

Workers' health surveillance for construction workers.

No registrations found.

Ethical review	Positive opinion
Status	Pending
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON25148

Source

NTR

Health condition

screening, surveillance, work functioning, work-related diseases, periodic health examination

Sponsors and support

Primary sponsor: Academic Medical Center (AMC), University of Amsterdam

Source(s) of monetary or material Support: Arbouw

Intervention

Outcome measures

Primary outcome

The primary outcome variable compares the number of workers who have undertaken one or more preventive actions advised by their occupational physician after attending their WHS in the past two to three months relative to the number of workers who attended their WHS.

Secondary outcome

Secondary outcome parameters are:

1. The proportion of officially registered preventive actions by the occupational physician (number of workers with one or more registered preventive actions relative to the number of workers that attended their WHS);
2. The proportion of workers with suggested preventive actions and advises of the occupational physician in the worker reportage (number of workers with one or more preventive actions or advises in their report relative to the number of workers that attended their WHS);
3. The number and type of preventive actions (job-specific or general health) advised by the OP;
4. The number and type of undertaken preventive actions (job-specific or general health) by the worker.

Furthermore, the direct costs per worker for the funder of the preventive health examination will be determined.

Study description

Background summary

Background:

Dutch construction workers are offered periodic health examinations. This care can be improved by tailoring this workers health surveillance (WHS) to the demands of the job and adjust the preventive actions to the specific needs of a worker in a particular job. To improve the quality of the WHS for construction workers and stimulate relevant job-specific preventive actions by the occupational physician, we developed a job-specific WHS. The job-specific WHS consists of modules assessing both physical and psychological requirements. The selected measurement instruments are chosen based on their appropriateness to measure the workers' capacity and health requirements. Next to a questionnaire and biometrical tests, also physical performance tests are used to measure physical functional capabilities. We designed a protocol to increase the quality of occupational physician's counselling and stimulate job-specific preventive actions.

Methods/Design:

The present study was designed as a non-randomized trial with a control group and a two to three month follow-up. Bricklayers and supervisors (n=206) in the intervention group are offered a job-specific WHS. All other bricklayers and supervisors in the Netherlands who are offered a WHS as usual, are invited to participate in the control group. The primary outcome

measure is the proportion of participants who have undertaken one or more of the preventive actions advised by their occupational physician in the two to three months after attending the WHS. A process evaluation is carried out to evaluate context, reach, dose delivered, dose received, fidelity, and satisfaction. The present study is designed according to the TREND Statement.

Conclusion/Discussion:

This study will allow an evaluation of the behaviour of both the workers and occupational physician regarding the preventive actions undertaken by them within the scope of a job-specific WHS.

Study objective

We hypothesize that the job-specific workers' health surveillance (WHS) increases the preventive actions undertaken by the workers after attending their WHS. Secondary, we hypothesize that based on the job-specific WHS, the occupational physicians advise more preventive actions in total and more job-specific (compared to general health) preventive actions.

Study design

1. Baseline;
2. One follow-up two to three months after attendance of the worker at their WHS.

Intervention

The job-specific WHS consists of three parts which together aim at the detection of signals of work-related health problems, reduced work capacity or reduced work functioning. The worker fills in a questionnaire, then biometry measurements are carried out by a medical assistant and subsequently physical performance tests are carried out under guidance of an ergonomist. Thereafter, the occupational physician discusses the results with the worker and advises on potential preventive measures.

Bricklayers and construction supervisors in the control group are offered care as usual. They will also fill in the questionnaire after two to three months.

Contacts

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Eligibility criteria

Inclusion criteria

1. Workers with the occupation bricklayer or construction supervisor;
2. Male;
3. Able to read, speak and write Dutch sufficiently well;
4. No intention to leave the occupation in the future year.

Exclusion criteria

N/A

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-10-2011
Enrollment:	206
Type:	Anticipated

Ethics review

Positive opinion	
Date:	05-08-2011
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL2869

Register

NTR-old

Other

ISRCTN

ID

NTR3012

METC AMC : WII-058#11.17.0617

ISRCTN wordt niet meer aangevraagd.

Study results

Summary results

N/A