



## BHP Additional Variables

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**Please note the indications on further data documentations and how to apply for the data at the end of every respective dataset chapter.**

## ALWA-ADIAB - ALWA survey data linked to administrative data of the IAB

Establishment variables from **BHP 1975-2008** are available for ALWA-ADIAB.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (`betnr`)
  - Year (`jahr`)
  - Classification of Economic Activities 1973, 3-digit code (`w73_3`)
  - Classification of Economic Activities 1993, 3-digit code (`w93_3`)
  - Classification of Economic Activities 2003, 3-digit code (`w03_3`)
  - Classification of Economic Activities 2008, 3-digit code (`w08_3`)
  - Year of first appearance (`grd_jahr`)
  - Year of last appearance (`lzt_jahr`)
  - Total number of employees (`az_ges`)
  - Total number of full-time employees (`az_ges_vz`)
  - Number of marginal part-time workers (`az_gf`)
  - Wage median (gross average daily wage) for all full-time employees (`te_med`)
  - Place of work: federal state (Bundesland) (`ao_bula`)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  
2. Additionally, following **sensitive variables** from the BHP can be required **individually**<sup>1</sup>:
  - Classification of Economic Activities 1993, 5-digit code (`w93_5`)
  - Classification of Economic Activities 2003, 5-digit code (`w03_5`)
  - Classification of Economic Activities 2008, 5-digit code (`w08_5`)
  - Date of first appearance (`grd_dat`)
  - Date of last appearance (`lzt_dat`)
  - Place of work: district code (`ao_kreis`)
  
3. Further following **variable blocks** from the BHP can be required:
  - General employment structure (`az_ges az_ges_vz az_f az_f_vz az_d az_d_vz az_hpt az_te0`)
  - Structure of employees by educational and vocational qualifications (`az_gq az_gq_vz az_mq az_mq_vz az_hq az_hq_vz az_uq az_uq_vz az_uq_ub az_uq_ub_vz`)
  - Structure of employees by occupational status (`az_az_stib az_nfa az_fa az_mp az_ang az_hh az_ktz az_gtz`)
  - Structure of employees by person group (`az_az_pers az_gf`)

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<sup>1</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.

- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Employee age structure (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_p25 alter\_p25\_vz alter\_med alter\_med\_vz alter\_p75 alter\_p75\_vz)
- Research and development activities (az\_ingnat)
- Wage structure of full-time employees (te\_p25 te\_med te\_p75 te\_p25\_f te\_med\_f te\_p75\_f te\_p25\_d te\_med\_d te\_p75\_d te\_p25\_a te\_med\_a te\_p75\_a te\_p25\_gq te\_med\_gq te\_p75\_gq te\_p25\_mq te\_med\_mq te\_p75\_mq te\_p25\_hq te\_med\_hq te\_p75\_hq te\_p25\_uq te\_med\_uq te\_p75\_uq)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 4/2010](#).

## IAB Establishment Panel

The **BHP 1992-2017**<sup>2</sup> can be required in addition to the IAB establishment panel. All of the following variables and variable groups are provided:

1. Basic variables:
  - Artificial establishment number (idnum)
  - Year (jahr)
  - Year of first appearance (grd\_jahr)
  - Year of last appearance (lzt\_jahr)
  - Total number of employees (az\_ges)
  - Total number of full-time employees (az\_ges\_vz)
  - Number of marginal part-time workers (az\_gf)
  - Mean imputed wage (gross average daily wage) for all full-time employees (te\_imp\_mw)
  
2. Thematic variable blocks:
  - General employment structure (az\_ges az\_f az\_reg az\_gf az\_azubi az\_atz az\_vz az\_tz az\_f\_vz az\_f\_tz az\_reg\_vz)
  - Structure of employees by educational and vocational qualifications (az\_gq az\_mq az\_hq az\_gq\_vz az\_mq\_vz az\_hq\_vz)
  - Employee age structure (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_mw alter\_mw\_vz)
  - Research and development activities (az\_ingnat)
  - Number of employees with non-standard job types (az\_leih az\_bfr)
  - Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
  - Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
  - Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
  - Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)
  - Extension file – Worker flows (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bg\_edi ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz)

<sup>2</sup> Please keep in mind that information from the administrative data can differ from the survey data of the IAB establishment panel.



aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_15\_19  
aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49  
aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2  
aus\_senio\_3)

- Extension file – Entry and exit (eintritt besch inflow betnr\_vor besch\_vor  
status\_vor austritt besch outflow betnr\_nach besch\_nach status\_nach)

3. Additionally, the following **sensitive variables** from the BHP can be requested **individually**:

- Time-consistent industry codes (3-digit) (w08\_3\_gen)

**Please explain why access to the BHP or to each single sensitive variable, respectively, is required for conducting the research project.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 9/2018](#).

## IAB Job Vacancy Survey

The **BHP 1992-2016**<sup>3</sup> can be required in addition to the IAB Job Vacancy Survey starting in the fourth quarter of 2010. **All** of the following variables and variable groups are provided:

### 1. Basic variables:

- Serial Number (*key*)
- Wave of the IAB Job Vacancy Survey (*SE\_jahr*)
- Year (*jahr*)
- Year of first appearance (*grd\_jahr*)
- Year of last appearance (*lzt\_jahr*)
- Place of work: federal state (Bundesland) (*ao\_bula*)
- Total number of employees (*az\_ges*)
- Total number of full-time employees (*az\_ges\_vz*)
- Number of marginal part-time workers (*az\_gf*)
- Mean imputed wage (gross average daily wage) for all full-time employees (*te\_imp\_mw*)

### 2. Thematic variable blocks:

- General employment structure (*az\_ges az\_f az\_reg az\_gf az\_azubi az\_atz az\_vz az\_tz az\_f\_vz az\_f\_tz az\_reg\_vz*)
- Structure of employees by educational and vocational qualifications (*az\_gq az\_mq az\_hq az\_gq\_vz az\_mq\_vz az\_hq\_vz*)
- Employee age structure (*az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_mw alter\_mw\_vz*)
- Research and development activities (*az\_ingnat*)
- Number of employees with non-standard job types (*az\_leih az\_bfr*)
- Structure of employees by nationality (*az\_d az\_d\_vz az\_eu*)
- Structure of employees by Blossfeld occupational group (*az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man*)
- Structure of employees by level of requirement (*az\_niv1 az\_niv2 az\_niv3 az\_niv4*)
- Wage structure of full-time employees (*az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a*)
- Extension file – Worker flows (*ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bg\_edi ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34*)

<sup>3</sup> Please keep in mind that information from the administrative data can differ from the survey data of the IAB Job Vacancy Survey.

ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64  
ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz  
aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_15\_19  
aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49  
aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2  
aus\_senio\_3)

- **Extension file – Entry and exit** (eintritt besch inflow betnr\_vor besch\_vor status\_vor austritt besch outflow betnr\_nach besch\_nach status\_nach)

3. Additionally, the following **sensitive variables** from the BHP can be requested **individually**:

- Place of work: district code (ao\_kreis)
- Classification of Economic Activities 1973, 3-digit code (w73\_3)
- Classification of Economic Activities 1993, 3-digit code (w93\_3)
- Classification of Economic Activities 1993, 5-digit code (w93\_5)
- Classification of Economic Activities 2003, 3-digit code (w03\_3)
- Classification of Economic Activities 2003, 5-digit code (w03\_5)
- Classification of Economic Activities 2008, 3-digit code (w08\_3)
- Classification of Economic Activities 2008, 5-digit code (w08\_5)
- Time-consistent industry codes, 3-digit (w73\_3\_gen, w93\_3\_gen, w08\_3\_gen)

**Please explain why access to the BHP or to each single sensitive variable, respectively, is required for conducting the research project.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 01/2018](#).

## INV-BIO ADIAB 8014 - Linked Inventor Biography Data

Establishment variables from **BHP 1980-2014** are available for the INV-BIO ADIAB 8014.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (`betnr`)
  - Year (`jahr`)
  - Place of work: federal state / NUTS 1 (Bundesland) (`ao_bula`)
  - German Classification of Economic Activities WS 1973, 2-digit code (`w73_2`)
  - NACE Rev. 1 / Classification of Economic Activities WZ 1993, 2-digit code (`w93_2`)
  - NACE Rev. 1.1 / Classification of Economic Activities WZ 2003, 2-digit code (`w03_2`)
  - NACE Rev. 2 / Classification of Economic Activities WZ 2008, 2-digit code (`w08_2`)
  - Time-consistent industry codes (2-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  - Year of first appearance (`grd_jahr`)
  - Year of last appearance (`lzt_jahr`)
  - Total number of employees (`az_ges`)
  - Total number of full-time employees (regular employees + others) (`az_vz`)
  - Number of marginal part-time workers (`az_gf`)
  - Mean imputed wage (gross average daily wage) for all full-time employees (`te_imp_mw`)
  
2. Additionally, following **sensitive variables** from the BHP can be requested **individually**<sup>4</sup>:
  - Place of work: district code / NUTS 3 (Landkreise und kreisfreie Städte) (`ao_kreis`)
  - German Classification of Economic Activities WS 1973, 3-digit code (`w73_3`)
  - NACE Rev. 1 / Classification of Economic Activities WZ 1993, 3-digit code (`w93_3`)
  - NACE Rev. 1.1 / Classification of Economic Activities WZ 2003, 3-digit code (`w03_3`)
  - NACE Rev. 2 / Classification of Economic Activities WZ 2008, 3-digit code (`w08_3`)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  
3. Further following **variable blocks** from the BHP can be requested:
  - General employment structure (`az_ges az_f az_reg az_gf az_azubi az_atz az_vz az_tz az_f_vz az_f_tz az_reg_vz`)
  - Structure of employees by educational and vocational qualifications (`az_gq az_mq az_hq az_gq_vz az_mq_vz az_hq_vz`)
  - Employee age structure (`az_15_19 az_15_19_vz az_20_24 az_20_24_vz az_25_29 az_25_29_vz az_30_34 az_30_34_vz az_35_39 az_35_39_vz az_40_44 az_40_44_vz az_45_49 az_45_49_vz az_50_54 az_50_54_vz`)

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<sup>4</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.



az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz  
alter\_mw alter\_mw\_vz)

- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)

4. Beyond that following **extension files** of the BHP can be requested:

- Extension file – Worker flows (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bf\_agr ein\_bf\_emb ein\_bg\_edi ein\_bf\_evb ein\_bf\_qmb az\_bf\_qdi ein\_bf\_qvb ein\_bf\_tec ein\_bf\_semi ein\_bf\_ing ein\_bf\_prof ein\_bf\_man ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_bf\_agr aus\_bf\_emb aus\_bf\_edi aus\_bf\_evb aus\_bf\_qmb aus\_bf\_qdi aus\_bf\_qvb aus\_bf\_tec aus\_bf\_semi aus\_bf\_ing aus\_bf\_prof aus\_bf\_man aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- Extension file – Entry and exit (eintritt besch inflow betnr\_vor besch\_vor status\_vor austrittbesch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 03/2018](#).

## LIAB LM 7517 - Linked Employer-Employee Data from the IAB longitudinal model

## LIAB QM 2 9317 - Linked Employer-Employee Data from the IAB cross-sectional model

Establishment variables from **BHP 1993-2017** are available for LIAB LM 7517. Establishment variables from **BHP 1993-2017** are available for LIAB QM 2 9317.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (*betnr*)
  - Year (*jahr*)
  - Place of work: federal state (Bundesland) (*ao\_bula*)
  - Classification of Economic Activities 1973, 3-digit code (*w73\_3*)
  - Classification of Economic Activities 1993, 3-digit code (*w93\_3*)
  - Classification of Economic Activities 2003, 3-digit code (*w03\_3*)
  - Classification of Economic Activities 2008, 3-digit code (*w08\_3*)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  - Year of first appearance (*grd\_jahr*)
  - Year of last appearance (*lzt\_jahr*)
  - Total number of employees (*az\_ges*)
  - Total number of full-time employees (regular employees + others) (*az\_vz*)
  - Number of marginal part-time workers (*az\_gf*)
  - Mean imputed wage (gross average daily wage) for all full-time employees (*te\_imp\_mw*)
  
2. Additionally, following **sensitive variables** from the BHP can be requested **individually**<sup>5</sup>:
  - Date of first appearance (*grd\_dat*)
  - Date of last appearance (*lzt\_dat*)
  - Place of work: district code (*ao\_kreis*)
  - Classification of Economic Activities 1993, 5-digit code (*w93\_5*)
  - Classification of Economic Activities 2003, 5-digit code (*w03\_5*)
  - Classification of Economic Activities 2008, 5-digit code (*w08\_5*)
  
3. Further following **variable blocks** from the BHP can be requested:

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<sup>5</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.

- General employment structure (az\_ges az\_f az\_reg az\_gf az\_azubi az\_atz az\_vz az\_tz az\_f\_vz az\_f\_tz az\_reg\_vz)
- Structure of employees by educational and vocational qualifications (az\_gq az\_mq az\_hq az\_gq\_vz az\_mq\_vz az\_hq\_vz)
- Employee age structure (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_mw alter\_mw\_vz)
- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)

4. Beyond that following **extension files** of the BHP can be requested:

- Extension file – Worker flows (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bf\_agr ein\_bf\_emb ein\_bg\_edi ein\_bf\_evb ein\_bf\_qmb az\_bf\_qdi ein\_bf\_qvb ein\_bf\_tec ein\_bf\_semi ein\_bf\_ing ein\_bf\_prof ein\_bf\_man ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_bf\_agr aus\_bf\_emb aus\_bf\_edi aus\_bf\_evb aus\_bf\_qmb aus\_bf\_qdi aus\_bf\_qvb aus\_bf\_tec aus\_bf\_semi aus\_bf\_ing aus\_bf\_prof aus\_bf\_man aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- Extension file – Entry and exit (eintritt besch inflow betnr\_vor besch\_vor status\_vor austritt\_besch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 03/2016](#).

## LIAB MM 9308 - Linked Employer-Employee Data from the IAB mover model

Establishment variables from **BHP 1975-2008** are available for LIAB MM 9308.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (*betnr*)
  - Year (*jahr*)
  - Classification of Economic Activities 1973, 3-digit code (*w73\_3*)
  - Classification of Economic Activities 1993, 3-digit code (*w93\_3*)
  - Classification of Economic Activities 2003, 3-digit code (*w03\_3*)
  - Classification of Economic Activities 2008, 3-digit code (*w08\_3*)
  - Year of first appearance (*grd\_jahr*)
  - Year of last appearance (*lzt\_jahr*)
  - Total number of employees (*az\_ges*)
  - Total number of full-time employees (*az\_ges\_vz*)
  - Number of marginal part-time workers (*az\_gf*)
  - Wage median (gross average daily wage) for all full-time employees (*te\_med*)
  - Place of work: federal state (Bundesland) (*ao\_bula*)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  
2. Additionally, following **sensitive variables** from the BHP can be required **individually**<sup>6</sup>:
  - Classification of Economic Activities 1993, 5-digit code (*w93\_5*)
  - Classification of Economic Activities 2003, 5-digit code (*w03\_5*)
  - Classification of Economic Activities 2008, 5-digit code (*w08\_5*)
  - Date of first appearance (*grd\_dat*)
  - Date of last appearance (*lzt\_dat*)
  - Place of work: district code (*ao\_kreis*)
  
3. Further following **variable blocks** from the BHP can be required:
  - General employment structure (*az\_ges az\_ges\_vz az\_f az\_f\_vz az\_d az\_d\_vz az\_hpt az\_te0*)
  - Structure of employees by educational and vocational qualifications (*az\_gq az\_gq\_vz az\_mq az\_mq\_vz az\_hq az\_hq\_vz az\_uq az\_uq\_vz az\_uq\_ub az\_uq\_ub\_vz*)

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<sup>6</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.

- Structure of employees by occupational status (az\_az\_stib az\_nfa az\_fa az\_mp az\_ang az\_hh az\_ktz az\_gtz)
- Structure of employees by person group (az\_az\_pers az\_gf)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Employee age structure (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_p25 alter\_p25\_vz alter\_med alter\_med\_vz alter\_p75 alter\_p75\_vz)
- Research and development activities (az\_ingnat)
- Wage structure of full-time employees (te\_p25 te\_med te\_p75 te\_p25\_f te\_med\_f te\_p75\_f te\_p25\_d te\_med\_d te\_p75\_d te\_p25\_a te\_med\_a te\_p75\_a te\_p25\_gq te\_med\_gq te\_p75\_gq te\_p25\_mq te\_med\_mq te\_p75\_mq te\_p25\_hq te\_med\_hq te\_p75\_hq te\_p25\_uq te\_med\_uq te\_p75\_uq)

4. Beyond that following **extension files** of the BHP can be required:

- Extension file – Worker Flows (ein\_1 ein\_1\_f ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_vz ein\_vz\_f ein\_ktz ein\_ktz\_f ein\_gtz ein\_gtz\_f ein\_gf ein\_azubi\_stib ein\_nfa ein\_fa ein\_mp ein\_ang ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_1 aus\_1\_f aus\_temp aus\_temp\_f aus\_bw aus\_bw\_f aus\_vz aus\_vz\_f aus\_ktz aus\_ktz\_f aus\_gtz aus\_gtz\_f aus\_gf aus\_azubi\_stib aus\_nfa aus\_fa aus\_mp aus\_ang aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- Extension file – Establishment History (eintritt besch betnr\_vor besch\_vor status\_vor inflow austritt besch betnr\_nach besch\_nach status\_nach outflow)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 4/2010](#).

## LPP-ADIAB

The **BHP 2010-2014**<sup>7</sup> can be required in addition to the LPP-ADIAB. All of the following variables and variable groups are provided:

### 1. Basic variables:

- Artificial establishment number (idnum)
- Year (jahr)
- Year of first appearance (grd\_jahr)
- Year of last appearance (lzt\_jahr)
- Total number of employees (az\_ges)
- Total number of full-time employees (az\_ges\_vz)
- Number of marginal part-time workers (az\_gf)
- Mean imputed wage (gross average daily wage) for all full-time employees (te\_imp\_mw)

### 2. Thematic variable blocks:

- General employment structure (az\_ges az\_f az\_reg az\_gf az\_azubi az\_atz az\_vz az\_tz az\_f\_vz az\_f\_tz az\_reg\_vz)
- Structure of employees by educational and vocational qualifications (az\_gq az\_mq az\_hq az\_gq\_vz az\_mq\_vz az\_hq\_vz)
- Employee age structure (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_mw alter\_mw\_vz)
- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)
- Extension file – Worker flows (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bg\_edi ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_15\_19)

<sup>7</sup> Please keep in mind that information from the administrative data can differ from the survey data of the IAB establishment panel.

aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49  
aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2  
aus\_senio\_3)

- **Extension file – Entry and exit** (eintritt besch inflow betnr\_vor besch\_vor status\_vor austrittbesch outflow betnr\_nach besch\_nach status\_nach)

3. Additionally, the following **sensitive variables** from the BHP can be requested **individually**:

- Time-consistent industry codes (3-digit) (w08\_3\_gen)
- Date of first appearance (grd\_dat)
- Date of last appearance (lzt\_dat)
- Place of work: district code (ao\_kreis)
- Classification of Economic Activities 1993, 5-digit code (w93\_5)
- Classification of Economic Activities 2003, 5-digit code (w03\_5)
- Classification of Economic Activities 2008, 5-digit code (w08\_5)

**Please explain why access to the BHP or to each single sensitive variable, respectively, is required for conducting the research project.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 03/2016](#).

## PASS-ADIAB - PASS survey data linked to administrative data of the IAB (version 7515)

Establishment variables from **BHP 1975-2014** are available for PASS-ADIAB.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (`betnr`)
  - Year (`jahr`)
  - Place of work: federal state (Bundesland) (`ao_bula`)
  - Classification of Economic Activities 1973, 3-digit code (`w73_3`)
  - Classification of Economic Activities 1993, 3-digit code (`w93_3`)
  - Classification of Economic Activities 2003, 3-digit code (`w03_3`)
  - Classification of Economic Activities 2008, 3-digit code (`w08_3`)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  - Year of first appearance (`grd_jahr`)
  - Year of last appearance (`lzt_jahr`)
  - Total number of employees (`az_ges`)
  - Total number of full-time employees (regular employees + others) (`az_vz`)
  - Number of marginal part-time workers (`az_gf`)
  - Mean imputed wage (gross average daily wage) for all full-time employees (`te_imp_mw`)
  
2. Additionally, following **sensitive variables** from the BHP can be requested **individually**<sup>8</sup>:
  - Date of first appearance (`grd_dat`)
  - Date of last appearance (`lzt_dat`)
  - Place of work: district code (`ao_kreis`)
  - Classification of Economic Activities 1993, 5-digit code (`w93_5`)
  - Classification of Economic Activities 2003, 5-digit code (`w03_5`)
  - Classification of Economic Activities 2008, 5-digit code (`w08_5`)
  
3. Further following **variable blocks** from the BHP can be requested:
  - General employment structure (`az_ges az_f az_reg az_gf az_azubi az_atz az_vz az_tz az_f_vz az_f_tz az_reg_vz`)

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<sup>8</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.



- Structure of employees by educational and vocational qualifications (az\_gq az\_mq az\_hq az\_gq\_vz az\_mq\_vz az\_hq\_vz)
- Employee age structure (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_mw alter\_mw\_vz)
- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)

4. Beyond that following **extension files** of the BHP can be requested:

- Extension file – Worker flows (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bf\_agr ein\_bf\_emb ein\_bg\_edi ein\_bf\_evb ein\_bf\_qmb az\_bf\_qdi ein\_bf\_qvb ein\_bf\_tec ein\_bf\_semi ein\_bf\_ing ein\_bf\_prof ein\_bf\_man ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_bf\_agr aus\_bf\_emb aus\_bf\_edi aus\_bf\_evb aus\_bf\_qmb aus\_bf\_qdi aus\_bf\_qvb aus\_bf\_tec aus\_bf\_semi aus\_bf\_ing aus\_bf\_prof aus\_bf\_man aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- Extension file – Entry and exit (eintritt besch inflow betnr\_vor besch\_vor status\_vor austritt besch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 03/2016](#).

## SIAB 7517 - Sample of Integrated Labour Market Biographies

Establishment variables from **BHP 1975-2017** are available for SIAB 7517.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (*betnr*)
  - Year (*jahr*)
  - Place of work: federal state (Bundesland) (*ao\_bula*)
  - Classification of Economic Activities 1973, 3-digit code (*w73\_3*)
  - Classification of Economic Activities 1993, 3-digit code (*w93\_3*)
  - Classification of Economic Activities 2003, 3-digit code (*w03\_3*)
  - Classification of Economic Activities 2008, 3-digit code (*w08\_3*)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  - Year of first appearance (*grd\_jahr*)
  - Year of last appearance (*lzt\_jahr*)
  - Total number of employees (*az\_ges*)
  - Total number of full-time employees (regular employees + others) (*az\_vz*)
  - Number of marginal part-time workers (*az\_gf*)
  - Mean imputed wage (gross average daily wage) for all full-time employees (*te\_imp\_mw*)
  
2. Additionally, following **sensitive variables** from the BHP can be requested **individually**<sup>9</sup>:
  - Date of first appearance (*grd\_dat*)
  - Date of last appearance (*lzt\_dat*)
  - Place of work: district code (*ao\_kreis*)
  - Classification of Economic Activities 1993, 5-digit code (*w93\_5*)
  - Classification of Economic Activities 2003, 5-digit code (*w03\_5*)
  - Classification of Economic Activities 2008, 5-digit code (*w08\_5*)
  
3. Further following **variable blocks** from the BHP can be requested:
  - General employment structure (*az\_ges az\_f az\_reg az\_gf az\_azubi az\_atz az\_vz az\_tz az\_f\_vz az\_f\_tz az\_reg\_vz*)
  - Structure of employees by educational and vocational qualifications (*az\_gq az\_mq az\_hq az\_gq\_vz az\_mq\_vz az\_hq\_vz*)
  - Employee age structure (*az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_mw alter\_mw\_vz*)

<sup>9</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it

- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)

4. Beyond that following **extension files** of the BHP can be requested:

- **Extension file – Worker flows** (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bf\_agr ein\_bf\_emb ein\_bg\_edi ein\_bf\_evb ein\_bf\_qmb az\_bf\_qdi ein\_bf\_qvb ein\_bf\_tec ein\_bf\_semi ein\_bf\_ing ein\_bf\_prof ein\_bf\_man ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_bf\_agr aus\_bf\_emb aus\_bf\_edi aus\_bf\_evb aus\_bf\_qmb aus\_bf\_qdi aus\_bf\_qvb aus\_bf\_tec aus\_bf\_semi aus\_bf\_ing aus\_bf\_prof aus\_bf\_man aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- **Extension file – Entry and exit** (eintritt besch inflow betnr\_vor besch\_vor status\_vor austritt\_besch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 02/2019](#).

## WeLL-ADIAB - WeLL survey data linked to administrative data of the IAB (version 7512)

Establishment variables from **BHP 1975-2010** are available for WeLL-ADIAB.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (`betnr`)
  - Year (`jahr`)
  - Classification of Economic Activities 1973, 3-digit code (`w73_3`)
  - Classification of Economic Activities 1993, 3-digit code (`w93_3`)
  - Classification of Economic Activities 2003, 3-digit code (`w03_3`)
  - Classification of Economic Activities 2008, 3-digit code (`w08_3`)
  - Year of first appearance (`grd_jahr`)
  - Year of last appearance (`lzt_jahr`)
  - Total number of employees (`az_ges`)
  - Total number of full-time employees (`az_ges_vz`)
  - Number of marginal part-time workers (`az_gf`)
  - Wage median (gross average daily wage) for all full-time employees (`te_med`)
  - Place of work: federal state (Bundesland) (`ao_bula`)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  
2. Additionally, following **sensitive variables** from the BHP can be required **individually**<sup>10</sup>:
  - Classification of Economic Activities 1993, 5-digit code (`w93_5`)
  - Classification of Economic Activities 2003, 5-digit code (`w03_5`)
  - Classification of Economic Activities 2008, 5-digit code (`w08_5`)
  - Date of first appearance (`grd_dat`)
  - Date of last appearance (`lzt_dat`)
  - Place of work: district code (`ao_kreis`)
  
3. Further following **variable blocks** from the BHP can be required:
  - General employment structure (`az_f az_f_vz az_d az_d_vz az_hpt az_te0`)
  - Structure of employees by educational and vocational qualifications (`az_gq az_gq_vz az_mq az_mq_vz az_hq az_hq_vz az_uq az_uq_vz az_uq_ub az_uq_ub_vz`)
  - Structure of employees by occupational status (`az_az_stib az_nfa az_fa az_mp az_ang az_hh az_ktz az_gtz`)
  - Structure of employees by person group (`az_az_pers`)

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<sup>10</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it

- **Structure of employees by Blossfeld occupational group** (az\_bfAgr az\_bfEmb az\_bfEdi az\_bfEVB az\_bfQmb az\_bfQdi az\_bfQvb az\_bfTec az\_bfSemi az\_bfIng az\_bfProf az\_bfMan)
- **Employee age structure** (az\_15\_19 az\_15\_19\_vz az\_20\_24 az\_20\_24\_vz az\_25\_29 az\_25\_29\_vz az\_30\_34 az\_30\_34\_vz az\_35\_39 az\_35\_39\_vz az\_40\_44 az\_40\_44\_vz az\_45\_49 az\_45\_49\_vz az\_50\_54 az\_50\_54\_vz az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz alter\_p25 alter\_p25\_vz alter\_med alter\_med\_vz alter\_p75 alter\_p75\_vz)
- **Research and development activities** (az\_ingnat)
- **Structure of employees by nationality** (az\_d az\_d\_vz az\_eur\_eu az\_eur\_ne az\_nat\_gr az\_nat\_it az\_nat\_sp az\_nat\_tk az\_nat\_ju az\_nat\_pl az\_nat\_ro az\_nat\_cs az\_nat\_ru az\_nat\_us az\_nat\_as az\_nat\_am az\_nat\_af)
- **Wage structure of full-time employees** (te\_p25 te\_p75 te\_p25\_f te\_med\_f te\_p75\_f te\_p25\_d te\_med\_d te\_p75\_d te\_p25\_a te\_med\_a te\_p75\_a te\_p25\_gq te\_med\_gq te\_p75\_gq te\_p25\_mq te\_med\_mq te\_p75\_mq te\_p25\_hq te\_med\_hq te\_p75\_hq te\_p25\_uq te\_med\_uq te\_p75\_uq)

#### 4. Beyond that following **extension files** of the BHP can be required:

- **Extension file – Worker flows**
  - **Inflows, general** (ein\_1 ein\_1\_f ein\_vz ein\_vz\_f ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f)
  - **Inflows by occupational status** (ein\_azubi\_stib ein\_nfa ein\_fa ein\_mp ein\_ang ein\_ktz ein\_ktz\_f ein\_gtz ein\_gtz\_f ein\_gf)
  - **Inflows of employees by Blossfeld occupational group** (ein\_bfAgr ein\_bfEmb ein\_bfEdi ein\_bfEVB ein\_bfQmb ein\_bfQdi ein\_bfQvb ein\_bfTec ein\_bfSemi ein\_bfIng ein\_bfProf ein\_bfMan)
  - **Inflows by age class** (ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65)
  - **Inflows by nationality** (ein\_eur\_eu ein\_eur\_ne ein\_nat\_gr ein\_nat\_it ein\_nat\_sp ein\_nat\_tk ein\_nat\_ju ein\_nat\_pl ein\_nat\_ro ein\_nat\_cs ein\_nat\_ru ein\_nat\_us ein\_nat\_as ein\_nat\_am ein\_nat\_af)
  - **Outflows, general** (aus\_1 aus\_1\_f aus\_vz aus\_vz\_f aus\_temp aus\_temp\_f aus\_bw aus\_bw\_f)
  - **Outflows by occupational status** (aus\_azubi\_stib aus\_nfa aus\_fa aus\_mp aus\_ang aus\_ktz aus\_ktz\_f aus\_gtz aus\_gtz\_f aus\_gf)
  - **Outflows of employees by Blossfeld occupational group** (aus\_bfAgr aus\_bfEmb aus\_bfEdi aus\_bfEVB aus\_bfQmb aus\_bfQdi aus\_bfQvb aus\_bfTec aus\_bfSemi aus\_bfIng aus\_bfProf aus\_bfMan)
  - **Outflows by age class** (aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65)
  - **Job tenure** (aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)



- Outflows by nationality (aus\_eur\_eu aus\_eur\_ne aus\_nat\_gr aus\_nat\_it aus\_nat\_sp aus\_nat\_tk aus\_nat\_ju aus\_nat\_pl aus\_nat\_ro aus\_nat\_cs aus\_nat\_ru aus\_nat\_us aus\_nat\_as aus\_nat\_am aus\_nat\_af)
- Extension file – Entry and exit
  - Type of entry (eintritt)
  - Generated technical auxiliary variables, entry (besch inflow betnr\_vor besch\_vor status\_vor)
  - Type of exit (austritt)
  - Generated technical auxiliary variables, exit (besch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 4/2012](#).

## IAB-SOEP-MIG-ADIAB 7514 (V1) (IAB-SOEP-Migration Sample linked to administrative data of the IAB 7514, version 1)

Establishment variables from **BHP 1975-2014** are available for IAB-SOEP-MIG-ADIAB 7514.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (`betnr`)
  - Year (`jahr`)
  - Place of work: federal state (Bundesland) (`ao_bula`)
  - Classification of Economic Activities 1973, 3-digit code (`w73_3`)
  - Classification of Economic Activities 1993, 3-digit code (`w93_3`)
  - Classification of Economic Activities 2003, 3-digit code (`w03_3`)
  - Classification of Economic Activities 2008, 3-digit code (`w08_3`)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  - Year of first appearance (`grd_jahr`)
  - Year of last appearance (`lzt_jahr`)
  - Total number of employees (`az_ges`)
  - Total number of full-time employees (regular employees + others) (`az_vz`)
  - Number of marginal part-time workers (`az_gf`)
  - Mean imputed wage (gross average daily wage) for all full-time employees (`te_imp_mw`)
  
2. Additionally, following **sensitive variables** from the BHP can be requested **individually**<sup>11</sup>:
  - Date of first appearance (`grd_dat`)
  - Date of last appearance (`lzt_dat`)
  - Place of work: district code (`ao_kreis`)
  - Classification of Economic Activities 1993, 5-digit code (`w93_5`)
  - Classification of Economic Activities 2003, 5-digit code (`w03_5`)
  - Classification of Economic Activities 2008, 5-digit code (`w08_5`)
  
3. Further following **variable blocks** from the BHP can be requested:
  - General employment structure (`az_ges az_f az_reg az_gf az_azubi az_atz az_vz az_tz az_f_vz az_f_tz az_reg_vz`)
  - Structure of employees by educational and vocational qualifications (`az_gq az_mq az_hq az_gq_vz az_mq_vz az_hq_vz`)
  - Employee age structure (`az_15_19 az_15_19_vz az_20_24 az_20_24_vz az_25_29 az_25_29_vz az_30_34 az_30_34_vz az_35_39 az_35_39_vz az_40_44 az_40_44_vz az_45_49 az_45_49_vz az_50_54 az_50_54_vz`)

<sup>11</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.

az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz  
alter\_mw alter\_mw\_vz)

- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)

#### 4. Beyond that following **extension files** of the BHP can be requested:

- **Extension file – Worker flows** (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bf\_agr ein\_bf\_emb ein\_bg\_edi ein\_bf\_evb ein\_bf\_qmb az\_bf\_qdi ein\_bf\_qvb ein\_bf\_tec ein\_bf\_semi ein\_bf\_ing ein\_bf\_prof ein\_bf\_man ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_bf\_agr aus\_bf\_emb aus\_bf\_edi aus\_bf\_evb aus\_bf\_qmb aus\_bf\_qdi aus\_bf\_qvb aus\_bf\_tec aus\_bf\_semi aus\_bf\_ing aus\_bf\_prof aus\_bf\_man aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- **Extension file – Entry and exit** (eintritt besch inflow betnr\_vor besch\_vor status\_vor austritt\_besch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 03/2016](#).



## NEPS-SC6-ADIAB 7515 (National Educational Panel Study, Starting Cohort 6 survey data linked to administrative data of the IAB 1975 - 2015)

Establishment variables from **BHP 1975-2014** are available for NEPS-SC6-ADIAB 7514.

1. With these data a basic establishment file is **always** provided which contains following variables:
  - Artificial establishment number (`betnr`)
  - Year (`jahr`)
  - Place of work: federal state (Bundesland) (`ao_bula`)
  - Classification of Economic Activities 1973, 3-digit code (`w73_3`)
  - Classification of Economic Activities 1993, 3-digit code (`w93_3`)
  - Classification of Economic Activities 2003, 3-digit code (`w03_3`)
  - Classification of Economic Activities 2008, 3-digit code (`w08_3`)
  - Time-consistent industry codes (3-digit code) according to Eberle et al. ([FDZ-Methodenreport 05/2011](#))
  - Year of first appearance (`grd_jahr`)
  - Year of last appearance (`lzt_jahr`)
  - Total number of employees (`az_ges`)
  - Total number of full-time employees (regular employees + others) (`az_vz`)
  - Number of marginal part-time workers (`az_gf`)
  - Mean imputed wage (gross average daily wage) for all full-time employees (`te_imp_mw`)
  
2. Additionally, following **sensitive variables** from the BHP can be requested **individually**<sup>12</sup>:
  - Date of first appearance (`grd_dat`)
  - Date of last appearance (`lzt_dat`)
  - Place of work: district code (`ao_kreis`)
  - Classification of Economic Activities 1993, 5-digit code (`w93_5`)
  - Classification of Economic Activities 2003, 5-digit code (`w03_5`)
  - Classification of Economic Activities 2008, 5-digit code (`w08_5`)
  
3. Further following **variable blocks** from the BHP can be requested:
  - General employment structure (`az_ges az_f az_reg az_gf az_azubi az_atz az_vz az_tz az_f_vz az_f_tz az_reg_vz`)
  - Structure of employees by educational and vocational qualifications (`az_gq az_mq az_hq az_gq_vz az_mq_vz az_hq_vz`)
  - Employee age structure (`az_15_19 az_15_19_vz az_20_24 az_20_24_vz az_25_29 az_25_29_vz az_30_34 az_30_34_vz az_35_39 az_35_39_vz az_40_44 az_40_44_vz az_45_49 az_45_49_vz az_50_54 az_50_54_vz`)

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<sup>12</sup> If the requested dataset is provided with sensitive variables the respective non-sensitive variables are deleted if the researcher can construct this variable by herself. For instance, the variable federal state is deleted when the requested dataset contains the variable district. By truncating the last 3 three digits of the district variable it is possible to generate the federal states.

az\_55\_59 az\_55\_59\_vz az\_60\_64 az\_60\_64\_vz az\_ab65 az\_ab65\_vz  
alter\_mw alter\_mw\_vz)

- Research and development activities (az\_ingnat)
- Number of employees with non-standard job types (az\_leih az\_bfr)
- Structure of employees by nationality (az\_d az\_d\_vz az\_eu)
- Structure of employees by Blossfeld occupational group (az\_bf\_agr az\_bf\_emb az\_bf\_edi az\_bf\_evb az\_bf\_qmb az\_bf\_qdi az\_bf\_qvb az\_bf\_tec az\_bf\_semi az\_bf\_ing az\_bf\_prof az\_bf\_man)
- Structure of employees by level of requirement (az\_niv1 az\_niv2 az\_niv3 az\_niv4)
- Wage structure of full-time employees (az\_zens te\_med te\_p25 te\_p75 te\_imp\_mw te\_imp\_med te\_imp\_p25 te\_imp\_p75 te\_imp\_mw\_f te\_imp\_med\_f te\_imp\_med\_m te\_imp\_mw\_gq te\_imp\_med\_gq te\_imp\_mw\_mq te\_imp\_med\_mq te\_imp\_mw\_hq te\_imp\_med\_hq te\_imp\_med\_uq te\_imp\_mw\_d te\_imp\_med\_d te\_imp\_med\_a)

#### 4. Beyond that following **extension files** of the BHP can be requested:

- Extension file – Worker flows (ein\_ges ein\_f ein\_reg ein\_gf ein\_azubi ein\_vz ein\_tz ein\_vz\_f ein\_tz\_f ein\_reg\_vz ein\_wdr ein\_wdr\_f ein\_bw ein\_bw\_f ein\_bf\_agr ein\_bf\_emb ein\_bg\_edi ein\_bf\_evb ein\_bf\_qmb az\_bf\_qdi ein\_bf\_qvb ein\_bf\_tec ein\_bf\_semi ein\_bf\_ing ein\_bf\_prof ein\_bf\_man ein\_15\_19 ein\_20\_24 ein\_25\_29 ein\_30\_34 ein\_35\_39 ein\_40\_44 ein\_45\_49 ein\_50\_54 ein\_55\_59 ein\_60\_64 ein\_ab65 aus\_ges aus\_f aus\_reg aus\_gf aus\_azubi aus\_vz aus\_tz aus\_vz\_f aus\_tz\_f aus\_reg\_vz aus\_temp aus\_bw aus\_bw\_f aus\_bf\_agr aus\_bf\_emb aus\_bf\_edi aus\_bf\_evb aus\_bf\_qmb aus\_bf\_qdi aus\_bf\_qvb aus\_bf\_tec aus\_bf\_semi aus\_bf\_ing aus\_bf\_prof aus\_bf\_man aus\_15\_19 aus\_20\_24 aus\_25\_29 aus\_30\_34 aus\_35\_39 aus\_40\_44 aus\_45\_49 aus\_50\_54 aus\_55\_59 aus\_60\_64 aus\_ab65 aus\_senio\_1 aus\_senio\_2 aus\_senio\_3)
- Extension file – Entry and exit (eintritt besch inflow betnr\_vor besch\_vor status\_vor austritt\_besch outflow betnr\_nach besch\_nach status\_nach)

**Please explain why access to variables/extension files (except variables of the basic establishment file, see 1.) is required for conducting the research project. The necessity has to be explained individually for each sensitive variable or each variable block or each extension file.**

Detailed information on the variables and extension files of the BHP are provided in the [FDZ-Datenreport 03/2016](#).