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Work, Age, Health and Employment
- Evidence from Longitudinal Studies
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Wuppertal Suspension Railway - the oldest electric elevated railway worldwide, © Bernd Bähler

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DEPARTMENT OF
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related to more burnout, whereas higher workplace resources, e.g. leadership quality and degree of freedom, result in lower burnout prevalence rates.

Discussion Although the response rate is quite low, the analyses show that the sample is representative for the German working population. Burnout is related to psychosocial working conditions.

Conclusion This study provides first representative data on working conditions and mental health for Germany. The 2nd wave will allow studying causal relationships and predictors of early retirement.

The dependence of the functional state of farmers depending on age

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Background The aim was to find out a share of influence of age on changes of physiological parameters of farmers in dynamics of shift.

Methods All studies have been carried out among workers of four typical farms. The workers were distributed in four groups. The 1 age group - 21 - 30 years, the 2 -31-40, the 3 group- 41 - 50 years and the 4 - from 51 years and more. The heart rate, the arterial pressure, the indexes of memory, attention, muscular strength were studied during the shift.

Results The parameters of systolic and diastolic blood pressure were increased in dynamics of shift in all groups and were maximal at the operators of 4 group. The results of testing on study of nervous activity shows that the starting condition of the operators of first age group were the best, they showed higher results, however in dynamics of shift their results were worsened, remaining higher on the absolute meanings. The time of attention test was increased on a measure of "aging" of groups, however at the persons 2, 3 and 4 groups occur improvement of performance of the test, reduction of time at the end of shift. The improvement - increase of speed of reaction took place at the persons of 2 group and of 4 groups. The parameters of muscular force in dynamics of working shift have decreased almost at all groups of the operators.

Discussion/Conclusion We constructed graphic structures of a functional condition of the operators stock breeders on age groups in first and last hours of shift. It was found that distinction in functional condition between groups of different age are expressed more strongly, than at the persons of one age under influence of industrial loading. It is possible to assume, that at presence homogeneous on age of groups of the farmers, the changes of physiological parameters under effect of professional activity would be more unequivocal and are more subject to optimization.