

Morbidity in elderly travelers during a short-term stay abroad, a prospective cohort study

No registrations found.

Ethical review	Positive opinion
Status	Recruitment stopped
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON26025

Source

NTR

Brief title

ELDEST study

Health condition

Older travelers, illness during travel and 4 weeks after return, co-morbidity, polypharmacy, hand grip strength and cognitive functioning before travel (Dutch: oudere reizigers, ziekten tijdens een reis en 4 weken na terugkomst, co-morbiditeit, polyfarmacie, handknijpkracht en cognitief denkvermogen voor vertrek)

Sponsors and support

Primary sponsor: Travel Clinic, Leiden University Medical Center, the Netherlands

Source(s) of monetary or material Support: - International Society of Travel Medicine (ISTM research award)

- Travel Clinic, Leiden University Medical Center, the Netherlands

Intervention

Outcome measures

Primary outcome

The main endpoints of the primary objective are the occurrence, duration in days and morbidity of an acquired illness during travel and four weeks after return. The focus will be on different type of health complaints:

- Fever
- Gastrointestinal
- Respiratory
- Dermatological
- Cardiovascular
- Genitourinary tract

Other endpoints of the objective are:

- Hand grip strength in kilograms before travel (vitality).
- Patient-reported health before, during and after travel (SF-36 and Charlson Comorbidity Index).
- Independence in activities of daily living (Katz-ADL).
- Cognitive functioning before travel (6CIT).

Secondary outcome

- Frequency of medical conditions before travel.
- Frequency of medication use before travel.
- Number of medicines used before travel (e.g. polypharmacy).
- Frequency of infectious or non-infectious illnesses during travel or in the Netherlands until four weeks after return.
- Frequency of a new medical condition or an exacerbation of underlying medical condition during travel or in the Netherlands until four weeks after return.

- Percentage of medication adjustments during travel and four weeks or in the Netherlands until four weeks after return.
- Frequency of self-reported compliance with prescribed antimalarials during travel.
- Frequency of doctor visits abroad or in the Netherlands until four weeks after return.
- Frequency and duration of hospitalizations abroad or in the Netherlands until four weeks after return.

Demographical parameters:

- Gender
- Age
- Education level
- Weight (in kilograms)
- Length (in centimetres)
- BMI
- Immigrant

Travel parameters:

- Destination
- Duration
- Type of travel
- Type of accommodation
- Self-reported risk behaviour during travel
- Jetlag
- Travel health insurance, covering medical costs and repatriation

Study description

Background summary

People live longer in better health and are fit to travel at increasing ages. Various new risks can be faced during international travel due to age related health problems. Also comorbidities and accompanying polypharmacy can cause severe health problems, especially in elderly travelers. We therefore hypothesize that travelers of 60 years and older consulting pre-travel clinics and GP's are not getting the tailored advice appropriate for their needs.

Study objective

To determine frequency, duration and morbidity of (travel-related) health problems and/or exacerbations of underlying illnesses among Dutch travelers of 60 years and older visiting (sub)tropical destinations for a short-term stay to establish risk profiles characterized by vitality, health status and cognitive functioning.

Study design

- Before travel (grip strength, cognitive functioning, questionnaire 1, start diary)
- During travel (diary)
- After travel (after 1 week questionnaire 2, filling in diary until 2 weeks after return)
- After travel (4 weeks after return questionnaire 3, some travelers 8 weeks after return questionnaire 4)

Intervention

No intervention (prospective observational cohort study)

Contacts

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Eligibility criteria

Inclusion criteria

A traveler is eligible for inclusion if all of the following criteria applied:

- 60 years and older;
- Planned travel to (sub)tropical destinations
- Travel duration of five weeks (35 days) or less.
- Ability to complete the questionnaires and diary;
- Ability to speak and read Dutch fluently;
- Ability to sign the informed consent form.

Exclusion criteria

A traveler is not eligible for inclusion if one of the following criteria applied:

- 59 years or younger;
- Travel to non (sub)tropical destinations;
- Travel duration longer than 5 weeks (>36 days);
- Inability to complete questionnaires and diary;
- Visit to travel clinic is less than two weeks before departure.

- Inability to speak or read Dutch;
- Incapacitated travelers (e.g. due to dementia);
- Absence of written informed consent.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	11-07-2016
Enrollment:	477
Type:	Actual

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion	
Date:	31-05-2016
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

ID: 43674

Bron: ToetsingOnline

Titel:

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

No registrations found.

In other registers

Register	ID
NTR-new	NL5734
NTR-old	NTR5879
CCMO	NL54793.058.16
OMON	NL-OMON43674

Study results

Summary results

<https://doi.org/10.1093/jtm/taaa216>