

Variable documentation ZA-No. 3431

Derived and newly formed variables in Adolescents longitudinal study

The variable documentation was compiled by the primary researchers involved in the project and edited by the Central Archive Cologne for integration of the variables in the ZA Codebook Explorer. Variables lacking values (with system/ user-defined missing values) were deleted from the data-set (ZA-No.3431) and the data-bank.

1. Variables of all-round importance

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Variables concerning availability of data-sets
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Important demographics2. Indices and scales derived from specific items

2. Indices and scales derived from specific items

Wave 1

Sex
Pattern of orientation
Political alienation
Stressful life events
Youth-centeredness
Physical rate of development
Relative rate of development
age
School education

School education of parents
Occupational training of parents
Place of residence
Federal state
Unemployment of parents
Age of mother
Age of father

Wave 2

Age
Number of siblings
School education
Sex
Federal state
Age of mother
Age of father
Age according to parental statements

Wave 3

Age
Number of siblings
School education
Sex
Federal state
Age of mother
Age of father

1. Variables of all-around importance

Variable name of new/ derived variable	Rules for formation
pagnr	Pagination number Running number from Shell-study 1991 retained throughout
<i>Variables concerning availability of data-sets</i>	
	Availability of data for adolescents in waves 1-3 whereby 1= data available; 0= data not available Respectively for mothers' data, fathers' data and household questionnaires Participation of the adolescent in survey as characterised by given figures and letters Participation of mother in survey as characterised by given figures and letters Participation of father in survey as characterised by given figures and letters Availability of household questionnaire as characterised by given figures and letters Complete set of parental questionnaires in waves 1-3 (mother, father and household) Availability of complete set of parental questionnaires as characterised by given figures and letters
<i>Variables concerning missing data-sets</i>	
marker	Indication of longitudinal discrepancies in date of birth, sex of child and part of country including their interpretations. 0 = inconspicuous 1 = moved from East to West 2 = new partner for one parent 3 = mistake Data sets / waves considered false were deleted

<i>Overview of important demographic variables (explanation concerning derivation in Part 2)</i>	
nation 1-3	Membership of East / West in waves 1-3 whereby 1=West, 2=East
sex 1-3	Sex whereby 1=male, 2=female
alt 1-3	Estimated age for 3 surveys (very inaccurate due to missing statements at the time of surveying in wave 1)
altm 1-3, altv 1-3	Corresponding estimates for parents
bildbei 1-3	Highest achieved school qualification 1= Hauptschule (lowest track) at maximum 2= Realschule (middle track) 3= Some kind of qualification giving access to college or university
bild_d 1-3	As above but dichotomised (2 and 3 combined)
bildziel 1-3	Aspired qualification, 3-tiered as above
bildung 1-3	Highest qualification when comparing attained and aspired
bild 1-3	As above but dichotomised (2 and 3 combined)
kbildun 1-3	Qualification aim / attained corrected for age (Aim only for pupils up to maximum school age: 21 in East, 22 in West; for all other participants: qualification attained) 3-tiered
kbild 1-3	As above but dichotomised (2 and 3 combined)

2. Indices and scales derived from specific items

1st Wave 1991

Topic	Variable name of question in questionnaire	Variable name of new / derived variable	Rules for composition
Sex	fr20a1	sex1	a duplicate of fr20a1
Pattern of orientation	fr31	privat	Privatisation Sum of items fr31a1-a5
		anpass	Willingness to conform Sum of items fr31a6-a10
		selbsttb	Self-assertion Sum of items fr31a11-a15
Political alienation	fr34	polent	Sum of items fr34a1-a5 Missing values replaced with 0 Since either all or none of the items were present, missing values for the scale were belatedly set to 0
<p>Timing of developmental transitions</p> <p>Indicator variables were formed for the developmental transitions, which depicted whether the given event had occurred (1) or not (0). The coding 99 for “not yet occurred” in fr 42 was clearly lost in the process of working on the database (recoded as missing), but was however recovered with help of these indicator variables, which differentiate between missing and 0 for “not occurred”. (fr42a ...: the first item refers to age remembered, the second, to the extent which it is present, refers to the subjective estimate of timing in comparison to peers of the same age. The first item is in each case decisive for the forming of the indicator variables)</p> <p>Time variables each contain the age stated in fr42. Given the case that the transition at time of survey had not occurred, the time variable was delegated the calculated age of the participant (alt1, compare with fr70,71)</p>			

Timing of developmental transitions Indicator variable Time variable	fr42	urler	holiday alone (from fr42a1 and a2): indicator 0= not occurred 1=occurred
		survurl	holiday alone: age stated / calculated
		weger	come and go (from fr42a3 and a4): indicator 0= not occurred 1=occurred
		survweg	come and go: age stated / calculated
		auszer	left home (from fr42a5): indicator 0= not occurred 1=occurred
		survaus	left home: age stated / calculated
		sexer	sexual experiences (from fr42a6 and a7): indicator 0= not occurred 1=occurred
		survsex	sexual experiences: age stated / calculated
		gelder	earned money (from fr42a8): indicator 0= not occurred 1=occurred
		survmon	earned money: age stated / calculated
		ausber	finished training (from fr42a9): indicator 0= not occurred 1=occurred
		survaub	finished training: age stated / calculated
		heirater	married (from fr42a10): indicator 0= not occurred 1=occurred
		survhei	married: age stated / calculated
		politer	political issues (from fr42a11 and a12): indicator 0= not occurred 1=occurred
		survpol	political issues: age stated / calculated
		anzer	decide what to look like (from fr42a13): indicator 0= not occurred 1=occurred
		survaus	decide what to look like: age stated / calculated
		elter	become parent (from fr42a14): indicator 0= not occurred 1=occurred
		survelt	become parent: age stated / calculated
arbler	unemployment (from fr42a15): indicator 0= not occurred 1=occurred		
survarb	unemployment : age stated / calculated		

	lieber	fell in love (from fr42a16): indicator 0= not occurred 1=occurred
	survlie	fell in love : age stated / calculated
	schuler	left school (from fr42a17): indicator 0= not occurred 1=occurred
	survsch	left school: age stated / calculated
	berufer	permanently employed (from fr42a18): indicator 0= not occurred 1=occurred
	survarb	permanently employed: age stated / calculated
	esser	cook own food (from fr42a19): indicator 0= not occurred 1=occurred
	hausher	undertook duties (from fr42a20): indicator 0= not occurred 1=occurred
	discoer	went to a club (from fr42a21 and a22): indicator 0= not occurred 1=occurred
	survdis	went to a club: age stated / calculated
	berwer	knew career (from fr42a23 and a24): indicator 0= not occurred 1=occurred
	survber	knew career: age stated / calculated
	jfrer	steady girlfriend (only boys) (from fr42a25 and a26): indicator 0= not occurred 1=occurred
	survfrej	steady girlfriend (only boys): age stated / calculated
	mfrer	steady boyfriend (only girls) (from fr42a27 and a28): indicator 0= not occurred 1=occurred
	survfrej	steady boyfriend (only girls): age stated / calculated
	ziger	>3 cigarettes per day (from fr42a29 and a30): indicator 0= not occurred 1=occurred
	alker	really drank alcohol (from fr42a31 and a32): indicator 0= not occurred 1=occurred
	survalk	really drank alcohol: age stated / calculated
	wohner	lived with partner (from fr42a33): indicator 0= not occurred 1=occurred
	survpar	lived with partner: age stated / calculated

Youth-centeredness	fr44	jz	Sum of items fr44a1-a10. One case carried the value 0 although the scale had to begin at 10, obviously due to the recoding of missings as 0. Since either all or none of the items were present, missing values for the scale were belatedly set to 0
<p>Physical rate of development</p> <p>As in fr42 indicator variables were formed for start of period (mener), breaking of voice (stier) and growth spurt (waxer), in each case 1 representing “experienced” and 0 “not experienced”.</p> <p>The adjoining survival variables are survmen, survsti and survwax correspond to fr59, fr60 and fr61, in the case that the given physical development has been experienced and is otherwise identical to alt1.</p> <p>For variables fr59-61 it was clearly once again the case that in the process of working on the database the coding 99 for “not yet experienced” was recoded as missing. Using memer, stier and waxer the difference between 99 and missings was reconstructed.</p>			
Physical rate of development	fr59-fr61	mener	Start of period experienced 0= not experienced 1=experienced
		survmen	In case experienced, corresponds to survmen = fr59 otherwise survmen=alt1
		meno	Trichotomisation of fr59 Age stated 9-11 = 2 (early) Age stated 12/13=1 (average) Age stated 14-16 =0 (late)
		stier	Voice break experienced 0= not experienced 1=experienced
		survsti	In case experienced, corresponds to survsti = fr60 otherwise survsti=alt1
		stio	Trichotomisation of fr60 Age stated 9-12 = 2 (early) Age stated 13/14=1 (average) Age stated 15-18 =0 (late)
		waxer	Growth spurt experienced 0= not experienced 1=experienced
		survwax	In case experienced, corresponds to survwax = fr61 otherwise survwax =alt1

		waxo	Trichotomisation of fr61 Age stated 9-11 = 2 (early) Age stated 12-14=1 (average) Age stated 15-17 =0 (late)
Relative rate of development	fr65-fr67	tim1112	Trichotomisation of fr65 whereby: fr65 =1,2 (much earlier, earlier) = 2 fr65 =3 (at the same time) = 1 fr65 =4,5 (later, much later) = 0
		tim1314	Trichotomisation of fr66 whereby: fr66 =1,2 (much earlier, earlier) = 2 fr66 =3 (at the same time) = 1 fr66 =4,5 (later, much later) = 0
		tim1516	Trichotomisation of fr67 whereby: fr67 =1,2 (much earlier, earlier) = 2 fr67 =3 (at the same time) = 1 fr67 =4,5 (later, much later) = 0
Age	fr70, fr71	alter1	Age: calculated using the function yrmoda from month of birth fr70 and year of birth fr71. Date of the survey was: 01.07.1991, birth date was 15 th of the given month. One year is calculated as having 365.25 days. In four cases date of birth was belatedly corrected due to longitudinal discrepancies. This involves pagination numbers: 604,1796, 2652, 2664, whereby discrepancies of one month (first 3 cases) and three months were found. Here alter1 was recalculated for each of the three cases.
		alt1	Represents the whole number component of alter1 Exception: 18 cases in which 12.5 year olds were recorded as 13 year olds.
		altgrup	Age groups: 13-16 year olds = 1 17-19 year olds = 2

<p>School education no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) were all coded 1 across all categorisations. Leaving certificate from class 10 (Polytechnikum; GDR) and Realschule (middle track; FRG) were coded 2. All qualifications of a higher level were coded 3. For participants with qualifications from both the former GDR and FRG codings were undertaken for the highest achieved qualification.</p>			
School education	fr75	bildbei1	Highest achieved school qualification, formed from fr75a1, fr75a3. Coding: bildbei1=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildbei1=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildbei1=3 given qualifications of a higher level
		bild_d1	bildbei1 dichotomised bild_d1=1 given bildbei1=1 bild_d1=2 given bildbei1= 2 or 3
		bildzie1	Aspired qualification, formed from fr75a2 and fr75a4 Coding: bildzie1=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildzie1=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildzie1=3 given qualifications of a higher level

		bildung1	Highest qualification when comparing attained and aspired (bildbei1 and bildzie1) bildung1=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschulabschluss (FRG) bildung1=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildung1=3 given qualifications of a higher level
		bild1	bildung1 dichotomised: bild1=1 given bildung1=1 bild1=2 given bildung1= 2 or 3
		kbildun1	Qualification aim corrected for age corresponds to bildung1 as long as the participant is (from fr72) under 22 years old (West) or 21 years old (East); otherwise kbuildun1 identical to bildbei1
		kbild1	kbildun1 dichotomised: kbild1=1 given kbuildun1=1 kbild1=2 given kbuildun1= 2 or 3 corresponds to bild1 as long as the participant is (from fr72) under 22 years old (West) or 21 years old (East); otherwise kbuild1 identical to bild_d1
		bildddr	Aspired qualification GDR Trichotomisation of fr75a2 1= certificate from class 8 and lower 2= certificate from class 10 3= higher education (A Levels)
		bildbrd	Aspired qualification FRG Trichotomisation of fr75a4 1= Hauptschule (lowest track) and lower 2= Realschule (middle track) 3= Access to college, technical college, university

Federal state	fr87	nation1	1=West 2=East Participants from Berlin spilt into East and West according to pagination number, since East-Germans all received pagination number above 5000
Age of parents	ah1	alterm1	Age of mother calculated using the function yrmoda from month of birth ah1a1 and year of birth ah1a2. Date of the survey was: 01.06.1992, birth date was 15 th of the given month. One year is calculated as having 365,25 days
		altm1	Represents the whole number component of alterm1
	ai1	alterv1	Age of father calculated using the function yrmoda from month of birth ai1a1 and year of birth ai1a2. Date of the survey was: 01.06.1992, birth date was 15 th of the given month. One year is calculated as having 365,25 days
		altv1	Represents the whole number component of alterv1

2nd Wave 1993

Age	bg1	alter2	Age: calculated using the function yrmoda from month of birth bg1a1 and year of birth bg1a2. Assumptions: birth date was 15 th of the given month, date of the survey was: 01.09.1993, one year is calculated as having 365,25 days.
		alt2	Represents the whole number component of alter2
Number of siblings	bg3	geschw2	Combines the number of siblings bg3a1 / the statement of no siblings bg3a2 to number between 0 and 6
<p>School education no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) were all coded 1 across all categorisations. Leaving certificate from class 10 (Polytechnikum; GDR) and Realschule (middle track; FRG) were coded 2. All qualifications of a higher level were coded 3. For participants with qualifications from both the former GDR and FRG codings were undertaken for the highest achieved qualification.</p>			

School education	bg58	bildbei2	<p>Highest achieved school qualification, wave 2, trichotomised: bildbei2=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildbei2=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildbei2=3 given all other answer categories from bg58a1/bg58a2 Information concerning whether participant was still at school came from bg55</p>
		bild_d2	<p>bildbei2 dichotomised bild_d2=1 given bildbei2=1 bild_d2=2 given bildbei2= 2 or 3</p>
		bildzie2	<p>Aspired qualification, formed from bg58a2 Coding: bildzie2=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildzie2=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildzie2=3 given qualifications of a higher level</p>

		bildung2	Highest qualification when comparing attained and aspired (bildbei2 and bildzie2) bildung2=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildung2=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildung2=3 given qualifications of a higher level
		bild2	bildung2 dichotomised: bild2=1 given bildung2=1 bild2=2 given bildung2= 2 or 3
		kbildun2	Qualification aim corrected for age corresponds to bildung2 as long as the participant is under 22 years old (West) or 21 years old (East); otherwise kbuildun2 identical to bildbei2
		kbild2	kbildun2 dichotomised: kbild2=1 given kbuildun2=1 kbild2=2 given kbuildun2= 2 or 3 corresponds to bild2 as long as the participant is under 22 years old (West) or 21 years old (East); otherwise kbild2 identical to bild_d2
Sex	bg86	sex2	Variable renamed sex2
Federal state	bg89	nation2	East-West-Indicator: using bg89a1/bg89a2. Participants from Berlin were split into East and West using old post-codes.
Age of mother	bh20	alterm2	Age of mother calculated using the function yrmoda from month of birth bh20a1 and year of birth bh20a2. Assumptions: birth date was 15 th of the given month, date of the survey was: 01.09.1993, one year is calculated as having 365,25 days

		altm2	Variable altm2 represents the whole number component of alterm2
Age of father	bi17	alterv2	Age of father calculated using the function yrmoda from month of birth bi17a1 and year of birth bi17a2. Assumptions: birth date was 15 th of the given month, date of the survey was: 01.09.1993, one year is calculated as having 365,25 days
		altv2	Variable altv2 represents the whole number component of alterv2
Age according to parental statements	bj3;bj4	age2	According to what number child according to the statement in bj3 was the surveyed adolescent, the corresponding age was carried over from bj4a1-6 into the new variable age2

3rd Wave 1995/6

Age	cg1;cg84	alter3	Age of participant: calculated using the function yrmoda from month of birth cga1, year of birth cga2 and date of survey: day cg84a1, month cg84a2 and year cg84a3. Assumptions: birth date was 15 th of the given month. One year is calculated as having 365,25 days. In 24 cases it is only known that the survey took place before April 1996, in these cases the date of survey was fixed as: 07.12.1995.
		alt3	Represents the whole number component of alter3
<p>School education no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) were all coded 1 across all categorisations. Leaving certificate from class 10 (Polytechnikum; GDR) and Realschule (middle track; FRG) were coded 2. All qualifications of a higher level were coded 3. For participants with qualifications from both the former GDR and FRG codings were undertaken for the highest achieved qualification.</p>			

School education	cg52	bildbei3	<p>Highest achieved school qualification, wave 3, trichotomised: bildbei3=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildbei3=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildbei3=3 given all other answer categories from cg52a1/cg52a2 Information concerning whether participant was still at school came from cg49</p>
		bild_d3	<p>bildbei3 dichotomised bild_d3=1 given bildbei3=1 bild_d3=2 given bildbei3= 2 or 3</p>
		bildzie3	<p>Aspired qualification, formed from cg52a2 Coding: bildzie3=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildzie3=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildzie3=3 given qualifications of a higher level</p>

		bildung3	Highest qualification when comparing attained and aspired (bildbei3 and bildzie3) bildung3=1 given no qualification as of yet, leaving certificate from class 8 (GDR), no qualification and Hauptschule (lowest track; FRG) bildung3=2 given leaving certificate from class 10 (Polytechnikum;GDR) and Realschule (middle track; FRG) bildung3=3 given qualifications of a higher level
		bild3	bildung3 dichotomised: bild3=1 given bildung3=1 bild3=2 given bildung3= 2 or 3
		kbildun3	Qualification aim corrected for age corresponds to bildung3 as long as the participant is under 22 years old (West) or 21 years old (East); otherwise kbuildun3 identical to bildbei3
		kbild3	kbildun3 dichotomised: kbild3=1 given kbuildun3=1 kbild3=2 given kbuildun3= 2 or 3 corresponds to bild3 as long as the participant is under 22 years old (West) or 21 years old (East); otherwise kbuild3 identical to bild_d3
Sex	cg77	sex3	copy of cg77
Federal state	cg79	nation3	East-West-Indicator: using cg79. Participants from Berlin additional cg81=post-codes

Age of mother	ch16;cg84	alterm3	Age of mother calculated using the function yrmoda from month of birth ch16a1 and year of birth ch16a2 as well as date of survey for adolescent (estimated from day cg84a1, month cg84a2 and year cg84a3). Assumptions: birth date was 15 th of the given month. One year is calculated as having 365,25 days. In 24 cases it is only known that the survey took place before April 1996, in these cases the date of survey was fixed as: 07.12.1995.
		altm3	Variable altm3 represents the whole number component of alterm3
Age of father	ci16;cg84	alterv3	Age of father calculated using the function yrmoda from month of birth ci16a1 and year of birth ci16a2 as well as date of survey for adolescent (estimated from day cg84a1, month cg84a2 and year cg84a3). Assumptions: birth date was 15 th of the given month. One year is calculated as having 365,25 days. In 24 cases it is only known that the survey took place before April 1996, in these cases the date of survey was fixed as: 07.12.1995.
		altv3	Variable altv3 represents the whole number component of alterv3