

## What is STREAM?

STREAM is a **longitudinal study** among persons **aged 45+** in the Netherlands. It started with four waves between 2010 and 2013 and will continue with more waves starting in 2015. Participants fill in an online questionnaire on topics such as: health, work, knowledge and skills, social circumstances, and financial situation.

More than **12,000 employees, 1,000 self-employed persons, and 2,000 non-employed persons** participated at baseline. More than half (53%) of the respondents at baseline have participated in all five waves of STREAM so far. In the fifth wave a new panel of 6,752 persons was included.

For data collection an existing Intomart GfK internet panel is used. For 89% of baseline participants, **data linkage** with information from **Statistics Netherlands** is possible.

To obtain additional insight, **qualitative studies** have been and will be conducted among STREAM participants.

# STREAM Newsletter

Issue 8

## Study on Transitions in Employment, Ability and Motivation

### The fifth wave of STREAM

In the previous newsletter we informed you that STREAM will continue. In the autumn of 2015 data collection for the fifth wave took place. In this newsletter we will give an overview of the response in the fifth wave and share some initial results.

#### The existing panel

Of the existing panel of 15,188 respondents, 14,115 persons were invited to participate in the fifth wave. In total, 9,994 persons filled out the questionnaire (response: 71%) (figure 1). Till now, 7,979 persons (52%) have participated in all five waves!

#### The new panel

In the fifth wave, a new panel was recruited in addition to the existing panel to replace participants lost to follow up and to reintroduce persons in the age category 45-49 to STREAM. In total, 12,109 persons were invited for the new panel, and 6,752 persons completed the questionnaire (response 56%).

**More information on STREAM is available at:**  
[www.tno.nl/STREAM](http://www.tno.nl/STREAM)  
**Contact:** [infostream@tno.nl](mailto:infostream@tno.nl)

**STREAM is interested in (inter)national and multidisciplinary collaborations to conduct innovative research with practical implications. Contact us for possible partnerships!**



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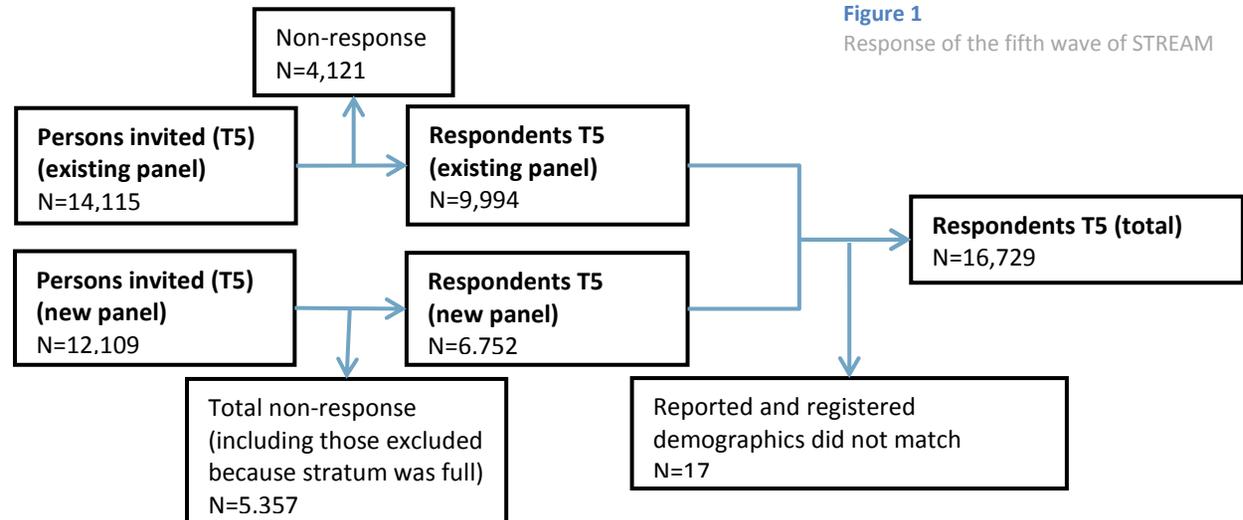
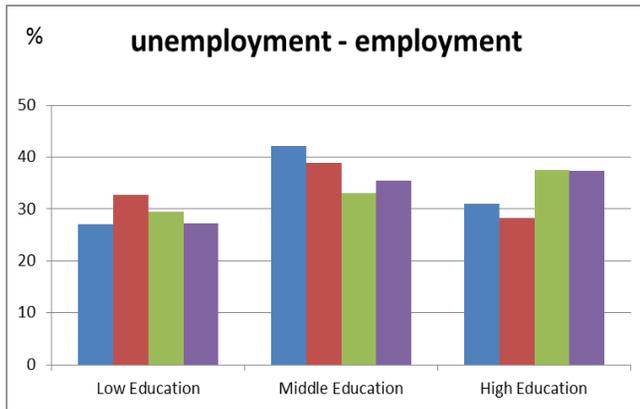
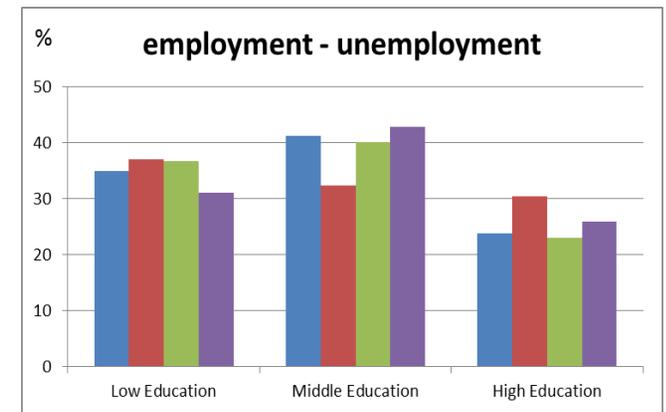
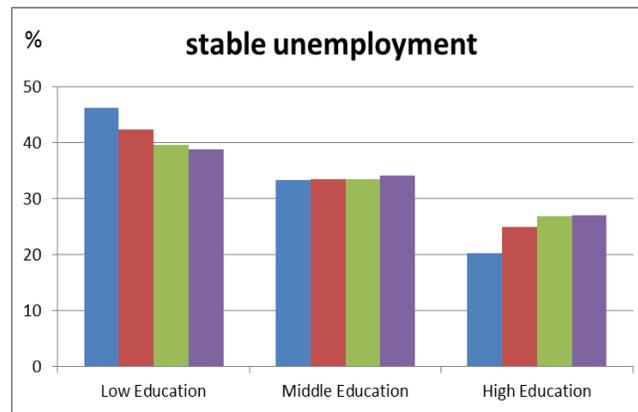
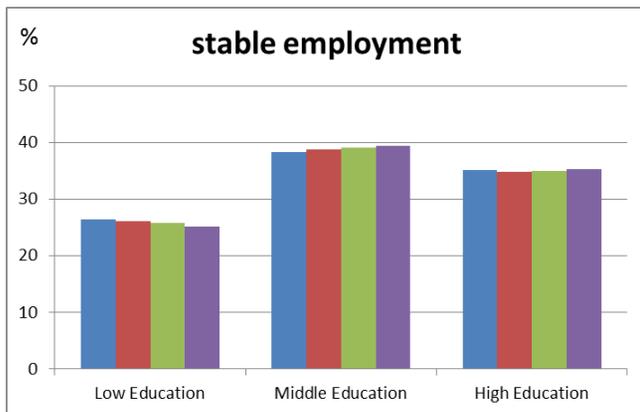


Figure 1  
Response of the fifth wave of STREAM



- Wave1 / Wave2
- Wave2 / Wave3
- Wave3 / Wave4
- Wave4 / Wave5

The graphs illustrate the **stability** and **changes** of work-unemployment transitions between two time points and over 5 years. Within waves, the percentages of the three educational levels add up to 100%.

**Stable employment** – The percentage of participants who stay employed between all waves is stable over time for all educational levels. Approximately 40% of those who keep employed have middle education, 35% have high education and 25% have low education.

**Stable unemployment** – Among participants who are unemployed two consecutive waves, the percentage of persons with low education decreases over time; the percentage of persons with high education exhibit slight increase; and the percentage of participants with middle education remains stable.

**Employment-unemployment** – The percentage of participants who transition from employed to unemployed between 2 waves changes with time. Over time, approximately 35% of people who transition out of employment have low education. The percentage of people who exit the work force each year varies for those with middle and high education.

**Unemployment-employment** – The percentage of participants who transition from unemployed to employed changes over time. Out of the participants who join the workforce, those with lowest education have the lowest percentage.

## Selection of STREAM-publications

- Ybema JF, Van der Meer, L, Leijten, FR. Longitudinal Relationships Between Organizational Justice, Productivity Loss, and Sickness Absence Among Older Employees. *Int J Behav Med.* 2016 Epub Feb 2016\* [LINK](#)
- Sanders J, Blonk R, Geuskens G, de Grip A. Learning lags behind events; does training help older employees recover from perceived skills shortages? [Achter de feiten aan leren. Helpt scholing oudere werknemers te herstellen van kennistekorten? *Tijdschrift voor Arbeidsvraagstukken* 2015;31. [Dutch] [LINK](#)
- Dorenbosch L, Boneschansker O, Fermin B, Andriessen S, Sanders J, Geuskens G. Multi-jobbing as an employability strategy [Multi-jobbing als employability-strategie]. *Tijdschrift voor Arbeidsvraagstukken* 2015;31:165-185. [Dutch] [LINK](#)
- Leijten FR, de Wind A, van den Heuvel SG, Ybema JF, van der Beek AJ, Robroek SJ, Burdorf A. The influence of chronic health problems and work-related factors on loss of paid employment among older workers. *J Epidemiol Community Health.* 2015 Nov;69(11):1058-65. Epub 2015 Jun 25. [LINK](#)
- Van der Meer L, Leijten FR, Heuvel SG, Ybema JF, de Wind A, Burdorf A, Geuskens GA. Company Policies on Working Hours and Night Work in Relation to Older Workers' Work Ability and Work Engagement: Results From a Dutch Longitudinal Study with 2 Year Follow-Up. *J Occup Rehabil.* 2015 Aug 7. [Epub ahead of print] [LINK](#)
- de Wind A, Geuskens GA, Ybema JF, Blatter BM, Burdorf A, Bongers PM, van der Beek AJ. "Health, job characteristics, skills, and social and financial factors in relation to early retirement – results from a longitudinal study in the Netherlands". *Scandinavian Journal of Work, Environment & Health.* 2013;40:186-94. [LINK](#)
- Ybema JF, Geuskens GA, van den Heuvel SG, de Wind A, Leijten FRM, Joling C, Blatter BM, Burdorf A, van der Beek AJ, Bongers PM. "Study on Transitions in Employment, Ability and Motivation (STREAM): The Design of a Four-year Longitudinal Cohort Study among 15,118 Persons Aged 45 to 64 Years". *British Journal of Medicine & Medical Research.* 2014;4:1383-99. [LINK](#)

\*newly added to the list