a child in full-time education due to an occupation only during school/university-holidays,
- incomes of a child, who has to be considered in the calculation of the standard rate, as long as they exceed the amount per calendar month, which increases the standard rate for the child.

- **Benefit amount**

Minimum pension top-up for civil servants is paid 14 times a year. The benefit is equal to the difference between a standard rate and the income of the unit. The standard rates are as follows:

Table 7: Monthly standard rates (amounts 2017-2020)

1. Recipients of old-age and invalidity pensions (poacs)*	2016	2017	2018	2019
a) Singles	889.84	909.42	933.06	966.65
b) Singles 360+ months employment**	1,000	1,022	1,048.57	1,080.00
c) Singles 480+ months of employment **	-	-	-	1,315.00
d) Couples (married or not)	1,334.17	1,363.52	1,398.97	1,472.00
e) Couples 480+ months of employment**	-	-	-	1,782.00
2. Recipients of widow pensions (psu)	889.84	909.42	933.06	966.65
3. Recipients of orphan's pensions (psu)				
a) half orphan, <24 years	327.29	334.49	343.19	355.54
b) half orphan, >23 years (and <27 or with disability)	581.60	594.40	609.85	631.80
c) full orphan, <24 years	491.43	502.24	515.30	533.85
d) full orphan, >23 years (and <27 or with disability)	889.84	909.42	933.06	966.65

* For each child, whose net income does not exceed € 327.29 (2018: 334.49; 2019: 343.19; 2020: 355.54), there is entitlement to an increase of the standard rate per € 137.30 (2018: 140.32; 2019: 143.97; 2020: 149.15).

** No information on employment months in the data

- ***Treatment***

The minimum pension top-up for civil servants is subject to health insurance contributions for civil servants pensioners but exempted from tax. It is paid jointly with the basic pension. No pension contribution is due.

EUROMOD Notes: According to Statistics Austria the pension top-up is already included in the pension variable in SILC. Nevertheless, it was modelled but not included in the disposable income.

2.4.6 Child Bonus for Pensioners ("Kinderzuschuss PV": pch00_s)

- ***Definitions***

Child bonuses for pensioners are a financial aid for the fulfillment of maintenance obligations. The benefit depends on granting a pension and is due to each child of the pensioner.

The relevant benefit unit is the family.

- ***Eligibility conditions***

All non-civil-servant pensioners with children who receive public pension are eligible for this benefit. Entitlement to the child bonus is given for

- a) children (incl. stepchildren, adopted children);
- b) grandchildren, if they live in the same household, are entitled to maintenance towards the pensioner, and the place of residence is in Austria.

The child must be under 18, if he/she is older than 18 but under 27, then the child is treated as a "child" from the benefit point of view only if he/she is in full time education or is disabled.

- ***Income test***

There is no income test.

- ***Benefit amount***

The monthly amount of the benefit (14 times per year) is € 29.07 (2017-2020) per child.

- ***Treatment***

The child bonus is subjected to health insurance (for pensioners) and income tax.

EUROMOD Notes: The child bonus policy is switched off in the baseline (i.e., it is not part of the simulations but could be included by switching on the policy) as according to Statistics Austria it is already included in the pension variable in SILC.

2.4.7 Child Bonus for Civil Servant Pensioners ("Kinderzulage PG": pchcs_s)

- *Definitions*

Civil servant pensioners and receiver of widow pensions after civil servants with children are entitled to a child bonus as benefit for maintenance.

The relevant benefit unit is the family.

- *Eligibility conditions*

Civil servant pensioners are entitled to a child bonus for each child, for whom family allowance is received. Furthermore a child bonus is due for a child, who is already disabled since the period, in which family allowance was received and neither the income of the child itself nor of his/her spouse exceeds € 425.70 per month (14 times; 2018: 438.05; 2019: 446.81; 2020: 460.66).

The child bonus is granted for children, foster children and other children, if they belong to the same household and the civil servants maintains the child, as long as family allowance is received for the child.

- *Income test*

An income of the child as well as of his/her spouse is considered in case for the child the child bonus is received due to disability.

If one of these incomes exceeds gross € 425.70 (employment, self-employment, agriculture, capital, rent income, etc.) per month (14 times a year; 2018: 438.05; 2019: 446.81; 2020: 460.66), there is no entitlement for the child bonus.

- *Benefit amount*

The monthly amount of the benefit is € 15.60 (14 times a year; 2017-2020).

- *Treatment*

The child bonus is subjected to health insurance (for civil servant pensioners) and income tax. No pension contribution is due.

EUROMOD Notes: The child bonus policy is switched off in the baseline (i.e., it is not part of the simulations but could be included by switching on the policy) as according to Statistics Austria it is already included in the pension variable in SILC.

2.4.8 Maternity Benefit (Wochengeld: bmact_s)

- *Definition*

The maternity benefit is a replacement income for female employees (incl. free lancers) during the legal retention period before and after the birth of a child.

- *Entitlement conditions*

At the beginning of the legal retention period (as a rule 8 weeks before the scheduled birth) the applying mother has to be compulsory insured in the health insurance. There is no qualifying period. Co-insured relatives, self-insured and certain compulsory insured who are not entitled to

sickness/health benefit (e.g., persons in education, receivers of benefits by the pension insurance), are not entitled.

Women who already withdrew from employment before the beginning of the retention period, are entitled in case they became pregnant during the employment contract or during receipt of a benefit by the unemployment insurance: With occurrence of the pregnancy, the employment contract must have existed for full three calendar months without interruption and must not be terminated by self-cancellation, immediate dismissal due to significant reasons or joint break-up.

- ***Means test***

A potential income of the receiver of maternity benefit care-leave benefit or employment leads to the suspension of the maternity benefit up to the amount of the achieved income. In case of entitlement to continued remuneration (excluded vacation replacement payment, dismissal compensation) of more than 50% of the previous income, the maternity benefit is suspended by 50%.

- ***Benefit amount***

The amount depends on the amount of the prior net employment income or the benefit from the unemployment insurance or the receipt of childcare benefit. There is no ceiling.

For employed women, the average daily net income from the last three calendar months prior to the beginning of the retention period plus a percentage share supplement for special payments (in most cases 17%) is relevant. For persons equated to employees and certain partly insured persons (e.g. self-employed midwives, nurse, veterinarians) the amount of the maternity benefits corresponds to the amount of the sickness/health benefit.

For free lancers the amount of the maternity benefit depends on the net income in the last three months prior to the beginning of the retention period. The calculation of the basic amount of unemployment benefit is applied.

Receivers of benefits by the unemployment insurance receive the benefit amount plus 80% supplement as maternity benefit.

Receivers of childcare benefit are entitled to maternity benefit for another expected child, in case they still receive childcare benefit at the beginning of the retention period. The maternity benefit equals the amount of the childcare benefit.

- ***Duration***

Basically, the maternity benefit is granted eight weeks before the birth till eight weeks after the birth.

- ***Treatment***

The maternity benefit is exempted from tax.

2.4.9 Maternity Benefit Self-employed (Betriebshilfe: bmaect_s)

- **Definition**

Betriebshilfe is a benefit corresponding to maternity benefit for self-employed and farmers. Basically, it represents a benefit in kind (replacement worker). In case this is not possible, a cash benefit is granted.

- **Entitlement conditions**

There is entitlement once there is a obligatory health insurance in place.

- **Means test**

There is no means-test.

- **Benefit amount**

Flat-rate amount of € 52.69 (2018: 53.96; 2019: 55.04; 2020: 56.03) daily.

- **Duration**

Basically, the maternity benefit is granted eight weeks before the birth till eight weeks after the birth.

- **Treatment**

Betriebshilfe is exempted from tax.

2.4.10 Family allowance (“Familienbeihilfe”: bch00_s)

- **Definitions**

The family allowance supports families with children.

The relevant benefit unit is the family.

- **Eligibility conditions**

The place of residence of the entitled person has to be in Austria. The child has to live in the same household with the entitled person. In case the child belongs to the common household of the parents, the parent who runs the household predominantly (in most cases the mother) is entitled.

In case of non-Austrian citizens

- the parent and the children have to be legally in Austria.
 - EEA-citizens are entitled when they have available a registration-certificate.
 - Citizens from third states need a title of residence.
 - There is also entitlement for parents and children who were granted asylum.
- a) Basically family allowance can be received for minor children below 18 years of age.
 - b) For children in full-time education the family allowance can be received below 24 years of age. Starting with the calendar year in which the child completes 20 years of age, the income of the child is considered; students have to prove successful studies from 18 years of age on.

- c) In case the child is not capable to work due to disability (at least 50% and for at least 3 years) which occurred before 21 years of age or during occupational education before 25 years of age, the family allowance can be received without age limit.

During civil or military service, there is no entitlement to family allowance.

- ***Income test***

The income of the parents is not considered.

Starting with the calendar year in which the child completes 20 years of age, the income of the child is considered. In case the **taxable income** (gross minus social insurance contributions minus tax allowances; excl. special payments 13th, 14th) of the child (pupil, student) exceeds € 10,000 in a year, the family allowance is reduced by the exceeding amount. The income, which is earned in months without entitlement, is not taken into account.

Incomes of the child taken into account are incomes

- from employment and self-employment +
- from agriculture and forestry +
- from a business enterprise +
- from capital income, from renting and leasing and other incomes +
- sickness benefit –
- social insurance contributions –
- tax allowances –
- special payments (13th, 14th).

Incomes which are **not** considered are among others:

- tax-exempted incomes, e.g., education allowances, unemployment benefit, unemployment assistance, maternity benefit, childcare benefit;
- Apprentices' compensation (age 15-17);
- orphans' pensions;

- ***Benefit amount***

The family allowance consists of a **basic amount** dependent on the age of the child and a **supplement amount** dependent on the number of eligible children in the household. Both amounts are paid out per child and 12 times a year.

Table 8: Family allowance 2017-2020 (per child)

Basic amount	1/2017-12/2017	from 1/2018
0-2 years	€ 111.80	€ 114.00
3-9 years	€ 119.60	€ 121.90
10-18 years	€ 138.80	€ 141.50
19-23 years	€ 162.00	€ 165.10
Supplement		
2 children	€ 6.70	€ 7.10
3 children	€ 16.60	€ 17.40
4 children	€ 25.50	€ 26.50
5 children	€ 30.80	€ 32.00
6 children	€ 34.30	€ 35.70
7 children	€ 50.00	€ 52.00
8 children	€ 50.00	€ 52.00
9 children	€ 50.00	€ 52.00
10 children	€ 50.00	€ 52.00
11 children	€ 50.00	€ 52.00
12 children	€ 50.00	€ 52.00
13 children	€ 50.00	€ 52.00
14 children	€ 50.00	€ 52.00
15 children	€ 50.00	€ 52.00
16+ children	€ 50.00	€ 52.00

In addition, families with 3 or more children below a certain income threshold receive the **multiple child supplement for low-income families** (the only means-tested element of the family allowance). The income threshold amounts to an annual taxable family income of € 55,000 (in the previous year). The supplement amounts to € 20 per month (12 times) and child for the 3rd and every consecutive child.

The yearly taxable income is calculated the following:

- gross incomes –
- social insurance contributions –
- tax allowances –
- special payments (13th, 14th)

An additional **supplement** is paid **for children with disability**. It amounts to € 152.90 per month (from 1/2018: 155.90) (12 times).

In addition, children aged 6 to 15 (**compulsory school age**) receive a **bonus** of € 100 at the beginning of the school year (paid once a year in September).

COVID-related measure: all children entitled to the family allowance receive a lump-sum of € 360 in September 2020.

COVID-related measure: In September, the income limit for children aged 20 plus was retrospectively increased from €10,000 to 15,000 for 2020. *Note: This change has not been implemented in the model as the model update was already finished and will be part of next year's work.*

- **Treatment**

The family allowance is exempted from social insurance contributions and tax.

With the family allowance in each and every case (independent from the income liable to tax) the child tax credit is granted, which is paid jointly with the family allowance 12 times per year (also as “negative tax”). In addition, for employed and self-employed parents for each child with family allowance there is basically entitlement to the family tax credit “Familienbonus Plus” (until 2018 to the child tax allowance). In case one parent of the child is single earner or lone parent, he/she is entitled to the single earner respective lone parent tax credit. The entitlement to family allowance is also a necessary pre-condition for the entitlement to the childcare benefit and the family bonuses of the Federal States.

2.4.11 Child Care Benefit (“Kinderbetreuungsgeld”: bcc00_s)

- *Definitions*

Purpose of the childcare benefit as a family benefit is to (partly) reimburse the care efforts for small children.

The relevant benefit unit is the individual.

- *Eligibility conditions*

1) Flat rate models (for births till 28 February 2017) and child care account (for births from 1 March 2017 on):

A parent (incl. adoptive parent, foster parent) is entitled to childcare benefit, if

- a) the child is entitled to the family allowance,
- b) the parent lives with the child in the same household,
- c) the parent and the child have the focus of their life interest in Austria and
- d) the parent and the child are legally in Austria,
- e) the total amount of the relevant personal income of the parent **receiving** the childcare benefit does not exceed € 16,200 (per calendar year) or 60% of the income prior to the birth.

2) Income dependent childcare benefit:

- a) A parent (incl. adoptive parent, foster parent) is entitled to the income dependent childcare benefit, in case the general conditions for the childcare benefit (see above) are fulfilled,
- b) the parent was continuously employed (subject to social insurance contribution) during the last 6 calendar months before the birth of the child (breaks up to 14 days do not count) and
- c) the parent does not exceed the income limit of the income dependent childcare benefit of € 6,400 per calendar year (from March 2017 on: 6,800; from 2020: 7,300) and does not receive unemployment benefit.

- *Income test*

1) Flat rate models (for births till 28 February 2017) and child care account (for births from 1 March 2017 on):

1a: Income limit of yearly € 16,200

All incomes, underlying income tax are considered. Exception: ancillary incomes from renting and leasing, from capital income and other incomes are not considered. Special payments (13th, 14th) are not considered. Periods, in which childcare benefit is not received, are not considered in

the calculation of the income limit. The receipt of the childcare benefit can be resigned from month to month, also these periods are not considered in the income test.

- For employees the income limit is calculated as follows:
 - o gross incomes (employment, sickness benefit; pensions) of this time period –
 - o social insurance contributions –
 - o special payments (13th, 14th) –
 - o tax-free payments –
 - o flat rate for professional expenses (yearly € 132) +
 - o unemployment benefits.
 - o the resulted sum has to be increased by 30%,
 - o the result has to be extrapolated to a yearly sum (= divided by the months entitled to childcare benefit in the respective calendar year and multiplied by 12).
 - o the result has to be lower or equal to € 16,200.
- For self-employed, professionals („Freiberufler/Innen“) and free lancers („freie Dienstnehmer/Innen“) as well as for the other income types of the income tax law the total yearly amount of incomes subject to tax is considered:
 - o gross incomes –
 - o social insurance contributions –
 - o tax allowances
 - o The incomes subject to tax have to be increased by the related social insurance contributions.
 - o The resulted amount has to be lower or equal to € 16,200.

In case a person has both employment and self employment income (which exceeds € 730 per year), the income test is following the one for self employment income.

1b: individual income limit (if higher)

The individual income limit amounts to 60 % of the total income

- employment income +
- self-employment income +
- incomes from agriculture and forestry

earned in the last calendar year before the birth of the child, in which no childcare benefit was received. The individual income limit is calculated according to the same method as the income limit of € 16,200.

2) Income dependent childcare benefit (2017-2020)

The incomes may not exceed € 6,400 per calendar year (from March 2017 on: 6,800; from 2020: 7,300). This corresponds to a monthly gross income of € 425.70 (per month [14 times] for employees; 2018: 438.05; 2019: 446.81; 2020: 460.66). The income limit depends only on the income received in those months during the calendar year, in which childcare benefit was received.

- ***Benefit amount***

1a) Flat rate childcare benefit (for births till 28 February 2017)

The entitlement begins with the birth at the earliest, in case of receipt of maternity benefit subsequent to, unless the maternity benefit is lower than the chosen childcare benefit model. The period of receipt varies depending on the chosen model from the 12th to the 30th life-month if only

one parent claims the benefit. In case of division between the partners, the maximum duration of receipt varies from the 14th to the 36th life-month.

There are the alternatives 30+6, 20+4, 15+3 and 12+2 months. The amount of the benefit depends on the respective model:

Table 9: Flat rate child care benefit alternatives 2017-2020 (for births before March 2017)

Model	Max. duration of receipt 1 parent	Max. duration of receipt in case of division	Benefit amount, daily
12+2	up to the completed 12 th life-month	up to the completed 14 th life-month	€ 33.00 (till 2018)
15+3	up to the completed 15 th life-month	up to the completed 18 th life-month	€ 26.60 (till 2018)
20+4	up to the completed 20 th life-month	up to the completed 24 th life-month	€ 20.80 (till 2/2019)
30+6	up to the completed 30 th life-month	up to the completed 36 th life-month	€ 14.53 (till 2/2020)

In case of multiple births there is a supplement of 50% to the flat-rate models for the 2nd and each further child.

1b) Childcare benefit account (for births from 1 March 2017 on)

For births from 1 March 2017 on the flat-rate models are harmonised by introduction of a childcare benefit account. For one parent a total amount of EUR 12,366 is reserved, in case both parents receive, EUR 15,449 EUR.

The total amount is divided by the number of receiving months or days: in case only one parent receives between 12 months/365 days and 28 months/851 days, in case both parents receive between 15 months/456 days and 35 months/1,063 days). Depending on the number of receiving months/days, the minimum amount amounts to EUR 14.53 and the maximum amount to EUR 33.88 daily. In case child care benefit is received for more than one year the individual daily amount is calculated by a formula.

Per parent 20% of the receiving period are reserved (depending on the duration between 91 and 212 days) and are not transferable. In addition a partnership bonus of EUR 500 is granted per parent (in total EUR 1,000), in case the receiving period is distributed at least in the relation 60:40 (at least 6 months/182 days for one parent).

The parents can change the receipt from mother to father or vice versa for two times. A receiving block has to last at least 2 months/61 days. A parallel receipt up to 31 days is possible at the occasion of the first change.

The entitlement begins with the birth at the earliest, in case of receipt of maternity benefit subsequent to, unless the maternity benefit is lower than the amount resulting from the chosen receiving period of childcare benefit.

In case of multiple birth, for each additional child a supplement of 50% is paid.

The individual income limit still amounts to EUR 16,200 EUR yearly or if more favourable to 60% of the income in the year before the birth of the child.

2) Income dependent childcare benefit (2017-2020)

The childcare benefit amounts to 80% of the average employment/self employment income at most € 66 daily. The amount is calculated in 2 ways: in the first alternative the daily amount is based on the **maternity benefit**, i.e. following the average earnings in the last 3 calendar months before the prohibition of employment, considering also special payments (13th, 14th salary). For parents with no entitlement to maternity benefit, e.g., employed father, the daily amount is calculated following the earnings in the last 3 calendar months before the last 8 weeks before the birth of the child (fictitious maternity benefit).

In addition a 2nd calculation of the daily amount is based on the incomes (income tax assessment) in the last year before the birth of the child, in which no childcare benefit was received. Thus, the average of a complete year is considered and potential self-employment incomes are considered. The alternative favoring the parents (higher amount) is used. In case the calculation results in a daily amount below € 33/33.88, then the flat-rate model 12+2/childcare account for 12+2 months can be taken (till 2018).

Income dependent childcare benefit can be received for 12 months/365 days if only one parent claims the benefit. In case of division between the partners, the maximum duration of receipt is 14 months/426 days. For each parent a share of 61 days is reserved and cannot be transferred. The receipt from mother to father or vice versa can be change for two times. During the first change both partners can also receive for up to 31 days at the same time.

For the income dependent model there is no supplement for multiple births.

For births from 1 March 2017 on: In case only one parents fulfills the entitlement conditions for the income dependent childcare benefit or the other partner earns only little, the parent with the lesser income receive a special transfer of EUR 33.88 daily. Furthermore, in case of a distribution of the receiving period between the partners at least in the relationship 60:40, a partnership-bonus of EUR 500 per parent (in total EUR 1,000) is granted.

- ***Treatment***

The childcare benefit is exempted from social insurance contributions and tax.

For births from 1 March 2017 on both for child care account and income dependent child care benefit in addition family time /father month bonus (“Familienzeitbonus”) between 28 and 31 days (uninterrupted duration) within a time frame of 91 days after birth can be granted. It cannot be received together with childcare benefit at the same time. The amount of the bonus is later subtracted from the father’s share of childcare receipt.

Fathers can take this leave after the birth of their child in case

- the employer agrees (no legal entitlement),
employment is interrupted (e.g., by taking up special leave; not dismissal protection),
no other employment is carried out,
no benefit from unemployment insurance is received,
no continued remuneration is provided by the employer,
no sickness benefit or other benefits related to illness are received,
employment is continued at the same employer subsequent to family time.

In case of taking up family time the legal insurance ends. There exists a partial insurance for health and pension. The contributions are covered by the Federal State and the Family Benefits Fund The family time bonus amounts to EUR 22.60 daily and can only be received once per birth.

There is entitlement to family time bonus in case during the last 182 days before take-up a continuous employment liable to health and pension insurance was carried out and during this period no benefits related to unemployment insurance were received. There is no entitlement in case of minor employment, education leave or longer-lasting illness. Exempted are interruptions of in sum 14 days as well as interruptions due to a leave related to paternal leave-law (Väter-Karenzgesetz).

1) Flat-rate-models (for births till 28 February 2017) and child care account (for births from 1 March 2017 on)

In case of a new pregnancy, childcare benefit receivers who were employed before are entitled to maternity benefit in the amount of € 784 per month (daily rate alternative 30+6 increased by 80%).

With the birth of a new child the receipt for the precedent child comes to an end. However, the supplement for multiple births is still paid further.

For one child the receipt of childcare benefit of both parents at the same time is not possible. However, per child a change in the receipt between the parents is possible twice.

During the receipt of maternity benefit the childcare benefit is suspended (except for the father until the birth of the new child, if the mother receives maternity benefit).

2) Income dependent childcare benefit (2017-2020)

For the receivers of income dependent childcare benefit with the birth of a new child the maternity benefit is paid as income dependent childcare benefit increased by 25%.

EUROMOD Notes: To implement the universal child care benefit a number of assumptions were necessary (for reasons of simplicity or due to lack of information in the underlying data). As the transition period is difficult to model we assumed already the full implementation of the childcare benefit account from 2018 on:

- For the huge number of variations in the chosen receiving period of the childcare benefit account we generated random numbers to replicate the empirical distribution of beneficiaries (only limited information available). With these numbers we assigned families to the different possibilities in a way that the given empirical distribution is met. The random approach was taken because it is not possible to model the decision making within the different families.
- We disregard all eligibility conditions apart from having a small child and fulfilling the income condition (exception: we put all families with zero year old children on receiving child care benefit. The approach can be justified by empirical data showing that almost every mother with a child below 1 year of age receives child care benefit).

The following table summarises the approach for the longest available option within the childcare benefit account (28+7 months) taken for children of all respective age groups (below 3 years):

Table 10: Implementation of child care benefit account for longest available option (28+7 months)

Youngest child aged	Treatment
0	receipt of child care benefit for twelve months, if mother did not receive maternity benefit (“Wochengeld”) according to the 2018 SILC-data receipt of child care benefit for ten months, if mother received maternity benefit (“Wochengeld”) according to the 2018 SILC-data. If maternity benefit is lower than child care benefit, difference amount is received in the two months. No means-test is carried out.
1	receipt of child care benefit for twelve months, if earnings of mother are below earnings limit and not already receiving benefit for 0 year old child (otherwise no receipt).
2	receipt of child care benefit for four months, if earnings of mother are below earnings limit and not already receiving benefit for 0 year old child (otherwise no receipt); receipt of child care benefit for another seven months, eligible if father is below income limit and not already receiving benefit for a younger child

For all other potential options within the childcare benefit account the modelling was done accordingly. Before 2019, no up-to-date information on the chosen receiving period within the childcare benefit account is available. Thus, we distribute the length of the receiving period according to the adapted latest available distribution of the different flat-rate models in 2017 within the total share of parents with childcare benefit account for the 2017 and 2018 system. For 2019 and 2020, we use the available administrative data on the chosen length of the childcare benefit from 2019 provided by the Austrian Health Sickness Fund.

The distribution between childcare account and income-dependent model is randomly assigned on the empirical distribution available for March 2020.

In the income-dependent model, when the child is 0 years old, the mother receives 80% of her former net income. When the child is 1 year old and father’s earnings are below the income limit, he receives 80% of his former net income for another 2 months.

EUROMOD Notes: From 2018 on, only the childcare benefit account and the income dependent childcare benefit are modelled. As there is no empirical information available on the individual sharing of receiving periods between the partners, we cannot model the partnership-bonus.

2.4.12 Childcare benefit allowance („Beihilfe zum pauschalen Kinderbetreuungsgeld“: bcctu_s)

- *Definitions*

The childcare benefit allowance is a benefit for lone parents or families with low incomes. It replaces the former childcare benefit supplement. The benefit has not to be paid back later.

The relevant benefit unit is the individual.

- **Eligibility conditions**

The allowance can only be received jointly with a flat-rate childcare benefit model/ with the childcare benefit account (there is no allowance jointly with the income dependent childcare model).

Entitled are

- lone parents, who are unmarried, divorced or widowed, have no common household with the other parent and stay within the personal income limit;
- married parents or parents in cohabitation with low incomes.

- **Income test**

- Lone parents are not allowed to earn more than € 6,400 (from March 2017 on: 6,800; from 2020: 7,300) of relevant incomes (monthly around gross € 425.70 [14 times per calendar year]; 2018: 438.05; 2019: 446.81; 2020: 460.66) during the receipt of the allowance. If the income limit is exceeded by less than 15%, the benefit in the relevant calendar years is reduced by the amount which exceeds the income limit. If the income limit is exceeded by more than 15%, the benefit in the relevant calendar year has to be paid back completely.
- Married parents or parents in cohabitation: the receiving parent is not allowed to earn more than € 6,400 (from March 2017 on: 6,800; from 2020: 7,300), the 2nd parent respective the partner more than € 16,200 of relevant incomes in the calendar year. If the income limit is exceeded by less than 15%, the benefit in the relevant calendar years is reduced by the amount which exceeds the income limit. If the income limit is exceeded by more than 15% by at least one of the parents, the benefit in the relevant calendar year has to be paid back completely.

The relevant total amount of the income **relates to the principles of the calculation of the income limit for the childcare benefit** (see above). Relevant is the total amount of the income according to the income tax law like

- employment income, self-employment income, property income, incomes from interests, pensions, sickness benefit, etc. +
- unemployment benefit, unemployment assistance

- **Benefit amount**

The allowance is paid for max. 12 months in blocks of 2 months during the receipt of a flat-rate childcare benefit/ receipt within childcare benefit account. The allowance amounts to € 6.06 daily (or € 181 monthly).

- **Treatment**

The allowance is exempted from social insurance contributions and tax.

2.4.13 Family Bonus – Vienna („Wiener Familienzuschuss“: `bfamt_s`)

- **Definitions**

The Viennese Family Bonus supports families with young children and low incomes.

The relevant benefit unit is the family.

- **Eligibility conditions**

The child has to live in the same household with the parent(s). At least one parent has to be Austrian citizen and at the time of the birth needs to have his principal residence in Vienna for at least 1 year. Parents without Austrian citizenship need to have their principal residence in Vienna for at least 3 years. EEA-citizens are equated with Austrian citizens.

For the child there must be entitlement to family allowance and it must be under three years old.

- **Income test**

For granting the family bonus the family income (= sum of all net incomes of all family members in the household) is considered. The income limit depends on the number of family members starting with a base-amount (= per capita income) of € 508.71, which is weighted for each family member accordingly. The relevant income limit is calculated by multiplication of the base amount with the sum of weight factors:

- 1.0 for the first adult (=€ 508.71)
- 0.8 for the 2nd adult (=€ 406.97 [508.71*0.8])
- 0.5 for each child according to family allowance definition (=€ 254.35)
- 1.35 for lone parents (=€ 686.76)

Considered **net** incomes (gross minus SIC minus IT):

- net incomes of employees +
- net incomes of receivers of other incomes (self employment income, income from agriculture, capital, rent income, etc; yearly net income without considering exceptional costs, expenditure for investments, etc.) +
- unemployment benefit, unemployment assistance, old-age part time benefit, sickness benefit, maternity benefit, childcare benefit, supplement childcare benefit +
- net pensions +
- education related benefits +
- housing benefits +
- maintenance payments for children in the household, on the other hand paid maintenance payments for children outside the households have to be subtracted.

Special payments (13th, 14th) are to be included aliquot.

Incomes **not** considered:

- family allowance,
- child tax credit,
- care benefit,
- foster parents' benefit

- **Benefit amount**

The family bonus is granted from the 1st birthday of the child to the 3rd birthday (2 years). Depending on family size and family income it amounts to min. € 50.87 and max. € 152.61 per month (12 times a year):

Table 11: Family bonus 2017-2020

Per capita income, monthly	Family Bonus per child and month
€ 508.71	€ 50.87
€ 457.84	€ 61.05
€ 443.30	€ 71.22
€ 428.77	€ 81.39
€ 414.24	€ 91.57
€ 399.70	€ 101.74
€ 385.17	€ 111.92
€ 370.63	€ 122.09
€ 356.10	€ 132.26
€ 341.56	€ 142.44
€ 334.30	€ 152.61

- **Treatment**

The Family Bonus is exempted from social insurance contributions and tax.

EUROMOD Notes: We model family bonus rules in Vienna, which (in its logic) is similar to the rules of the other federal states.

2.4.14 Minimum Income Benefit („Bedarfsorientierte Mindestsicherung Wien“: bsa_s)

- **Definitions**

The minimum income benefit was introduced in all Federal States between September 2010 and April 2011 and replaced the monetary social assistance scheme. Still it represents the 2nd safety net of social security. Although standard rates and means tests have been harmonized to a great extent, some Federal State specific differences (Federal States can increase countrywide minimum standards, etc.) still exist. We refer to the regulations in Vienna.

The benefit unit is the family.

- **Eligibility conditions**

The principles of subsidiarity and individuality apply. Certain person groups are not enforced to work, in Vienna e.g., persons not capable to work, persons who have passed the legal pension age (60/65), person with care responsibilities for children below 3 years of age if no adequate childcare is available, persons who care for relatives with a care degree of 3 or more; under certain conditions persons in education.

Entitled are persons which are authorized for a permanent residence in Austria. These are:

- Austrian citizens,
- persons entitled to be granted asylum and subsidiary “Schutzberechtigte”,
- EU-/EWR-citizens and their relatives,
- persons with the title „permanent residence-EG“ or „permanent residence-relatives“,
- persons with settlement certificate or with an unlimited settlement authorization.

- **Income test**

Before being granted social assistance, own incomes, own assets as well as payments by third persons have to be considered. Basically, **each and every net income** (gross minus SIC minus IT) reduces the assistance. The following incomes **don't** have to be **considered**:

- voluntary social allowances,
- payments from 3rd persons without legal obligation, in case the state of emergency cannot be overcome with those payments,
- family allowance and child tax credit,
- care benefit and comparable benefits,
- therapeutic pocket-money,
- exemption amount for own employment, in case person was unemployed for at least 1 year: taken into account for an existing employment contract during a period of 18 months. It amounts to € 60 per month in case of incomes below gross 425.70 (2018: 438.05; 2019: 446.81; 2020: 460.66) and € 140 per month for higher incomes.

From assets, an amount of € 4,222.30 (2018: 4,315.20; 2019: 4,427.35; 2020: 4,586.75) can be disregarded.

Generally, third persons are obliged to reimburse, if the receiver of the minimum income benefit had corresponding entitlements toward third persons in the same period (persons, who would have been obliged for maintenance payments). Only parents for their minor children have to pay.

- ***Benefit amount***

The social assistance benefit is equal to the difference between a standard rate and the income of the unit. The standard rates are as follows:

Table 12: Standard rates per month 2017-2020

	2017	2018	2019	2020
1. Minimum standards (for persons <60/65 and capable to work amounts paid 12 times a year; for persons >59/64 or not capable to work 14 times a year)				
a) Singles and lone parents	844.46	863.04	885.47	917.35
b) Person in non-single households for whom no family allowance is received (adults)	633.35	647.28	664.10	688.01
c) Full age children with entitlement to family allowance	422.23	431.52	442.74	458.68
d) Minor children in non-single households (for whom family allowance is received)	228.00	233.02	239.08	247.68
2. Basic amounts for covering housing need included in the standard rates above				
a) Singles and lone parents: <60/65 and capable to work	211.12	215.76	221.36	229.32
b) Singles and lone parents: >59/64 or not capable to work	114.00	116.50	119.54	123.84
c) Person in non-single households for whom no family allowance is received (adults); do not fall under d) or e)	158.34	161.82	166.02	171.99
d) Full age children with entitlement to family allowance	105.56	107.88	110.68	114.66
e) Person in non-single households for whom no family allowance is received (adults); >59/64 or not capable to work, in hh with persons who do not fulfil these conditions	85.50	87.38	89.65	92.88
f) Person in non-single households for whom no family allowance is received (adults); >59/64 or not capable to work, in hh with at least another person who fulfils these conditions	57.00	58.25	59.77	61.92
g) Person in non-single households for whom family allowance is received (children)	0.00	0.00	0.00	0.00

Table 13: Housing allowances per month (upper limits) in €, 2017-2020

	2017	2018	2019	2020
Upper limits include the respective basic amounts for covering housing need above and are paid 12 times a year				
a) 1-2 persons	315.60	322.54	330.93	342.84
b) 3-4 persons	330.90	338.18	346.97	359.46
c) 5-6 persons	350.55	358.26	367.57	380.80
d) 7+ persons	369.12	377.24	387.05	400.98

EUROMOD Notes: Exempted earnings for long-term unemployed cannot be taken into account due to lack of information on previous working status. Minimum income benefit rules are partly different in all federal states, the (formal!) differences in the systems are mainly in the amount of housing allowances. We model only the system of Vienna, where the majority of receivers is located. Another point that has to be mentioned is that local authorities can exercise significant degrees of discretion in determining eligibility and amounts of social assistance. In the model we do not attempt to take into account these 'discretionary' dimensions. Due to unclear entitlement conditions, social control and other factors many potential receivers do not take up minimum income benefit (Fuchs et al. 2020).

2.4.15 Single payment for pensioners (**Einmalzahlung Pensionisten: ptu_s**)

- *Definitions*

The single payment for pensioner represents a discretionary one-time payment.

- *Entitlement conditions*

Eligible are all pensioners (incl. survivor pensioners) and civil servant pensioners with regular residency in Austria.

- *Income test*

There is no income test

- *Benefit amount*

The payment amounts to EUR 100,- per year per person in 2017

- *Treatment*

The payment is exempted from SIC and tax. It is paid without any deductions.

2.4.16 **COVID-related measure** short-time work (wage compensation paid by state: **bwkmcee_s**; part paid by employer: **yemmc_s**)

- *Definitions*

The short-time work scheme was introduced to bridge economic disturbances during the COVID crisis with the aim to keep employees employed.

- **Entitlement conditions**

Various enterprises are supported (apart from insolvent enterprises; administration bodies, juridical persons of public law, which do not participate actively in economic life, political parties). All kind of employees can be supported (except members of managerial institutions if not insured according to the law for employees, free lancers if no monthly normal working time applies, employees on minor occupation, civil servants, one person enterprises and members of a company/ managing directors).

Short-time work is available for a period of 3+3 months from March 2020 onwards. The average working time has to be reduced between 10 and 90%. However, in certain weeks or months the effective working time can also be reduced to 0 hours.

- **Income test**

See below net replacement rate according to the former gross income.

- **Benefit amount**

The assessment base relates to the last fully remunerated month before the introduction of short-time work (gross and liable to unemployment insurance; in case of unsteady incomes it relates to at least 3 months before introduction of short-time work). The short-time work allowance for employees paid by the public employment service (PES) relates to the net income of the employee before the introduction of short-time work and guarantees a minimum income. Extra amounts and supplements which are received regularly are considered. Special bonuses and income shares for overtime work are not considered.

Net replacement rates:

- for apprentices: 100% of the prior net income;
- for employees: up to € 1,700/2,685/5,370 gross per month 90/85/80% net;
- no entitlement to the short-time work allowance for income shares above € 5,370 gross per month

While in total the employee receives the above specified value of the net replacement rate, only the effectively carried-out working hours are paid by the employer (incl. pro rata special payments) and the remaining amount is paid through the wage compensation scheme. The employer needs to secure that the gross wage does not fall below the value of the wage for the performed working hours, e.g. in case of work performance of 90% at least 90% of the prior gross wage (incl. special payments) needs to be paid.

The short-time allowance for employers by the PES replaces shortfall-hours according to stipulated flat rates (which include pro rata special payments, social insurance contributions and other wage-related employer contributions). The respective flat rate is multiplied by the shortfall-hours. The classification is done according to wage scales (steps of 50 €), within a wage scale the lower value is relevant. Example: 38,5 hours per week, 65 shortfall-hours, gross wage before short time work € 3,005.69 => flat rate table € 3,001.00 => flat rate € 22.65; Short time allowance = € 1,472.25 (€ 22,65 x 65 hours).

However, in sum (employer part plus PES part) special payments are not only paid up to the new gross amount that would result from the net amount of 80/85/90%, but in relation to the wage earned before short-time work. The pro-rata amount of special payments for the lost earnings part are paid by the PES.

- **Treatment**

The employee receives the net income for the hours effectively worked (from employer) plus the net compensation allowance for the cancelled working hours (from PES). However, during short-time work employee and employer social insurance contributions must be paid as if working time were not reduced. Income tax must be paid for the hours effectively worked and from the remaining part up to the new gross income that corresponds to the total net income of the employee in short-time work (80/85/90% of the former net income). The PES takes over respective resulting additional costs for the employer related to shortfall hours. Special payments are taxed at the reduced rate of 6% as if no short-time work would have occurred.

EUROMOD notes: according to available empirical statistics (source: <https://www.bmafi.gv.at/Services/News/Aktuelle-Arbeitsmarktzahlen.html>) we model short-time work for a period of 6 months for 30% of all white-collar workers (reference statistics show that 9/10 of all persons concerned by short-time work are white collar workers). For 40% of the 30% we assume a remaining working time of 40%, for 60% of the 30% we assume a remaining working time of 10%. For the time being we carry out a random selection and assume a replacement rate of 80% as the vast majority of take-up consists of white collar workers with higher earnings. We will model in more details (according to industrial sector, etc.) once stable reference data is available. SIC and IT are only modelled in relation to effective working hours as anyway the part paid by the PES for short-fall hours represents only an intergovernmental transfer from one institution to the other and does not affect disposable income. In addition, for modelling total IT a net-to-gross conversion from the new net amount of 80/85/90% would be required.

This policy can only produce results if the model is run in combination with the LMA add-on. The individuals that are selected to undergo transitions to monetary compensation schemes are defined in the TransLMA_xx policy, which is switched on automatically by the add-on. For more information about the modelling of labour market transitions please consult the ‘*Simulating labour market transitions in EUROMOD*’ document.

Note: In October, the short-time work scheme was extended to March 2021. While most rules are like the implemented scheme, short-time workers are supposed to work at least 30 percent (instead of a minimum of 10%) from October onwards. This change has not been implemented in the model as the model update was already finished and will be part of next year’s work.

2.4.17 COVID-related measure hardship fund for self-employed (bwbmcs_s)

- **Definitions**

The hardship fund shall reduce the income loss for self employed due to Covid-19.

- **Entitlement conditions**

Pre-condition for the entitlement for payments from the hardship fund is a net income reduction due to the threat by Covid and one of the following scenarios: 1) costs are not covered; 2) prohibition of entering the premises; 3) turnover reduction of at least 50%.

Entitled are persons with obligatory insurance in GSVG/FSVG (social insurance provider) incl. professionals and freelancers: self-employed and micro-enterprises (less than 10 full-time equivalents of employees), incl. new self employed, free lancers and professionals. persons with more than one minor occupation and timewise occasionally employed, who exceed the limit for minor occupation (e.g. persons engaged in the cultural sector), self-employed pensioners on minor occupation.

Not entitled are: Non-Profit-Organisations, institutions and other bodies of public law; natural persons who receive unemployment benefits at the time of applying.

Allowance for short-time work can be received at the same time.

- **Income test**

See below.

- **Benefit amount**

Payments are available for a maximum of 6 months within a period of 9 months (16.3.-15.12.2020). The amount consists of the compensation of the net-income reduction plus an comeback bonus independent from the net-income reduction. The minimum payment is in sum € 6,000 (per month € 500 minimum amount plus € 500 „Comeback-Bonus“). The maximum amount is € 15,000 (per month € 2,000 plus € 500 „Comeback-Bonus“).

The turnover has to be compared with the turnover of the same month in the previous year or 1/3 of the turnover in the respective quarter of the previous year.

Example 1) Income loss based on turnover-rentability: net income in the comparison period at 25% of the turnover, Turnover rentability = 25%. 2) The insinuated net income 2020 thus amounts to 25% of the turnover in the respective comparison period. 3) The difference between insinuated net income and average monthly net income in the comparison period is replaced at 80% (in case of an average monthly net income below € 966,65 (amount of minimum pension top up for singles): 90%; (applicants with ancillary incomes are excluded from this.) or flat rate amount of € 500 per month in case no positive incomes in the income tax notice of the previous year or amount of payment lower or cut because of exceeding € 2,000, or foundation/firm acquisition between 1.1. and 15.3.2020).

Ancillary incomes incl. pension and insurance are possible within the ceiling of € 2,000 per month.

- **Treatment**

The payments are excluded from contributions and taxes.

EUROMOD notes: We assume an income loss for 25% of self-employed for 2 months based on external statistics (source: <https://www.bmf.gv.at/>, <https://www.parlament.gv.at/PAKT/BUDG/>). Following those statistics on average payments, an average payment of € 700 per month is modelled as in the SILC data no information on turnover is available.

This policy can only produce results if the model is run in combination with the LMA add-on. The individuals that are selected to undergo transitions to monetary compensation schemes are defined in the TransLMA_xx policy, which is switched on automatically by the add-on. For more information about the modelling of labour market transitions please consult the ‘*Simulating labour market transitions in EUROMOD*’ document.

Note: In October, the hardship fund for self-employed was extended to March 2021. While most rules are like the implemented scheme, the maximum aggregated amount was increased to € 30,000 and the maximum monthly amount to € 2,500. This change has not been implemented in the model as the model update was already finished and will be part of next year’s work.

2.5 Social contributions

2.5.1 Employee social contributions

Table 14: Employee social contribution rates 2017-2020

	2017	2018	2019	2020
1. Blue and white collar employees				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980	5,130	5,220	5,370
Health insurance	3.87%	3.87%	3.87%	3.87%
Pension insurance	10.25%	10.25%	10.25%	10.25%
Unemployment ins.	3.00%	3.00%	3.00%	3.00%
Housing benefit*	0.50%	0.50%	0.50%	0.50%
Union contributions*	0.50%	0.50%	0.50%	0.50%
2. Agricultural workers				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980	5,130	5,220	5,370
Health insurance	3.87%	3.87%	3.87%	3.87%
Pension insurance	10.25%	10.25%	10.25%	10.25%
Unemployment ins.	3.00%	3.00%	3.00%	3.00%
Union contributions*	0.75%	0.75%	0.75%	0.75%
3. Freelancer (“Freie Dienstnehmer/Innen”)				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980	5,130	5,220	5,370
Health insurance	3.87%	3.87%	3.87%	3.87%
Pension insurance	10.25%	10.25%	10.25%	10.25%
Unemployment ins.	3.00%	3.00%	3.00%	3.00%
Union contributions*	0.50%	0.50%	0.50%	0.50%
4. Civil Servants				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980	5,130	5,220	5,370
Health insurance	4.1%	4.1%	4.1%	4.1%
Pension insurance**	See text	See text	See text	See text
Housing benefit*	0.5%	0.5%	0.5%	0.5%
5. Pensioners				
Health ins.***	5.1%	5.1%	5.1%	5.1%
	(farmer: 5.6%)	(farmer: 5.6%)	(farmer: 5.6%)	(farmer: 5.6%)
6. Pensioners Civil Servants				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980	5,130	5,220	5,370
Health insurance	4.90%	4.90%	4.90%	4.90%
Pension insurance****	3.10%	3.00%	2.90%	2.78%

Note: Lower and upper contribution limits are monthly values and refer to 1/14 of the annual amount. * not due for special payments (13th, 14th). ** (in most cases) lower and upper contribution limit not relevant: see text. For special regulations (age limits, income limits, rates) see text below. *** no information whether former farmer; thus, 5.6% not modelled. **** 2017-2020: mixed rate weighted for no. of different types of civil servant pensioners.

Employees' contributions to health insurance [tscee s]

(1) (Active) civil servants pay a rate of 4.1% of the contribution base (gross salary). For lower and upper income thresholds see the table above.

(2) Non-public sector blue- and white-collar workers pay a basic rate of 3.87% of the gross wage. Agricultural workers and free lancers pay 3.87%. For lower and upper income thresholds see the table above.

For apprenticeships a reduced health insurance rate of 1.67% has to be paid (we assume that employees aged 15, 16 and 17 are apprentices; however in EU-SILC for persons aged 15 no personal income is available). For apprentices the lower contribution limit is not valid.

Pensioners' contributions to health insurance [tscee_s]

(1) Civil servant pensioners pay a rate of 4.90% of the contribution base (gross pension). For the lower and upper income thresholds see the table above.

(2) The health-insurance contribution for non-civil servant pensioners is 5.1% of the gross pension (regular and special payments), without any base-limits and upper limits. For former farmer the rate is higher by 0.5pp (abolished in 2020) but for pensioners there is no information on the respective group-affiliation in the data.

Employee contributions to pension insurance [tscee_s]

(1) According to the birth year, for yearly gross salaries below 14 times the upper contribution limit (see table above) civil servants pay between 10.25% (born 1984 and later) and 12.55% (born 1954 and earlier), for yearly gross salaries above 14 times the upper contribution limit (see table above) they pay between 0.00% (born 1984 and later) and 12.55% (born 1954 and earlier) as pension contribution.

Table 15: Pension contributions civil servants by birthyear; 2017-2020

Birth year	Rate below ceiling of 14 times monthly upper contr. Limit	Rate above ceiling of 14 times monthly upper contr. limit
1984 and later	10.25 %	0.00 %
1983	10.32 %	0.98 %
1982	10.34 %	1.23 %
1981	10.36 %	1.47 %
1980	10.37 %	1.72 %
1979	10.39 %	1.96 %
1978	10.41 %	2.21 %
1977	10.43 %	2.46 %
1976	10.45 %	2.70 %
1975	10.68 %	5.90 %
1974	10.69 %	6.12 %
1973	10.71 %	6.35 %
1972	10.73 %	6.57 %
1971	10.74 %	6.79 %
1970	10.76 %	7.01 %
1969	10.77 %	7.23 %
1968	10.79 %	7.45 %
1967	10.81 %	7.67 %
1966	10.82 %	7.89 %
1965	10.84 %	8.11 %
1964	10.85 %	8.33 %
1963	10.87 %	8.56 %
1962	10.89 %	8.78 %
1961	10.90 %	9.00 %
1960	10.92 %	9.22 %

1959	12.21 %	10.72 %
1958	12.26 %	10.79 %
1957	12.31 %	11.22 %
1956	12.35 %	11.47 %
1955	12.40 %	11.73 %
1954 and earlier	12.55 %	12.55 %

(2) The contribution of employees in the private sector is 10.25% of the gross wage (regardless of the occupation; incl. free lancers). In case of deferment of an old-age pension (for women assuming the age-break 60-62 years; for men assuming the age-break 65 to 67 years), the contribution rate is reduced by 50%. For lower and upper contribution limits see the table above.

Pensioner's pension contributions [tscee_s]

Only civil servant pensioners also pay a pension contribution: in 2017-2020 we modelled an average contribution rate based on the year of retirement and group (regular civil servants or Austrian Federal Railways), without any base-limits and upper limits.

Employee contributions to unemployment insurance [tscee_s]

Employees (non-civil-servants) pay a contribution of 3% on gross wages. For lower and upper contribution rates see the table above. If the gross wage per month is below € 1,648 (2018: 1,696; 2019: 1,987; 2020: 2,049) but above € 1,464 (2018: 1,506; 2019: 1,834; 2020: 1,891) the contribution rate amounts to 2%, between € 1,342 (2018: 1,381; 2019: 1,681; 2020: 1,733) and € 1,464 (2018: 1,506; 2019: 1,834; 2020: 1,891) to 1% and below € 1,342 (2018: 1,381; 2019: 1,681; 2020: 1,733) it is zero (excl. special payments; =yearly income/14).

No contributions at all are due for elderly male employees (63+) and elderly female employees (60+).²

For apprenticeships a reduced unemployment insurance rate of 1.20% has to be paid. If the gross wage per month in 2020 is below € 1,891 but above € 1,733 per month the contribution rate amounts to 1%, below € 1,733 it is zero (we assume that employees aged 15, 16 and 17 are apprentices in their first two years, however in EU-SILC for persons aged 15 no personal income is available). For apprentices the lower contribution limit is not valid.

Employees' contributions to housing benefit ('Wohnbauförderungsbeitrag', [tscee_s])

In order to improve the position of (lower income) people on the housing market, federal states have a special housing benefit, to which every employee (incl. civil servants, excl. free lancers and agricultural workers) – contributes with 0.5% of his gross wage. For lower and upper contributions limits see the table above. On special payments (13th, 14th salary) no contribution is due. No contributions are due for apprentices.

Employees' Compulsory Union (or "chamber") Contributions („Kammerumlage", [tscee_s])

In Austria non-agricultural sector employees contribute to employee's chamber's budget on a compulsory base. Civil servants do not pay chamber contributions at all. Non-agricultural sector employees pay 0.5% (agricultural workers: 0.75%) of their gross wages. For lower and upper

² In part there is also the pre-condition that there is entitlement to an old-age pension (except corridor pension). For men we assume that this does not happen before 63 years, for women we assume that this does not happen before 60 years but that with 60 years the conditions for an old age pension are fulfilled.

contribution limits see the table above. Special payments (13th, 14th salary) are exempted from contribution payments. No contributions are due for apprentices.

2.5.2 Employer social contributions

Table 16: Employer social contribution rates 2017-2020

	2017	2018	2019	2020
1. Blue and white collar employees				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980.00	5,130.00	5,220	5,370
Health insurance	3.78%	3.78%	3.78%	3.78%
Accident insurance	1.30%	1.30%	1.20%	1.20%
Pension insurance	12.55%	12.55%	12.55%	12.55%
Unemployment ins.	3.00%	3.00%	3.00%	3.00%
Insolvency Fund	0.35%	0.35%	0.35%	0.20%
Housing benefit*	0.50%	0.50%	0.50%	0.50%
Family Fund	4.10%	3.90%	3.90%	3.90%
2. Agricultural workers				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980.00	5,130.00	5,220	5,370
Health insurance	3.78%	3.78%	3.78%	3.78%
Accident insurance	1.30%	1.30%	1.20%	1.20%
Pension insurance	12.55%	12.55%	12.55%	12.55%
Unemployment ins.	3.00%	3.00%	3.00%	3.00%
Insolvency Fund	0.35%	0.35%	0.35%	0.20%
Family Fund	4.10%	3.90%	3.90%	3.90%
3. Free lancers (“Freie Dienstnehmer/Innen”)				
lower contr. limit	425.70	438.05	446.81	460.66
upper contr. limit	4,980.00	5,130.00	5,220	5,370
Health insurance	3.78%	3.78%	3.78%	3.78%
Accident insurance	1.30%	1.30%	1.20%	1.20%
Pension insurance	12.55%	12.55%	12.55%	12.55%
Unemployment ins.	3.00%	3.00%	3.00%	3.00%
Insolvency Fund	0.35%	0.35%	0.35%	0.20%
Family Fund	4.10%	3.90%	3.90%	3.90%
4. Civil Servants				
lower contr. limit	425.70 €	438.05 €	446.81	460.66
upper contr. limit	4,980.00 €	5,130.00 €	5,220	5,370
Health insurance	3.535%	3.535%	3.535%	3.535%
Accident insurance**	0.47%	0.47%	0.47%	0.47%
Housing benefit*	0.5%	0.5%	0.5%	0.5%

Note: Lower and upper contribution limits are monthly values and refer to 1/14 of the annual amount. For special regulations (age limits, income limits) see text below. * not due for special payments (13th, 14th).

** lower and upper contribution limit not relevant.

Employer contributions to accident insurance [tscer_s]

(1) The employer of civil servants pays 0.47% of the gross salary without any lower and upper contribution limit.

(2) Employers of non-civil servants pay 1.3% (from 2019 on 1.2%) of the employees’ gross wages. For lower and upper contribution limits see the table above. No contributions are due for elderly employees (60+) and apprentices (15-17 years).

Contributions have also need to be paid for persons with “minor wages”

Employer contributions to health insurance [tscer_s]

(1) Employers of civil servants pay a basic rate of 3.535% on the gross salaries/gross pensions. The contribution base includes the regular payments and special payments, as well. For the lower and upper income thresholds see the table above.

(2) Employers of non-civil servant blue- and white-collar workers pay a basic rate of 3.78% of the gross wage. The employers of agricultural workers contribute to the health-insurance budget with 3.78%. For the lower and upper thresholds see the table above. However, if the contribution base is below the lower contribution limit but the sum of minor wages paid by the employer exceeds 1.5 times the lower contribution limit, employers contribute to the health insurance budget with 3.85% of the base.

For apprenticeships a reduced health insurance rate of 1.68% has to be paid (we assume that employees aged 15, 16 and 17 are apprentices; however in EU-SILC for persons aged 15 no personal income is available). For apprentices the lower contribution limit is not valid.

EUROMOD Notes: We assume that it is always the case that for each employer the sum of “minor wages” of all employees exceeds 1.5 times the lower contribution limit and thus, health insurance contributions of 3.85% are modelled for each employee with “minor employment”.

Employer contributions to pension insurance [tscer_s]

Employers of non-civil-servants pay a pension contribution of 12.55% of the gross wage, irrespective of the occupation (blue-collar, white collar, free lancers).³ In case of deferment of an old-age pension (for women assuming the age-break 60-62 years; for men assuming the age-break 65 to 67 years), the contribution rate is reduced by 50%. For the lower and upper income thresholds see the table above.

However, if the contribution base is below the lower contribution limit but the sum of minor wages paid by the employer exceeds 1.5 times the lower contribution limit, employers contribute to the pension insurance budget with 12.55% of the base, too.

EUROMOD Notes: We assume that it is always the case that for each employer the sum of “minor wages” of all employees exceeds 1.5 time the lower contribution limit and thus, pension insurance contributions of 12.55% are modelled for each employee with “minor employment”. Employers of employees with minor wages pay 1.2% accident insurance, 3.85% health insurance and 12.55% pension insurance (in total 16.3%).

Employer contributions to unemployment insurance [tscer_s]

Employers pay the contributions to unemployment insurance exactly according to the same algorithm as employees (incl. the exemption for elderly). The only difference is that the contribution rate is not reduced in case of low employment income.

Employers' contributions to housing benefit („Wohnbauförderungsbeitrag“, [tscer_s])

Employers pay the same amount of contribution, according to the same algorithm, as employees do. Special payments (13th, 14th salary) are exempted from contribution payments. No contributions are due for apprentices.

Employers' Contribution to Family Benefits Fund (Beitrag zum Familienlastenausgleichsfonds“, [tscer_s])

³ “Employers” of civil servants don’t pay pension contributions for them.

The contribution is paid by all employers (except for employers of free lancers and civil servants) on the sum of all gross wages paid in the business. If this sum is lower than € 1,460 per month then it is reduced by € 1,095. The contribution is 4.1% (from 2018 on: 3.9%) of the gross wages without upper limit. No contributions have to be paid for employees aged 60+.

EUROMOD Notes: Due to lack of information on the potential sum of gross wages below € 1,460 within a company, this regulation is not taken into account.

Employers' Contribution to Insolvency Fund ("Zuschlag Insolvenzentgeltsicherungsgesetz (IESG)", [tscher s])

Contributions to the fund are made by the employers, who pay 0.35% (2020: 0.2%) of the total gross payroll with regard to the contribution base (for all those employees for whom they are liable to pay unemployment insurance contributions disregarding the age limit for unemployment contributions). The contribution base limits are the same, as in the case of other contributions. No contributions have to be paid for civil servants, for apprentices (age 15-17), for elderly male employees (63+), as well as for elderly female employees (60+).⁴

Severance pay fund („Mitarbeitervorsorgekasse“)

EUROMOD Notes: Not modelled, as it is not known which employees are in the old and which employees are in the new severance pay system.

⁴ In part there is also the pre-condition that there is entitlement to an old-age pension. For men we assume that this does not happen before 62 years, for women we assume that this does not happen before 60 years.

2.5.3 Self-employed social contributions

Table 17: Self-employed social contribution rates 2017-2020

	2017	2018	2019	2020
1. Self employed and professionals (GSVG, FSVG)				
minimum contribution limit	425.70	438.05	446.81	460.66
upper contribution limit	5,810.00	5,985.00	6,090.00	6,265
Health insurance	7.65%	7.65%	7.65%	6.80%
Accident insurance*	9.33 €/m	9.60 €/m	9.79 €/m	10.09 €/m
1a. Self employed (GSVG)				
minimum contribution limit	425.70/ 723.52	438.05/ 654.25	446.81/ 654.25	460.66/ 574.36 ⁵
upper contribution limit	5,810.00	5,985.00	6,090.00	6,265
Pension insurance	18.5%	18.5%	18.5%	18.5%
Provision fund	1.53%	1.53%	1.53%	1.53%
1b. Professionals (FSVG)				
minimum contribution limit for pension insurance	723.52	654.25	654.25	574.36
upper contribution limit for pension insurance	5,810	5,985	6,090	6,265
Pension insurance	20.00%	20.00%	20.00%	20.00%
2. Farmers (BSVG)				
minimum contribution limit	785.56	808.34	824.51	850.07
minimum contribution limit for pension insurance	425.70	438.05	446.81	460.66
upper contribution limit	5,810.00	5,985.00	6,090.00	6,265
Health insurance	7.65%	7.65%	7.65%	6.80%
Accident insurance	1.90%	1.90%	1.90%	1.90%
Pension insurance	17.00%	17.00%	17.00%	17.00%

Note: Lower and upper contribution limits are monthly values and refer to 1/12 of the annual amount. For special regulations (age limits, income limits) see text below. * lower and upper contribution limit not relevant.

Self-employed contribution to accident insurance [tscse s]

(1) Farmers pay a rate of 1.9% of the contribution base (gross self-employment income). For the minimum income threshold and the upper limit of the contribution base see the table above.

(2) Other self-employed pay a fixed amount per month for the accident insurance.

Self-employed contributions to health insurance [tscse s]

(1) Farmers pay 7.65% (2020: 6.8%) on gross earnings. For the minimum contribution limit and the upper contribution limit see the table above.

(2) Non-farmer self-employed face a basic contribution rate of 7.65% (2020: 6.8%) of gross self employment income. For the upper base limit and the minimum contribution limits see the table above. 100% of total self employment contributions have also to be paid if other health-insurance contributions (ASVG = white or blue collar workers, or B-KUVG = civil servants) have been paid.

⁵ 574.36 € for members of the Austrian Economic Chamber. As there is no information in SILC we assume that those exclusively with self-employment income are members.

Self-employed contributions to provision fund [tscseot_s]

Self-employed (only GSVG) pay 1.53% on gross earnings. For the minimum contribution limit and the upper contribution limit see the table above.

Self-Employed contributions to pension insurance [tscse_s]

(1) Farmers (“Betriebsführer/Innen”) pay pension insurance contribution of 17.0%. For the minimum income limit and upper contribution limit see the table above.

(2) Professionals (lawyers, doctors, etc.; “Freiberufler/Innen”) have a different contribution rate (20%) and the limits for the contribution base are also different (see the table above).

(3) For self-employed according to GSVG the contribution rate is 18.5%. For the minimum income limit and upper contribution limit see the table above.

In case of deferment of an old-age pension (for women assuming the age-break 60-62 years; for men assuming the age-break 65 to 67 years), the contribution rate is reduced by 50%.

EUROMOD Notes: We don’t have information on the chamber-membership (different threshold). In 2016 the minimum contribution limit for non-members was decreased. As the difference between the two minimum contribution limits is now significant, we assume that those with exclusively self-employment income are members of the chamber.

2.5.4 Co-insurance in the health insurance (employees, self-employed)

For certain adult co-insured relatives (spouses, housekeeping relatives, parents, etc.) the co-insurance is subject to contributions. The insured person has to pay an additional contribution of 3.4 % of his gross earnings (pension).

Exempted from the additional contributions are spouses who care for the upbringing of children in the common household or have done this in the past for at least 4 years, for relatives receiving care benefit at least in degree 3 and for relatives who care for the insured person entitled to care benefit of at least degree 3.

Children (incl. step children, grandchildren in case they live in the common household (or are temporarily out of the household due to occupational education or health care) with the insured person are basically co-insured without additional contributions below 18 years of age. In case of full-time education children and grand-children are also co-insured for free below 27 years of age when their studies are successful. This is also the case for max. 24 months during unemployment spells after reaching 18 years of age respective after completing a school or occupational education. The co-insurance is for free without age-limit in case the child is not capable to work and the underlying health problem has occurred below 18 years of age or during school or occupational education.

EUROMOD Notes: As we don’t have exact information on the criteria for whom the co-insurance contribution has to be paid (e.g., women who have never raised a child) we **don’t model** the co-insurance payments.

2.5.5 Credited insurance contributions

Contributions to health insurance for pensioners [tscer_s]

For “employers“ of non-civil servant pensioners, i.e. the pension insurance authorities, the law specifies different health-insurance contributions. The pension insurance institution for blue-collar and white-collar workers (ASVG) pay a contribution of 3.98% of the contribution base. Other insurance institutions have to pay different rates.

EUROMOD Notes: The health contributions by pension insurance authorities are not modelled as they represent only a shift of contributions from the pension insurance to the health insurance.

2.6 Personal income tax

2.6.1 Tax unit

Personal income tax system in Austria is an individual system. Generally, the tax unit is an individual who has received income. However, the family tax credit “Familienbonus Plus“ (till 2018 the child tax allowance) can be divided equally into two parts between parents.

2.6.2 Exemptions

With the exception of public pensions (paid by the pension insurance), pensions of civil servants, private pensions and sickness benefit, all benefits are exempted from income tax in Austria. However, for benefits from the unemployment insurance the progression adjustment has to be taken into account (see below).

2.6.3 Tax allowances

(Social insurance) contributions [tscee_s, tscer_s, tscse_s]

When calculating income tax, the first deduction used is the deduction for social insurance contributions. All (social insurance) contributions of employees, self-employed and pensioners listed above are tax deductible.

Cost of earnings deduction ("Werbungskostenabzug", [tintace_s])

The amount of deduction from employment income (gross wages minus social insurance contributions) is € 132 annually. The cost of earnings deduction reduces the taxable income. Every employee is eligible (not: self employed).

Exceptional costs deduction („Sonderausgabenpauschale“, [tintaee_s])

Also in case of no exceptional deduction, automatically a lump sum of € 60 per year is subtracted from the incomes. Every person liable to tax is eligible. The deduction will be abolished after 2020.

Self assessment income tax-free allowance ("Freibetrag fuer zu veranlagende Einkommensarten", tintatb_s)

An employee whose employment income is liable to wage tax (part of income tax) is allowed to have other taxable incomes up to € 730 per calendar year exempted from tax. Other taxable incomes are for example:

- Incomes from agriculture and forestry,
- self employment income,
- incomes from service contracts („Werkverträge“),
- incomes from renting and leasing.

In case these other incomes exceed € 730 per year the tax exempted amount is reduced by the amount the other incomes exceed € 730. Thus, in case of other incomes of € 1,460 € or more, no tax-free allowance is subtracted anymore and these incomes are completely liable to tax.

Tax allowance for profits (self employed) ("Gewinnfreibetrag", tintase_s)

In 2010 for self-employed a tax allowance for profits was introduced. Also free lancers who do not receive special payments are eligible. It reduces the tax assessment base (taxable income). For profits up to € 30,000 it amounts to 13% (maximum € 3,900). If the profit is higher than € 30,000 it is calculated from this limit. In case of higher profits also a tax allowance for investments is available. As we do not have information on potential investments in the data, the tax allowance for investments is not modelled.

Child tax allowance ("Kinderfreibetrag" [tintach_s])

Abolished after 2018!

The child tax allowance considers the reduced economic capacity of persons liable to tax with maintenance obligations towards children. It reduces the taxable income.

It is granted for children for whom there is entitlement to the child tax credit or maintenance tax credit for more than 6 months in the calendar year.

If only one person liable to tax claims the child tax allowance, it amounts to € 440 (2016-2018) per child and year. In case both partners claim the child tax allowance for the same child, it amounts to € 300 (2016-2018) per child and claiming person per year.

The child tax allowance can only be claimed via the annual tax declaration.

EUROMOD notes: Special expenses ("Sonderausgaben"), Exceptional costs deductions ("Außergewöhnliche Belastungen") are not considered in the model as relevant information is lacking in the data.

2.6.4 Tax base

The income tax law lists seven income types, which are taxable:

- 1) Incomes from agriculture and forestry
- 2) Incomes from self-employed work
- 3) Incomes from business enterprises
- 4) Incomes from non-self employed work, which also includes:

- Pensions both of non- and civil servants (exempted from tax are all benefits/rents by the accident insurance as well as allowances based on the laws for war/civil/crime victims, military provision, vaccination damage),
 - Child bonuses for pensioners and civil servant pensioners,
 - Payments from pension funds (payments and pensions, which are based on contributions by the employer, are fully taxable; of payments and pensions, which are based on contributions by the employee, only 25% are taxed. Pensions from a premium-favored pension provision, premium-favored future provision and of the new severance pay system are exempted from tax).
 - Sickness benefits⁶
- 5) Incomes from capital assets
6) Incomes from rent and leasing⁷
7) Other income

The yearly tax base is calculated as follows:

Yearly tax base =
+ Yearly Gross income (excl. special payments 13th, 14th)
- (social insurance) contributions (employees, pensioners, self-employed; excl. special payments)
- lump sum cost of earnings deduction („Werbungskostenpauschale“) (employees)
- lump sum exceptional cost deduction („Sonderausgabenpauschale“) (all persons liable to tax)
- self assessment income tax-free allowance ("Freibetrag für zu veranlagende Einkommensarten") (employees)
- Tax allowance for profits (self employed) ("Gewinnfreibetrag")
- child tax allowance (“Kinderfreibetrag”) (all persons liable to tax) [abolished after 2018!]

⁶ Unemployment benefit, unemployment assistance, pension advancement, transitory payment („Übergangsgeld“) and family supplement in the unemployment assistance are in fact exempted from tax. However, it has to be considered in the framework of the progression adjustment (“Progressionsvorbehalt”; see below).

⁷ For incomes from rent and leasing it has to be noted that the definition of taxable incomes in the income tax law is different from the definition of the related item in the EU-SILC data. The item in the EU-SILC data includes also incomes from rent and leasing that were withdrawn by the self-employed person and consequently not taxed. Also writing-off practices lead to differences in the two definitions.

2.6.5 Tax schedule

Common Tax Schedule for regular earnings

COVID-related measure: in the course of the crisis it was decided to reduce the tax rate related to the income bracket 11,000 till 18,000 € from 25% to 20% with retrospective effect of 1 January 2020.

Table 18: Income brackets and tax rates income-tax 2017-2020

Income brackets (taxable €/year)	2017-2019	2020
<11,000	0%	0%
11,000-18,000	25%	20%
18,000-31,000	35%	35%
31,000-60,000	42%	42%
60,000-90,000	48%	48%
90,000-1,000,000	50%	50%
>1,000,000	55%	55%

2.6.6 Tax credits

The tax credits have to be applied in the order listed below (exemption: child/maintenance tax credit, which application is flexible due to its non-income dependent nature). To better understand the possibilities of negative tax, the following sequence should be considered:

- 1) Family tax credit “Familienbonus Plus”: only to be subtracted as long as it does not exceed the income tax after applying tax brackets; if certain conditions are fulfilled, an additional amount “Kindermehrbetrag” can be subtracted which also qualifies for negative tax;
- 2) Single earners’ and lone parent tax credit: if conditions fulfilled always paid also as negative tax;
- 3) Commuters’/ pensioners’ tax credit are fully deductible (in case of low incomes as long as within limits of negative tax; see below)
- 4) Negative tax within commuters’ tax credit is applied if income tax after tax credits is below 0: 50% of yearly employee’s social insurance contributions, contributions to housing benefit and compulsory Union Contributions, but at most € 400 per year. However, the negative tax is limited with the income tax below 0 after applying the tax credits; negative tax within pensioners’ tax credit is applied if income tax after tax credits is below 0: 50% (2020: 75%) of yearly pensioners’ social insurance contributions, but at most 110 € (2020: 300) per year. However, the negative tax is limited with the income tax below 0 after applying the tax credits.
- 5) (child tax credit: always paid as negative tax without any additional conditions apart from having a child; paid together with family allowance like a cash benefit)

Family tax credit (“Familienbonus Plus”, [tintcfa00_s])

- **Definitions**

The family tax credit considers the reduced economic capability of persons liable to tax with maintenance obligations against children.

- **Eligibility conditions**

The family tax credit can be claimed for children for whom the child or maintenance tax credit is due.

- **Amount of the tax credit**

In case only one parent claims the family tax credit, for children below 18 years of age it amounts to € 125 per month and child. For children above 17 years of age the family tax credit amounts to € 41.68 per month.

In case both parents claim the family tax credit for the same child, each parent receives 50% of the tax credit, i.e. € 62.50 or € 20.84 per month and child and claiming person.

The family tax credit reduces the income tax due and is limit with the income tax before applying the tax credits. It can be claimed via the yearly tax exchange or at the employer

- **Additional amount ("Kindermehrbetrag ", [tintcfang_s])**

In case there is entitlement to the single earner or lone parent tax credit and no or only a low income tax is due, the "Kindermehrbetrag" is granted via the yearly tax exchange in form of a negative tax. A pre-condition is that on less than 330 days in the calendar year unemployment benefit, unemployment assistance or minimum income benefit was received.

The „Kindermehrbetrag“ amounts to € 250 per year and child, less the income tax due before applying the tax credits.

Single earner tax credit ("Alleinverdienerabsetzbetrag", [tintcsw_s])

- **Definitions**

The single earners' tax credit takes into account the reduced economic capacity of persons liable to tax and with maintenance obligations towards the (marriage)-partner and towards children.

- **Eligibility conditions**

Single earners are persons liable to tax who are married or cohabited for more than 6 months in the calendar year and who are not permanently separated. The income of the spouse must not exceed a certain yearly income limit. As additional pre-condition for at least one child the child tax credit must be granted for at least 7 months in the calendar year.

- **Income test**

The income of the spouse is considered. The income limit of the spouse amounts to € 6,000 per year.

(Self) Employment incomes are:

- gross incomes liable to tax –
- (social insurance) contributions –
- lump sum cost of earnings deduction (employees) € 132–
- tax exempted other incomes (e.g. 13th, 14th up to the "Freigrenze" of € 2,100).

Incomes of running an enterprise are operating revenues minus operating expenditures.

To be considered are also:

- maternity benefit,
- severance pay or pension compensations,
- incomes from capital assets (e.g., interest, dividends from company shares), even when they were already taxed.

Most of the tax exempted incomes are **not** considered, e.g.,

- family allowance, childcare benefit,
- unemployment benefit and unemployment assistance,
- maintenance payments, etc.

In case of multiple incomes the total amount of all incomes is decisive.

- *Amount of the tax credit*

The single earners' tax credit reduces the income tax. In case of 1 child the tax credit amounts to € 494 per year, in case of 2 children to € 669 per year. For the 3rd and each further child the tax credit is increased by € 220 per year. In case of low incomes the tax credit is also paid as negative tax.

Lone parent tax credit ("Alleinerzieherabsetzbetrag", [tintclp_s])

- *Definitions*

The lone parent tax credit considers the reduced economic capacity of persons liable to tax with maintenance obligations towards children.

- *Eligibility conditions*

The person liable to tax, who receives for at least 1 child for at least 7 months in the calendar year family allowance, is considered as lone parent as long he/she does not cohabit for more than six months in the calendar year.

- *Amount of the tax credit*

The lone parent tax credit reduces the income tax. In case of 1 child the tax credit amounts to € 494 per year, in case of 2 children to € 669 per year. For the 3rd and each further child the tax credit is increased by € 220 per year. In case of low incomes the tax credit is also paid as negative tax.

Commuters' tax credit ("Verkehrsabsetzbetrag", [tintcox_s])

The costs of commuting between residence place and working place for employees are compensated cross-the-board by the commuters' tax credit. The tax credit amounts to € 400/year. From 2020: The commuters' tax credit is increased by a supplement of € 300/year, if the income of the person liable to tax does not exceed € 15,500/year. Between incomes of € 15,500 and € 21,500 the supplement is gradually reduced to 0. The tax unit is the individual. The commuters' tax credit reduces the income tax and is fully deductible (in case of low incomes as long as within limits of negative tax; see below).

In case of eligibility to the commuters' tax credit and income tax below 0 after applying the tax schedule and the tax credits, a negative tax of 50% of annual employee's social insurance

contributions, contributions to housing benefit and compulsory Union Contributions up to € 400/year is refunded.⁸ From 2020: Persons liable to tax and entitled to the commuters' tax credit supplement (see above) the maximum refund is increased by € 300. All refunding (2017-2020) is limited with the calculated income tax below 0 after applying the tax credits.

COVID-related measure: the supplement to the commuter's tax credit as well as the related increase of the maximum social insurance refund is increased by €100 to a total of € 400 from 2020 on.

Pensioners' tax credit ("Pensionistenabsetzbetrag", [tintcpe_s])

A person receiving a pension (pension insurance, civil servants' pension, pension fund) is entitled to the pensioners' tax credit. It is only granted in case there is **no** entitlement to the commuters' tax credit. The (increased) pensioners' tax credit amounts to € 764/year (2020: 964) if the person liable to tax is married or cohabits for more than 6 months of the calendar year, is not separated, and the taxable pension incomes do not exceed € 19,930 (in addition between € 19,930 and € 25,000 the increased tax credit is reduced gradually to 0) in the calendar year and the incomes of the spouse do not exceed € 2,200 in the calendar year (according to the rules of the single earner tax credit) and the person liable to tax is not eligible to the single earner tax credit.

In all other cases, pensioners have a tax credit of € 400/year (2020: 600). For taxable pension-incomes between € 17,000 and 25,000/year the deduction is tapered (at 25,000 it is tapered to 0) (not relevant for the increased tax credit above). The tax unit is the individual.

The pensioners' tax credit reduces the income tax and is fully deductible).

Within the tapering zone the pensioners' tax credit is calculated as follows:

$(25.000 \text{ minus yearly pension income}) \times 5\%$ (2020: 7.5%)

Yearly pension income =
+ Yearly gross pension income
- (social insurance) contributions
- exceptional costs deduction (lump sum)
- child tax allowance

In case of eligibility to the pensioners' tax credit and income tax below 0 after applying the tax credits, a negative tax of 50% (2020: 75%) up to € 110/year (2020: 300) is refunded. However, this refunding is limited with the calculated income tax below 0 after applying the tax credits.

Child tax credit, maintenance tax credit ("Kinderabsetzbetrag"; "Unterhaltsabsetzbetrag", [tintch_s])

- **Definitions**

Child and maintenance tax credit consider the reduced economic capacity of persons liable to tax with maintenance obligations towards children.

- **Entitlement conditions**

a) child tax credit: the person liable to tax receives family allowance for 1 child, who has his permanent place of residence in Austria.

⁸ In case of commuters ("Pendler") there is a higher refunding available. However, there is no information on the fulfilment of the eligibility conditions in the SILC-data.

b) maintenance tax credit: the person liable to tax is obliged to pay maintenance payments for a child who does not live in the same household. For this child the person liable to tax or his/her spouse in the same household does not receive family allowance. Another pre-condition is that the child has his permanent place of residence in Austria or in a EU- or EEA-state.

- *Amount of the tax credit*

The amount of child tax credit (for children in the same household) is € 58.4/month and child. The child tax credit is paid jointly with the family allowance directly in cash (independent from income and tax liability; also as negative tax in case of low incomes).

For children, for whom maintenance payments are made, the amount of credit is € 29.2/month for the first child, € 43.8 for the second and € 58.4/month for each further child. The maintenance tax credit can only be applied for via the annual tax declaration.

EUROMOD notes: If there are maintenance payments (made to other children) then in the model it is assumed that they are made for one child (but this child doesn't increase the number of children in the household for the purpose of computing the child tax credit).

The child/maintenance tax credit is handled like a universal benefit in reality. It is paid (also as negative tax) independently from the income situation and does not influence income tax due. Thus, the (order of) simulation regarding the income/maintenance tax credit is quite flexible.

2.6.7 Progression adjustment (“Progressionsvorbehalt”)

In case the person liable to tax receives benefits by the unemployment insurance only for a part of the calendar year, the incomes received in the remaining year (self employment income, business enterprise or agriculture and forestry, and non-self employed incomes) are to be recalculated into a total yearly amount in order to assess the average tax rate for the actual taxable income. However, the resulting tax must not be higher than in case of the taxation of all incomes.

Calculation of average tax rate

Taxable effective regular income (gross minus [social insurance] contributions) / time period of regular income in days/ * 365/366 = extrapolated taxable yearly income
- lump sum cost of earnings deduction („Werbungskostenpauschale“) (employees)
- lump sum exceptional cost deduction („Sonderausgabenpauschale“)
- self assessment income tax-free allowance ("Freibetrag zu veranlagende Einkommensarten") (employees)
- child tax allowance (“Kinderfreibetrag”; only 2017 and 2018)
= Extrapolated income
Applying tax schedule
- tax credits (excluding child tax credit)
= yearly tax
Average tax rate = yearly tax * 100/ extrapolated income

The effective tax is calculated as follows (if calculated yearly tax above is equal to 0 or negative then income tax stays the same):

Taxable effective regular income
- lump sum cost of earnings deduction („Werbungskostenpauschale“) (employees)
- lump sum exceptional cost deduction („Sonderausgabenpauschale“)

- self assessment income tax-free allowance ("Freibetrag zu veranlagende Einkommensarten") (employees)
 - child tax allowance ("Kinderfreibetrag"; only 2017 and 2018)
- = Income

Effective tax = Income * average tax rate

(Tax credits are not newly calculated.)

Control calculation as if unemployment benefits were taxed:

- Taxable effective regular income
 - + unemployment benefits
 - lump sum cost of earnings deduction („Werbungskostenpauschale“) (employees)
 - lump sum exceptional cost deduction („Sonderausgabenpauschale“)
 - self assessment income tax-free allowance ("Freibetrag zu veranlagende Einkommensarten") (employees)
 - child tax allowance ("Kinderfreibetrag"; only 2017 and 2018)
- = Income

Applying tax schedule

- tax credits (excluding child tax credit)
- = yearly tax

The lower resulting tax is decisive

EUROMOD notes: So far the progression adjustment is calculated in a simplifying way: taxable incomes and unemployment benefits are summed up and taxed (as if also unemployment benefits were taxable). The resulting tax is corrected by multiplying it with taxable income and dividing it by the sum of taxable income and unemployment benefits.

2.7 Preferential tax of other earnings (13th, 14th; "Sonstige Bezuege")

The tax base of other earnings is calculated as follows:

- Tax base (taxable income) other earnings =
- + Gross amount other earnings (yearly amount)
- social insurance contributions other earnings

“Other Earnings” (“Sonstige Bezüge”) include 13/14th monthly payments for employees, pensioners and receivers of sickness benefit, which are exempted from taxation at the normal tax rates.

- (Independent from the amount of the total taxable income) on other taxable earnings below € 620/year (“Freibetrag”) for employees and pensioners no tax is paid, amounts above € 620 are taxed with 6%.
- However, if other earnings are below gross € 2,100/year, then they are not taxable at all (“Freigrenze”).
- The upper limit of preferential tax rate (6%) is 1/6 of annual gross income excluding other earnings. Other earnings above this limit are taxed under the regular scheme. However, the tax amounts to max. 30% of the tax base exceeding € 2,100. For higher incomes higher preferential tax rates have to be paid (see tables below).

Table 19: Income brackets and tax rates for preferential tax of other earnings (2016-2019)

Income brackets (taxable income other earnings)	Tax rates
<620	0%
620-25,000	6%
25,000-50,000	27%
50,000-83,333	35.75%
83,333-166,667	50%
> 166,667	55%

2.8 Other taxes

Capital gains tax (“Kapitalertragssteuer” [tinij s])

The capital gains tax is 25% for capital incomes from deposits and non-certified other claims at credit institutions, 27.5% for all other capital incomes. It is paid on the individual level.

Subject to the tax are:

- dividend earnings from domestic capital companies,
- foreign dividends, which are paid out by a domestic bank,
- interest earnings in the broader sense,
- substance profits („Substanzgewinne“) of domestic funds on funds level.

3. DATA

3.1 General description

The Austrian database consists of the Austrian part of the European Union Statistics on Income and Living Conditions (EU-SILC). EU-SILC in Austria uses an integrated rotational design which means that each year about one fourth of the sample is replaced by a new quarter. Sampling units are dwelling units registered in the central residence register (ZMR). The sampling frame consisted of all accommodations with at least one person aged 16 or older who has her/his main residence in these accommodations. The following units were excluded: institutional housing facilities, dwelling units, in which all persons with their main residence in this unit were younger than 16 years. The fieldwork for the EU-SILC 2018 operation started in February 2018 and ended in July 2018. The overall individual non-response rate amounted to 25.1% in total. Since EU-SILC 2012 also register data is included. The data is provided by Statistics Austria.

Table 20: EUROMOD database description

EUROMOD database	AT_2018_a1
Original name	EU-SILC 2018
Provider	Statistics Austria
Year of collection	2018
Period of collection	February – July 2018
Income reference period	Year 2017
Sampling	two phase stratified probability sample
Unit of assessment	dwelling units

Coverage	private units
Sample size	12,749 IND 6,103 HH
Response rate	74.9%

The use sample design comprises of a disproportional allocation per federal state. However, the number of households to be extracted does not differ much from a proportional stratification. The follow-up samples comprises of persons from households surveyed in the previous year. Thus, the follow-up samples have the character of a person sample and not of a household sample.

The sample size of EU-SILC 2018 comprises of 8,518 addresses gross, 3,684 first wave households and 4,834 follow-up households. 122 addresses did not exist. Of the 8,215 valid addresses 6,105 households could be surveyed. Due to quality problems 2 interviews had to be excluded. Thus, 6,103 household interviews could be used for the analysis.

3.2 Data adjustment

Adjustments to variables are kept to a minimum. There is some minor data cleaning that is done to make sure that the households and relationships of individuals within households, are coherent (for example, that young children are not living alone or family relations are coherent).

In order to guarantee consistency between demographic variables and income variables which refer to the previous year (and on which EUROMOD simulation are based), all children born between the end of the income reference period and the data of interview have been dropped from the sample.

3.3 Imputations and assumptions

3.3.1 Time period

The EU-SILC information on socio-demographic variables both on the individual and household level (e.g., marital status, social status, employment status, number of hours worked per week, type of occupation, industry of employment, education, tenure status household composition, living conditions, etc.) refers to the time of data collection (February-July, 2018). The only exception is the main activity per month which refers to the year 2017.

The EU-SILC information on incomes and expenditures refers to the calendar year of 2017, based on a 12-month receipt period. Additional information on the number of income payments per year and monthly amounts has been obtained from a special disaggregated SILC dataset provided by Statistics Austria. This has been used for selective income sources (unemployment benefit, unemployment assistance, old age part-time benefit, sickness benefit, accident rent, care benefit, maternity benefit). All monetary incomes in the EUROMOD database are converted into monthly terms. In the EUROMOD calculations we multiply the monthly income by the number of months received according to SILC and then calculate monthly averages by dividing by twelve. Thus, as there is no other possibility due to lacking information, it is implicitly assumed that income is received at the same rate throughout the year.

3.3.2 Gross incomes

Statistics Austria in general only imputes net income variables, missing gross variables are calculated by the net-gross conversion. If an income variable is missing but either the gross or the

net amount is declared, the corresponding missing value is computed according to a model based on Austrian tax data. Missing values for incomes from self-employment (PY050) were calculated on the basis of the tax payments and social contributions stated by the respondents, missing values for income from employment (PY010) or pension incomes (PY100) are calculated on the basis of the wage tax statistics. Thus, the EU-SILC data contained all necessary information on both gross and net monetary incomes, if applicable.

As we could use also disaggregated income data provided by Statistics Austria, no imputations of income variables were necessary.

3.4 Updating

To account for any time inconsistencies between the input dataset and the policy year, updating factors are used. Each monetary variable (i.e. each income component) is updated so as to account for changes in the non-simulated variables that have taken place between the year of the data and the year of the simulated tax-benefit system. Updating factors are generally based on changes in the average value of an income component between the year of the data and the policy year. For detailed information about the construction of each updating factor as well as the sources that have been used, see Annex 1.

As a rule, updating factors are provided both for simulated and non simulated income components present in the input dataset. Note however that in the case of simulated variables, the actual simulated amounts are used in the baseline rather than the updated original variables in the dataset. Updating factors for simulated variables are provided so as to facilitate the use of the model in cases when the user wishes to turn off the simulation of a particular variable. The list of updating factors as well as the sources used to derive them can be found in Annex 1.

For updating factors not available so far (mostly for years 2019 and 2020) the consumer price index is used as default. No other updating adjustments are used. Thus, the distribution of characteristics (such as employment status and demographic variables) as well as the distribution of each non-simulated income source remains on the status in 2017.

4. VALIDATION

Note: COVID crisis-related labour market changes are not considered (see summary of health warnings for more details). The family hardship fund is not modelled due to low take-up figures at the time of modelling system changes.

4.1 Aggregate Validation

EUROMOD results are validated against external benchmarks. Detailed comparisons of the number of people receiving a given income component and total yearly amounts are shown in Annex 2. Both market incomes and non-simulated taxes and benefits in the input dataset as well as simulated taxes and benefits are validated against external official data. The main discrepancies between EUROMOD results and external benchmarks are discussed in the following subsections. Factors that may explain the observed differences are also discussed.

4.1.1 Components of disposable income

There are only minor differences in the definition of disposable income between EUROMOD and EU-SILC.

Table 21: Components of disposable income

	EUROMOD	EU-SILC 2018
	ils_dispy	HY020
Employee cash or near cash income	+	+
Employer's social insurance contribution	-	-
Company car	0	+
Contributions to individual private pension plans	0	0
Cash benefits or losses from self-employment	+	+
Pension from individual private plans	+	0
<i>Unemployment benefits</i>	+	+
<i>Old-age benefits</i>	+	+
<i>Survivor' benefits</i>	+	+
Sickness benefits	+	+
Disability benefits	+	+
Education-related allowances	+	+
Income from rental of a property or land	+	+
<i>Family/children related allowances</i>	+	+
Social exclusion not elsewhere classified	+	+
Housing allowances	+	+
Regular inter-household cash transfer received	+	+
Interests, dividends, etc.	+	+
Income received by people aged under 16	+	+
Regular taxes on wealth	0	0
<i>Regular inter-household cash transfer paid</i>	-	-
<i>Tax on income and social contributions</i>	-	-
<i>Repayments/receipts for tax adjustment</i>	0 (via simulation)	+/-

4.1.2 Validation of incomes inputted into the simulation

Table 4.2: The difference in the number of employed between EUROMOD and the reference statistics is due to the fact that the latter comprise of a yearly average.

Table 4.3: Related to the number of recipients of market income the number of persons with employment incomes in SILC fits quite well to external statistics. The ratio of the number of persons with self-employment, investment income and income from rent in SILC depends on how restricted persons with these types of income are counted in the income tax statistics. The external statistics for persons which receive maintenance payments comprise only persons with advanced maintenance payments by the state. Persons with incomes from private pension seem include only occupational pensions in the reference statistics.

Table 4.4: Related to the aggregate amounts of market income against employment income in SILC fits very well to external statistics. Self employment incomes, investment income and incomes from rent are overestimated in SILC compared to income tax statistics partly due to different definitions as well as underreporting in SILC. The reference figures for maintenance payments include maintenance payments by the state only. Private pension payments are under-estimated in SILC.

Table 4.5: The number of direct pensions of non-civil servants and survivor's pensions are slightly underestimated, because only pension paid out in Austria are covered. The underestimation of civil servants pensions in SILC is due to the fact that in case of survivor pensions it cannot be distinguished whether the pension stems from a civil servant or not. The high overestimation of receivers of sickness/health benefit (and maternity benefit) in SILC is due to the fact that the reference figures comprise only of a yearly average. The underestimation of care/disability benefit in SILC is due to the fact that only persons outside institutions are surveyed. Reference figures for education allowances include only study allowance and pupil allowance.

Table 4.6: The aggregate amount of benefit for accident is clearly under-represented in SILC but it might be that some part of the aggregated amount is wrongly classified as benefits other than the main benefit. The aggregate amounts of pensions (civil servants and non civil servants, direct and survivor pension) fit quite well between SILC and the reference statistics. However, in SILC only pensions paid out in Austria are covered. Differences in the single categories are due to the fact that survivors' pension following civil servants cannot be distinguished in the data. The underestimation of care/disability benefit in SILC is due to the fact that only persons outside institutions are surveyed. Reference figures for education allowances are somewhat higher, although recipients include only study allowance and pupil allowance. Sickness/health benefit is somewhat over-estimated in SILC, while housing benefit is somewhat under-estimated.

4.1.3 Validation of outputted (simulated) incomes

Table 4.7: The higher simulated number of childcare benefit, unemployment benefit and unemployment assistance recipients is due to the fact that the reference figures relate to a certain point in time in the year whereas EUROMOD simulates all (cumulated) recipients during the year. Family bonuses of the Federal States are only modelled according to the policy rules in Vienna. Recipient figures for minimum income benefit in EUROMOD include non-take-up and are only modelled for Vienna. The overestimation of self-employed SIC-payers (HI, PI) is due to the overrepresentation of self employment income in SILC. The underestimation of accident insurance-payers among self employed is due to the fact that reference figures also count active family members.

Table 4.8: The underestimation of family/child allowance is due to the fact that children with disability are not easy to identify in the original SILC data. The increase in 2020 is due to the

additional universal benefit related to the COVID-crisis. Family bonuses of the Federal States are only modelled according to the policy rules in Vienna. Simulated figures for minimum income benefit in EUROMOD include non-take-up which is a well-known feature of this type of benefit (Fuchs et al. 2019) and refer only to Vienna. In reality, expenditure for unemployment benefit and assistance decreased after 2017. In EUROMOD we uprate the simulated amount from 2017. The decrease in income tax in 2020 is due to the early decrease of the lowest marginal tax rate related to the COVID-crisis. Increases of negative tax, commuter's tax credit and pensioner's tax credit are due to policy changes partly also relating to the COVID-crisis. The decrease in employer contributions to insolvency fund is due to the decrease of the related contribution rate. The high underestimation of tax on investment income is due to underreporting of this type of income in the data. The overestimation of self-employed SIC (HI, PI) is due to the overrepresentation of self-employment income in SILC (see table 4.4). The reference figures for tax credit for single earner and tax credit for lone parents are counted together in the reference figures, and thus, fit quite well to the simulated values.

4.2 Income distribution

All income distribution results presented here are computed for individuals according to their household disposable income (HDI) equivalised by the “modified OECD” equivalence scale. HDI are calculated as the sum of all income sources of all household members net of income tax and social insurance contributions. The weights in the OECD equivalence are: first adult=1; additional people aged 14+ = 0.5; additional people aged under 14 = 0.3. The above average increase of mean income in 2020 is due to specific COVID crisis-related measures, while changes in employment status are not modelled in the baseline.

4.2.1 Income inequality

Table 4.9: The simulated income distribution fits quite well to external statistics. Given non-take-up in reality, higher values for the 1st decile share are to be found in EUROMOD. Also Gini and S80/20 are a somewhat lower in EUROMOD. The above average decrease in income inequality indicators in 2020 is due to specific COVID crisis-related measures, while changes in employment status are not modelled in the baseline.

4.2.2 Poverty rates

Table 4.10: The simulated poverty rates fit quite well to external statistics. Given non-take-up in reality, lower poverty rates in EUROMOD are to be found for the 40% and 50%-threshold. The lower poverty rate of elderly (65+) might be due to the fact that in EUROMOD in case of pension top-up and pensions slightly above this limit, also housing allowance within social assistance is simulated, which shifts pensioners concerned above the poverty line. In reality there should be high non-take-up of housing allowance within social assistance by pensioners. For the age-group below 16 years the poverty rate is lower in EUROMOD possibly due to non-take-up of minimum income benefit in reality. On the contrary, for the age group 50-64 year the poverty rate is higher in EUROMOD. The overall decrease in AROPs in 2020 is due to specific COVID crisis-related measures, while changes in employment status are not modelled in the baseline.

4.3 Summary of “health warnings”

This final section summarises the main findings in terms of particular aspects of the Austrian part of EUROMOD or its database that should be borne in mind when planning appropriate uses of the model and in interpreting results.

- The sample size is relatively small. Care should be taken especially in interpreting results for small sub-groups.
- No adjustments are made for structural changes in the characteristics of the population between the data year (2017) and the simulation years (2017-2020).
- There is a shortfall of persons with higher incomes and investment income in the sample. It is likely that the main reason is a shortfall of persons with higher incomes and these sources of income or an under-recording of these sources for people with higher incomes.
- Non-take up of benefits is not modelled. This has the effect of (a) inflating the cost of these benefits and the cost of making them more generous (especially related to social assistance), and (b) slightly diminishing the relative impact of benefits that do not show problems of non-take up.
- The simulation of monetary compensation schemes is triggered by the simulation of labour market transitions defined in policy TransLMA_cc. This policy becomes operational if the model is run in conjunction with the LMA add-on. The nature of these simulations is still experimental and only partially validated. Users are encouraged to refer to the “*Simulating labour market transitions in EUROMOD*” document prior to their use.
- Labour market transitions are switched OFF in EUROMOD baselines. As a consequence, the simulation of monetary compensation schemes does not produce any effect in baseline simulations. Since all policies not linked to labour market transitions are fully functional, it is possible for disposable income in 2020 to be higher than disposable income in previous years.

5. REFERENCES

5.1 Statistical Sources

AMS, AMS Geschäftsbericht, Wien 2017-2020.

Fuchs, M., Gasior K., Premrov T., Hollan K., Scoppetta A., Falling through the Social Safety Net? Analysing Non-Take-up of Minimum Income Benefit and Monetary Social Assistance in Austria. Social Policy & Administration, 2020, 1-17 (early view).

Hauptverband der österreichischen Sozialversicherung, Handbuch/Jahresbericht der österreichischen Sozialversicherung, Wien 2018-2020a.

Hauptverband der österreichischen Sozialversicherung, Statistisches Handbuch der österreichischen Sozialversicherung, Wien 2018-2019b.

Statistik Austria, Statistisches Jahrbuch 2018-2020, Wien 2017a-2019a.

Statistik Austria, Integrierte Statistik der Lohn- und Einkommensteuer, Wien 2018-2020b.

Statistik Austria, Einkommensteuerstatistik, Wien 2018c-2020c.

Statistik Austria, Lohnsteuerstatistik, Wien 2018d-2020d.

Statistik Austria, Tabellenband EU-SILC 2018, Einkommen, Armut und Lebensbedingungen, Wien 2019.

Statistik Austria, Steuern und Sozialbeiträge in Österreich, Einnahmen des Staates und der EU, http://www.statistik.at/web_de/statistiken/oeffentliche_finanzen_und_steuern/oeffentliche_finanzen/steuereinnahmen/index.html.

Statistik Austria, www.statistik.at

5.2 Sources for tax-benefit descriptions/rules

BMF, Das Steuerbuch 2017-2020, Wien 2017-2020.

Hauptverband der österreichischen Sozialversicherung, Handbuch/Jahresbericht der österreichischen Sozialversicherung, Wien 2017-2020a.

Kammer für Arbeiter und Angestellte (Hg.), Sozialleistungen im Überblick, Wien 2017-2020.

Rechtsinformationssystem des Bundes, www.ris.bka.gv.at

5.3 Sources for description SILC data

Statistik Austria, Standard-Dokumentation Metainformationen (Definitionen, Erläuterungen, Methoden, Qualität) zu EU-SILC 2018, Wien 2020.

ANNEX 1: UPRATING FACTORS

Table 22: Raw indices for deriving EUROMOD uprating factors

Index	Constant name	2017	2018	2019	2020	Source
Harmonised Index of Consumer Prices	\$HICP	103.22	105.41	107.0	108.7	Source: EUROSTAT, annual average
CPI 2005 = 100 (as of June)	\$f_cpi	124.8	127.3	129.8	132.4	Source: Statistik Austria
Average annual wage	\$f_yem	32267	33221	33873	34551	Source: Statistik Austria (Lohnsteuer- und HV-Daten)
Average annual wage, previous year	\$f_yempv	31752	32267	33221	33873	Source: Statistik Austria (Lohnsteuer- und HV-Daten)
Average annual self-employment income	\$f_yse	26518	27049	27580	28132	Source: Statistik Austria (Einkommensteuer-/Lohnsteuer- und HV-Daten)
Equ. disposable income (original silc), not uprated	\$f_ydses	1	1	1	1	-
Annual average issue yields 2006 = 100	\$f_yiy	123.02	123.42	123.83	124.23	Source: Statistik Austria (Statistisches Jahrbuch, 30.11)
Family benefits that are not uprated	\$f_bfa	1	1	1	1	-
Family benefits (based on semi-orphan base rate at age 24)	\$f_bfaam	581.6	594.4	609.85	631.80	Source: AK - Sozialleistungen im Überblick
Average daily rate of unemployment benefit	\$f_bunct	31.68	32.13	32.76	33.42	Source: Statistik Austria (AMS-Daten)
Average daily rate of unemployment assistance	\$f_bunnc	25.07	25.99	26.50	27.03	Source: Statistik Austria (AMS-Daten)
Average housing costs per m2	\$f_xhcert	7.63	7.85	8.00	8.16	Source: Statistik Austria (Mikrozensus)
Monthly disability benefit, rate 1	\$f_bdi1	157.3	157.3	157.3	160.1	Source: AK - Sozialleistungen im Überblick
Monthly disability benefit, rate 2	\$f_bdi2	290	290	290	295.2	Source: AK - Sozialleistungen im Überblick
Monthly disability benefit, rate 3	\$f_bdi3	451.8	451.8	451.8	459.9	Source: AK - Sozialleistungen im Überblick
Monthly disability benefit, rate 4	\$f_bdi4	677.6	677.6	677.6	689.8	Source: AK - Sozialleistungen im Überblick
Monthly disability benefit, rate 5	\$f_bdi5	920.3	920.3	920.3	936.9	Source: AK - Sozialleistungen im Überblick
Monthly disability benefit, rate 6	\$f_bdi6	1285.2	1285.2	1285.2	1308.3	Source: AK - Sozialleistungen im Überblick
Monthly disability benefit, rate 7	\$f_bdi7	1688.9	1688.9	1688.9	1719.3	Source: AK - Sozialleistungen im Überblick
Annual discretionary indexation pensions 2006 = 100	\$f_poa	121.05	123.35	125.82	129.22	Source: Handbuch der österreichischen Sozialversicherung
Annual discretionary indexation accident pension (based on minimum income benefit, monthly base rate)	\$f_bac	889.84	909.42	933.06	966.65	Source: Handbuch der österreichischen Sozialversicherung
Average annual wage, following year	\$f_yemdt	32348	32995	33572	34231	Source: Statistik Austria (Lohnsteuer- und HV-Daten),

ANNEX 2: POLICY EFFECTS IN 2019-2020

Note: COVID crisis-related labour market changes are not taken into account. Furthermore, hardship fund for self-employed and wage compensation scheme for short-time work are switched off in the baseline. The family hardship fund is not simulated due to low take-up figures at the time of modelling system changes.

Table 1 and Figure 1 show the ceteris paribus effect of 2020 policies on mean equivalised household disposable income by income component and income decile group. The effect is estimated as the difference between the simulated household disposable income under the 2020 tax-benefit policies (monetary parameters have been deflated using the Eurostat's Harmonized Index of Consumer Prices, HICP⁹) and the simulated household disposable income under 2019 policies. The difference is measured as a percentage of the mean equivalised household disposable income in 2019.

In 2019-20, households experienced on average a real increase of 1.9%. The policy effect was clearly progressive with an increase of 4.0% in the lowest decile and an increase of 0.8% in the highest decile.

The income increase in all decile groups was to a large extent driven by the decrease in direct taxes (on average 0.9%; COVID-related early decrease of the lowest marginal tax rate and measures related to commuter's tax credit, pensioner's tax credit as well as negative tax), an increase in non-means tested benefits (on average 0.6%; extra universal payment for children entitled to family allowance related to the COVID-crisis) and the indexation of pensions (on average 0.5%). In lower income groups also the increase of means-tested benefits played an important role.

The progressive increases in disposable income related to direct taxes are due to the introduction of the supplement to the commuter's tax credit as well as both the introduction of the social insurance bonus (further increased as COVID-related measure) and the increase of negative tax for pensioners as two extensions of negative tax. In addition the pensioner's tax credit was increased and the tax rate of the first bracket reduced from 25% to 20% (the latter relevant at least partly relevant for all persons with a taxable yearly income of at least € 11,000 and fully relevant with a taxable yearly income of at least € 18,000).

The increase in terms of non-means tested benefits is due to an extra universal payment of € 360 per child entitled to family allowance as COVID-related measure.

The increase in terms of means tested benefits in the first and second decile is due to the indexation of minimum income benefit according to the indexation of minimum pension top-up which is clearly above the CPI. In addition, an income limit related to childcare benefit was raised.

The small gains in the lower deciles related to employee's social insurance contributions seem to be due to above-average increase of the income-limits for reduced contributions to unemployment insurance. The small losses in the higher deciles are due to the increase of the lower and upper contributions limits above the CPI

The small increases in the lower deciles related to social insurance contributions of self-employed could be due to the decrease of the minimum contribution base in the pension insurance and reduction of the contribution rate for health insurance.

⁹ Annual average retrieved from Eurostat website, AMECO forecast for 2020 data.

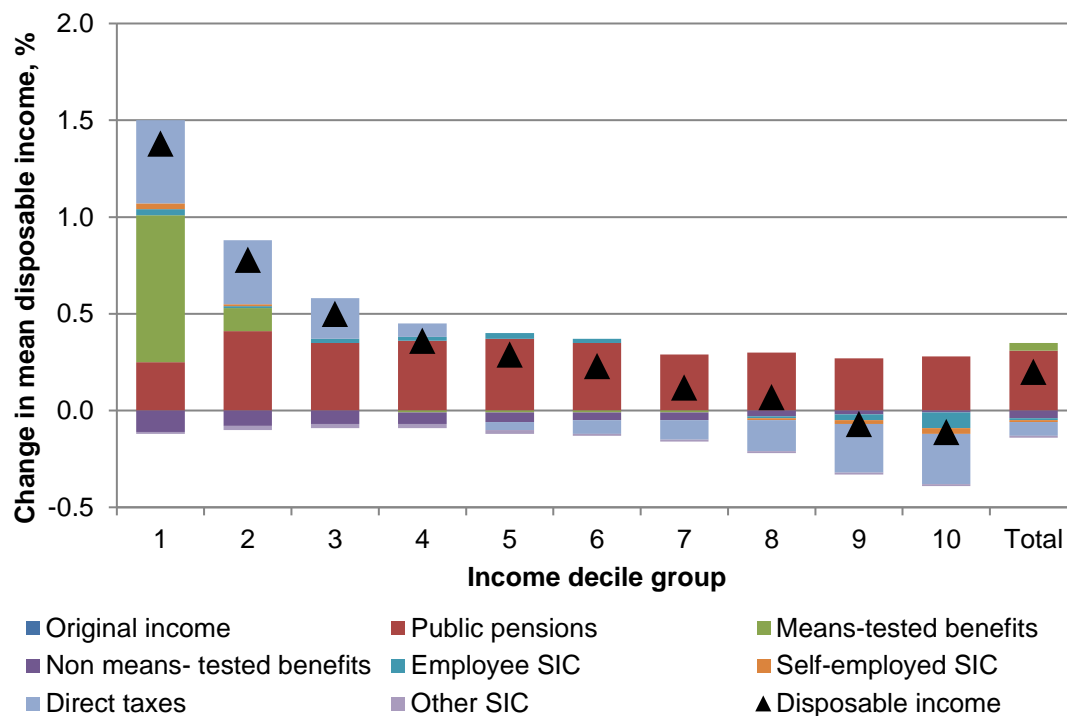
In terms of employers’ social insurance contributions the contribution rate to the insolvency fund was decreased.

Table 1. Policy effects in 2019-2020, using the CPI-indexation, %

Decile	Original income	Public pensions	Means-tested benefits	Non means-tested benefits	Employee SIC	Self-employed SIC	Other SIC	Direct taxes	Disposable income
1	0.00	0.34	0.89	1.91	0.07	0.02	-0.02	0.76	3.97
2	0.00	0.56	0.20	1.54	0.02	0.01	-0.03	0.99	3.30
3	0.00	0.51	0.07	1.15	0.02	0.00	-0.02	1.22	2.95
4	0.00	0.51	0.02	0.81	0.03	0.01	-0.02	1.15	2.51
5	0.00	0.53	0.01	0.74	0.04	0.00	-0.02	1.07	2.38
6	0.00	0.50	0.01	0.59	0.02	0.00	-0.02	1.08	2.17
7	0.00	0.41	0.02	0.46	0.00	0.00	-0.02	1.04	1.90
8	0.00	0.43	0.00	0.37	-0.02	-0.02	-0.02	0.93	1.67
9	0.00	0.38	0.00	0.25	-0.04	-0.03	-0.01	0.75	1.30
10	0.00	0.41	0.00	0.16	-0.11	-0.05	-0.02	0.44	0.83
Total	0.00	0.45	0.06	0.59	-0.02	-0.01	-0.02	0.88	1.92

Notes: shown as a percentage change in mean equivalised household disposable income by income component and income decile group. Income decile groups are based on equivalised household disposable income in 2019, using the modified OECD equivalence scale. Each policy system has been applied to the same input data, deflating monetary parameters of 2020 policies by Eurostat’s Harmonized Index of Consumer Prices (HICP).

Figure 1. Policy effects in 2019-2020, using the CPI-indexation, %



ANNEX 3: VALIDATION STATISTICS

Table 4.2-Number of employed and unemployed

	EUROMOD	External				Ratio			
	2017	2017	2018	2019	2020	2017	2018	2019	2020
Number of employed	4,033,605	3,655,000	3,741,000	3,797,000	N/A	1.10	1.08	1.06	N/A
Number of unemployed	340,627	340,000	312,000	301,000	N/A	1.00	1.09	1.13	N/A

Source: Hauptverband SV, Statistik Austria

Table 4.3-Market income in EUROMOD -Number of recipients (in thousands)

	EUROMOD	External					Ratio			
	2017	2017	2018	2019	2020	2017	2018	2019	2020	
Reported earnings	4,229,735	4,332,000	4,405,000	N/A	N/A	0.98	0.96	N/A	N/A	
Reported self-employed earnings	812,297	424,000	N/A	N/A	N/A	1.92	N/A	N/A	N/A	
Investment income	4,077,795	9,000	N/A	N/A	N/A	453.09	N/A	N/A	N/A	
Other income	109,036	18,000	N/A	N/A	N/A	6.06	N/A	N/A	N/A	
Private pension	288,574	97,000	N/A	N/A	N/A	2.97	N/A	N/A	N/A	
Private transfers	315,491	48,000	47,000	N/A	N/A	6.57	6.71	N/A	N/A	
Income from rent	489,388	212,000	N/A	N/A	N/A	2.31	N/A	N/A	N/A	
Private transfers paid	463,593	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Source: Lohnsteuerstatistik, AK Sozialleistungen

Table 4.4-Market income in EUROMOD -Annual amounts (in mil.)

	EUROMOD				External				Ratio			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
Reported earnings	136,408	140,441	143,197	146,063	140,099	146,855	N/A	N/A	0.97	0.96	N/A	N/A
Reported self-employed earnings	19,488	19,879	20,269	20,675	13,177	N/A	N/A	N/A	1.48	N/A	N/A	N/A
Investment income	1,908	1,914	1,920	1,926	82	N/A	N/A	N/A	23.26	N/A	N/A	N/A
Private pension	985	1,006	1,022	1,034	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private transfers	1,659	1,708	1,742	1,776	132	133	N/A	N/A	12.57	12.84	N/A	N/A
Income from rent	3,840	3,951	4,026	4,107	2,370	N/A	N/A	N/A	1.62	N/A	N/A	N/A
Private transfers paid	2,250	2,297	2,333	2,362	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Source: Lohnsteuerstatistik, AK Sozialleistungen, Statistik Austria, Hauptverband SV

Table 4.5-Tax benefit instruments included but not simulated in EUROMOD -Number of recipients/ payers (in thousands)

	EUROMOD	External	Ratio						
	2017	2017	2018	2019	2020	2017	2018	2019	2020
Benefits									
Benefit for accident	87,042	96,000	95,000	93,000	N/A	0.91	0.92	0.94	N/A
Benefit for accident - other than main benefit	70,818	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Disability benefit	314,859	452,000	455,000	460,000	N/A	0.70	0.69	0.68	N/A
Education benefit	90,649	71,000	71,000	N/A	N/A	1.28	1.28	N/A	N/A
Health benefit	397,880	50,000	52,000	N/A	N/A	7.96	7.65	N/A	N/A
Other health benefits	128,371	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Housing benefit	150,652	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maternity benefit	83,505	65,000	64,000	N/A	N/A	1.28	1.30	N/A	N/A
Other unemployment benefit	68,421	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Unemployment benefir for training	227,009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Old age pension	1,689,373	1,842,000	1,870,000	1,902,000	N/A	0.92	0.90	0.89	N/A
Old-age pension for civil servants	192,639	316,000	317,000	N/A	N/A	0.61	0.61	N/A	N/A
Survivor pensions	372,470	499,000	497,000	494,000	N/A	0.75	0.75	0.75	N/A

Source: Hauptverband SV, AK Sozialleistungen

Table 4.6-Tax benefit instruments included but not simulated in EUROMOD -Annual amounts (in mil.)

	EUROMOD				External				Ratio			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
Benefits												
Benefit for accident	356	363	373	386	637	648	656	N/A	0.56	0.55	0.54	N/A
Benefit for accident - other than main benefit	135	138	140	142	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Disability benefit	1,318	1,318	1,318	1,341	2,490	2,599	2,356	N/A	0.53	0.51	0.56	N/A
Education benefit	217	222	225	228	244	295	N/A	N/A	0.89	0.74	N/A	N/A
Health benefit	1,034	1,050	1,082	1,103	725	772	840	N/A	1.43	1.34	1.23	N/A
Other health benefits	105	107	109	111	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Housing benefit	230	235	239	242	294	254	N/A	N/A	0.78	0.91	N/A	N/A
Maternity benefit	491	499	514	524	517	517	N/A	N/A	0.95	0.95	N/A	N/A
Other unemployment benefit	256	261	265	269	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Unemployment benefit for training	176	180	183	185	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Old age pension	36,018	36,707	37,453	38,515	32,442	33,708	N/A	N/A	1.11	1.07	N/A	N/A
Old-age pension for civil servants	8,123	8,277	8,443	8,679	11,524	11,734	N/A	N/A	0.70	0.69	N/A	N/A
Survivor pensions	3,720	3,792	3,871	3,982	4,904	4,999	N/A	N/A	0.76	0.74	N/A	N/A

Source: Hauptverband SV, AK Sozialleistungen, ESSOSS

Table 4.7-Tax benefit instruments simulated in EUROMOD -Number of recipients/ payers (in thousands)

	EUROMOD				SILC	Ratio	External				Ratio			
	2017	2018	2019	2020	2017	2017	2017	2018	2019	2020	2017	2018	2019	2020
Benefits														
Child care benefit	196,084	193,124	169,984	169,984	231,539	0.85	124,000	121,000	N/A	N/A	1.58	1.60	N/A	N/A
Supplement to child care benefit	8,150	8,150	8,150	8,150	0	N/A	8,000	8,000	N/A	N/A	1.02	1.02	N/A	N/A
Family allowance	1,087,289	1,085,666	1,084,704	1,083,011	1,155,561	0.94	1,068,000	1,068,000	N/A	N/A	1.02	1.02	N/A	N/A
Family bonus Vienna	20,506	21,258	20,472	20,472	14,426	1.42	17,000	N/A	N/A	N/A	1.21	N/A	N/A	N/A
Social assistance Vienna	406,637	408,580	408,352	405,124	170,285	2.39	185,000	172,000	N/A	N/A	2.20	2.38	N/A	N/A
Unemployment benefit	633,553	633,553	633,553	633,553	649,180	0.98	138,000	131,000	N/A	N/A	4.59	4.84	N/A	N/A
Family supplement to unempl. assistance	271,864	271,864	276,464	276,464	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Unemployment assistance	175,353	175,353	195,616	195,616	317,476	0.55	157,000	144,000	N/A	N/A	1.12	1.22	N/A	N/A
Child tax credit	1,084,793	1,083,171	1,082,209	1,080,516	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Taxes and Social Insurance contributions														
Income tax	5,945,545	5,951,687	5,977,700	5,991,285	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Income tax - negative tax	1,310,299	1,271,218	1,370,154	1,618,110	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for single earner	317,502	313,553	338,092	333,887	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for lone parents	132,378	132,378	132,378	132,378	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for commuting	3,199,488	3,241,204	3,190,323	3,202,254	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for employees	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for pensioners	855,312	856,431	840,706	838,715	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Child tax allowance	1,272,467	1,281,039	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax allowance for profits	583,455	587,684	594,397	593,494	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax on investment income	4,076,504	4,076,504	4,076,504	4,076,504	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Credited SIC - health	1,847,019	1,847,019	1,847,019	1,847,019	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employee SIC - health	3,858,801	3,859,148	3,858,801	3,851,832	N/A	N/A	3,492,000	3,579,000	N/A	N/A	1.11	1.08	N/A	N/A
Employee SIC - old age	3,859,253	3,859,601	3,859,253	3,852,285	N/A	N/A	3,571,000	3,690,000	3,539,000	N/A	1.08	1.05	1.09	N/A
Employee SIC - unemployment	2,768,637	2,769,407	2,493,838	2,471,955	N/A	N/A	3,329,000	3,442,000	N/A	N/A	0.83	0.80	N/A	N/A
Employee SIC - housing	3,847,390	3,765,785	3,765,438	3,758,677	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employee SIC - union	3,671,749	3,590,144	3,589,796	3,582,828	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employer SIC - accident	3,642,229	3,642,577	3,642,229	3,636,673	N/A	N/A	3,542,000	3,628,000	3,688,000	N/A	1.03	1.00	0.99	N/A
Employer SIC - family fund	3,846,650	3,846,650	3,846,650	3,846,650	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employer SIC - health	4,229,735	4,229,735	4,229,735	4,229,735	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employer SIC - housing	3,847,390	3,765,785	3,765,438	3,758,677	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employer SIC - old age	4,042,231	4,042,231	4,042,231	4,042,231	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employer SIC - insolvency fund	3,525,745	3,526,092	3,525,745	3,520,188	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Employer SIC - unemployment	3,607,697	3,608,044	3,607,697	3,602,140	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pensioner SIC - health	1,954,701	1,954,701	1,954,701	1,954,701	N/A	N/A	2,304,000	2,322,000	N/A	N/A	0.85	0.84	N/A	N/A
Pensioner SIC - old age	192,639	192,639	192,639	192,639	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Self employed SIC - accident	810,535	810,535	810,535	810,535	N/A	N/A	1,456,000	1,454,000	1,462,000	N/A	0.56	0.56	0.55	N/A
Self employed SIC - health	777,450	777,450	777,450	778,404	N/A	N/A	535,000	542,000	N/A	N/A	1.45	1.43	N/A	N/A
Self employed SIC - old age	777,450	778,409	778,409	779,364	N/A	N/A	583,000	589,000	595,000	N/A	1.33	1.32	1.31	N/A

Source: Statistik Austria, AK Sozialleistungen, Integrierte Lohn- und Einkommenssteuerstatistik, statistische Daten des Hauptverband SV

Table 4.8-Tax benefit instruments simulated in EUROMOD - Annual amounts (Mil.)

	EUROMOD				SILC	Ratio	External				Ratio			
	2017	2018	2019	2020	2017	2017	2017	2018	2019	2020	2017	2018	2019	2020
Benefits														
Child care benefit	961	900	812	810	1,326	0.72	1,192	1,188	N/A	N/A	0.81	0.76	N/A	N/A
Supplement to child care benefit	18	18	18	18	0	N/A	25	21	N/A	N/A	0.73	0.86	N/A	N/A
Family allowance	3,269	3,328	3,325	3,977	4,557	0.72	3,422	3,516	N/A	N/A	0.96	0.95	N/A	N/A
Family bonus Vienna	39	41	40	40	15	2.71	20	19	N/A	N/A	1.99	2.18	N/A	N/A
Social assistance Vienna	2,252	2,308	2,333	2,382	1,082	2.08	977	941	N/A	N/A	2.31	2.45	N/A	N/A
Unemployment benefit	2,024	2,060	2,120	2,168	2,140	0.95	1,631	1,562	N/A	N/A	1.24	1.32	N/A	N/A
Family supplement to unempl. assistance	81	81	85	85	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Unemployment assistance	1,229	1,263	1,431	1,471	1,725	0.71	1,439	1,361	N/A	N/A	0.85	0.93	N/A	N/A
Child tax credit	1,276	1,275	1,274	1,273	0	N/A	1,326	1,337	N/A	N/A	0.96	0.95	N/A	N/A
Taxes and Social Insurance contributions														
Income tax	31,851	33,411	33,012	32,310	0	N/A	31,189	33,588	35,433	N/A	1.02	0.99	0.93	N/A
Income tax - negative tax	322	308	341	688	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for single earner	213	211	228	225	0	N/A	330	330	N/A	N/A	0.65	0.64	N/A	N/A
Tax credit for lone parents	76	76	76	76	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for commuting	1,248	1,262	1,230	1,390	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for employees					0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax credit for pensioners	257	255	251	335	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Child tax allowance	769	766			0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax allowance for profits	1,192	1,209	1,231	1,247	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tax on investment income	477	478	480	482	0	N/A	760	771	559	N/A	0.63	0.62	0.86	N/A
Credited SIC - health	1,799	1,833	1,871	1,924	0	N/A	1,812	1,893	N/A	N/A	0.99	0.97	N/A	N/A
Employee SIC - health	4,850	4,988	5,084	5,192	0	N/A	4,936	5,202	N/A	N/A	0.98	0.96	N/A	N/A
Employee SIC - old age	12,926	13,310	13,566	13,853	0	N/A	13,462	14,138	14,808	N/A	0.96	0.94	0.92	N/A
Employee SIC - unemployment	3,056	3,147	3,034	3,085	0	N/A	3,317	3,460	N/A	N/A	0.92	0.91	N/A	N/A
Employee SIC - housing	534	548	559	571	0	N/A	534	563	581	N/A	1.00	0.97	0.96	N/A
Employee SIC - union	492	504	514	525	0	N/A	439	456	458	N/A	1.12	1.11	1.12	N/A
Employer SIC - accident	1,473	1,517	1,432	1,462	0	N/A	1,498	1,573	1,529	N/A	0.98	0.96	0.94	N/A
Employer SIC - family fund	4,895	4,794	4,888	4,986	0	N/A	5,487	5,399	N/A	N/A	0.89	0.89	N/A	N/A
Employer SIC - health	4,723	4,857	4,950	5,057	0	N/A	4,916	5,105	N/A	N/A	0.96	0.95	N/A	N/A
Employer SIC - housing	534	548	559	571	0	N/A	534	563	581	N/A	1.00	0.97	0.96	N/A
Employer SIC - old age	14,440	14,868	15,154	15,480	0	N/A	15,046	15,898	16,709	N/A	0.96	0.94	0.91	N/A
Employer SIC - insolvency fund	393	405	413	241	0	N/A	355	374	394	N/A	1.11	1.08	1.05	N/A
Employer SIC - unemployment	3,379	3,474	3,541	3,616	0	N/A	3,307	3,453	3,567	N/A	1.02	1.01	0.99	N/A
Pensioner SIC - health	2,414	2,461	2,510	2,582	0	N/A	2,540	2,603	N/A	N/A	0.95	0.95	N/A	N/A
Pensioner SIC - old age	252	248	245	241	0	N/A	311	309	288	N/A	0.81	0.80	0.85	N/A
Self employed SIC - accident	100	102	104	113	0	N/A	103	98	110	N/A	0.96	1.04	0.95	N/A
Self employed SIC - health	1,216	1,244	1,268	1,296	0	N/A	881	941	998	N/A	1.38	1.32	1.27	N/A
Self employed SIC - old age	2,966	3,024	3,079	3,138	0	N/A	2,456	2,562	2,721	N/A	1.21	1.18	1.13	N/A

Source: ESSOSS, Statistik Austria, AK Sozialleistungen, AMS-Geschäftsbericht, Hauptverband SV, Sozialministerium

Table 4.9-Distribution of equivalised disposable income

	EUROMOD				External				Ratio			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
D1	4.42	4.40	4.38	4.45	3.40	N/A	N/A	N/A	1.30	N/A	N/A	N/A
D2	5.49	5.49	5.52	5.58	5.50	N/A	N/A	N/A	1.00	N/A	N/A	N/A
D3	6.66	6.66	6.75	6.84	6.70	N/A	N/A	N/A	0.99	N/A	N/A	N/A
D4	7.68	7.64	7.75	7.74	7.60	N/A	N/A	N/A	1.01	N/A	N/A	N/A
D5	8.51	8.53	8.58	8.64	8.60	N/A	N/A	N/A	0.99	N/A	N/A	N/A
D6	9.60	9.58	9.62	9.64	9.60	N/A	N/A	N/A	1.00	N/A	N/A	N/A
D7	10.65	10.68	10.69	10.70	10.70	N/A	N/A	N/A	1.00	N/A	N/A	N/A
D8	11.98	11.98	11.95	11.90	12.00	N/A	N/A	N/A	1.00	N/A	N/A	N/A
D9	14.03	14.11	13.96	13.90	14.30	N/A	N/A	N/A	0.98	N/A	N/A	N/A
D10	20.97	20.93	20.80	20.60	21.60	N/A	N/A	N/A	0.97	N/A	N/A	N/A
Median	24,587	25,090	26,004	27,005	25,176	N/A	N/A	N/A	0.98	N/A	N/A	N/A
Mean	27,196	27,748	28,556	29,564	27,804	N/A	N/A	N/A	0.98	N/A	N/A	N/A
Gini	25.08	25.13	24.80	24.41	26.80	N/A	N/A	N/A	0.94	N/A	N/A	N/A
S80/S20	3.53	3.54	3.51	3.44	4.04	N/A	N/A	N/A	0.87	N/A	N/A	N/A

Source: Eurostat

Table 4.10-Poverty rates by gender and age

	EUROMOD				External				Ratio			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
40% median HDI												
Total	0.2	0.2	0.2	0.2	4.4	N/A	N/A	N/A	0.04	N/A	N/A	N/A
Males	0.2	0.2	0.2	0.2	4.4	N/A	N/A	N/A	0.06	N/A	N/A	N/A
Females	0.1	0.1	0.1	0.1	4.5	N/A	N/A	N/A	0.03	N/A	N/A	N/A
50% median HDI												
Total	6.1	6.0	6.5	6.1	8.8	N/A	N/A	N/A	0.70	N/A	N/A	N/A
Males	6.3	6.2	6.5	6.2	8.3	N/A	N/A	N/A	0.76	N/A	N/A	N/A
Females	6.0	5.8	6.5	6.0	9.2	N/A	N/A	N/A	0.65	N/A	N/A	N/A
60% median HDI												
Total	14.6	14.5	14.8	14.2	14.3	N/A	N/A	N/A	1.02	N/A	N/A	N/A
Males	14.0	13.8	14.2	13.4	13.3	N/A	N/A	N/A	1.05	N/A	N/A	N/A
Females	15.1	15.1	15.5	15.0	15.2	N/A	N/A	N/A	0.99	N/A	N/A	N/A
70% median HDI												
Total	22.1	22.4	22.1	21.8	22.3	N/A	N/A	N/A	0.99	N/A	N/A	N/A
Males	20.9	21.2	20.7	20.4	21.0	N/A	N/A	N/A	1.00	N/A	N/A	N/A
Females	23.3	23.6	23.4	23.1	23.5	N/A	N/A	N/A	0.99	N/A	N/A	N/A
60% median HDI												
0-15 years	18.5	18.3	18.5	16.8	19.5	N/A	N/A	N/A	0.95	N/A	N/A	N/A
16-24 years	15.4	15.1	15.4	14.7	15.6	N/A	N/A	N/A	0.98	N/A	N/A	N/A
25-49 years	14.5	14.5	14.8	14.3	14.0	N/A	N/A	N/A	1.04	N/A	N/A	N/A
50-64 years	12.4	12.4	12.6	12.4	11.0	N/A	N/A	N/A	1.13	N/A	N/A	N/A
65+ years	13.5	13.4	14.3	14.1	13.9	N/A	N/A	N/A	0.97	N/A	N/A	N/A

Source: Eurostat