

The impact of eScreening on AUDIT-C questionnaire completion rates

Submission date 26/01/2024	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 08/02/2024	Overall study status Completed	<input checked="" type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 24/12/2024	Condition category Other	<input type="checkbox"/> Individual participant data <input checked="" type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims

This is a cluster-randomized quality improvement project that is intended to evaluate the effectiveness of pre-visit screening for alcohol use disorder among patients in the Veterans Health Administration. The project will take place among patients due for screening, who will either receive a pre-visit electronic link to complete a standard alcohol use disorder identification test (AUDIT-C) survey or receive the screening in person during a visit, as is the usual practice. The project will be randomized by assigning primary care providers at each site to the intervention (electronic screening) or usual care (in-person) arms and will take place at two regional primary care clinics. The primary objective is to measure differences in AUDIT-C screening completion after an associated clinic visit.

Who can participate?

Primary care clinicians who are assigned to one of the two project conditions.

Patients who are assigned to a participating clinician and engaged in primary care at the Veterans Health Administration in two clinics, Seattle and American Lake, and are due for alcohol use disorder screening at an upcoming regular primary care appointment.

What does the study involve?

Completing routine health screenings either by the usual method of administration (in-person questions asked by a clinic staff member) or completing the screenings by a secure, approved system that sends an electronic survey link to a patient's home device (phone or computer). The project will run until the minimum number of patients to detect a difference is achieved, anticipated by 6-8 weeks, or until the health system determines one method of screening is preferable (which would occur independently from the project evaluation) and the conditions change that makes it possible to evaluate a difference in screening types.

What are the possible benefits and risks of participating?

Participating clinicians will be randomly allocated to one of the two conditions affecting the administration of screenings before their encounter. This will not affect follow-up protocols for positive screenings or other aspects of patient care. Patients may notice differences in privacy,

convenience, or comfort receiving a screening by electronic link compared to in-person screening, but will not otherwise experience a difference in clinical care workflows or usual practices.

Where is the study run from?

At two sites in the VA Puget Sound Health Care System, the Seattle VA, and the American Lake VA primary care clinics.

When is the study starting and how long is it expected to run for?

July 2023 to December 2024

Who is funding the study?

Evaluation of the difference in screening types will be supported by the Primary Care Analytics Team, funded by the VHA Office of Primary Care.

Who is the main contact?

Alaina Mori (Project Administrator), Alaina.Mori@va.gov

Contact information

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Additional identifiers

EudraCT/CTIS number

Nil known

IRAS number**ClinicalTrials.gov number**

Nil known

Secondary identifying numbers

PCIL-AUDIT-C

Study information

Scientific Title

The impact of eScreening on Alcohol Use Disorders Identification Test (AUDIT-C) questionnaire completion rates at VA Puget Sound among Veterans due to screening

Study objectives

AUDIT-C survey completion rate among Veterans who have been sent an eScreening differs compared to Veterans who did not receive eScreening

Ethics approval required

Ethics approval not required

Ethics approval(s)

This work was designated as non-research, quality improvement after review by the VHA Office of Primary Care under the national VHA Office of Research and Development policy of the U.S. Department of Veterans Affairs (VHA Office of Research & Development Program Guide 1200.21, "VHA Operations Activities That May Constitute Research," issued Jan 9, 2019), consistent with the intent to resolve questions of operationally-relevant process optimization for the health system. This exempts the work from further VHA Institutional Review Board (IRB) review. Work under this designation is conducted following all methodologic, policy, and ethical guidelines and regulations governing the conduct of VHA Office of Primary Care non-research quality improvement activities.

Study design

Prospective clustered randomized controlled trial

Primary study design

Interventional

Secondary study design

Cluster randomised trial

Study setting(s)

GP practice, Home, Hospital, Internet/virtual

Study type(s)

Screening

Participant information sheet

No participant information sheet available

Health condition(s) or problem(s) studied

Completion of an eScreening AUDIT-C questionnaire to Veterans before an upcoming visit among Veterans who are due for an AUDIT-C screening at the VA Puget Sound

Interventions

This is a prospective, clustered randomized controlled trial that will evaluate the effectiveness of improving AUDIT-C survey completion rates by sending a Veteran with primary care providers at the Seattle and American Lake clinics an AUDIT-C eScreening (24-48 hours) before an upcoming visit. Among the active arm, the eScreening will be sent to all Veterans on the provider's panel with an upcoming visit who are due for an AUDIT-C screening. The control arm (i.e., usual care) of primary care providers and associated encounter-specific nursing staff will continue to complete screening reminders as identified for patient care during visits.

Providers eligible for enrollment into the trial will be randomized in a 1:1 allocation using permuted block randomization (with random block sizes of 2 and 4) to the following interventions:

1. Active arm: eScreening
 - 1.1. Intervention Type: Other
 - 1.2. Intervention Description: Text message with AUDIT-C survey link sent via BHL Touch
2. Control arm: No eScreening
 - 2.1. Intervention Type: No intervention

Randomization will be stratified within arms by site (Seattle vs. American Lake).

Intervention Type

Behavioural

Primary outcome measure

Alcohol screenings (%) measured using AUDIT-C survey completion at 1 day post-visit, among patients due for screening with a virtual or telephone visit encounter

Secondary outcome measures

Proportion (%) patients screening positive (score ≥ 5 on AUDIT-C survey) among patients with completed surveys at 1 day post-visit from virtual or telephone visit encounter

Overall study start date

24/07/2023

Completion date

31/12/2024

Eligibility

Key inclusion criteria

1. All Veterans assigned to a primary care provider at the VA Puget Sound as of November 1, 2023, with an upcoming visit (index trial visit)

2. Upcoming visits must be telephone, VVC, or face-to-face.
3. Eligible Veterans must have an AUDIT-C reminder due (no AUDIT-C completed in 12 months before the index trial visit).

Participant type(s)

Healthy volunteer, Patient

Age group

Mixed

Sex

Both

Target number of participants

900-1300 (anticipated)

Total final enrolment

1731

Key exclusion criteria

Providers will be identified via an audited list of Primary Care providers from Seattle and American lake.

1. Providers will be excluded if they had a total FTE across all their teams less than 0.3 and are not on a team of type (GERI, *H*, SCI, ,VPACT or HBPC).
2. Providers will be excluded if they participated in a trial test of BHL rollout.
3. Providers will be excluded that had less than 1 patient visit during study timeframe.

Date of first enrolment

24/06/2024

Date of final enrolment

05/08/2024

Locations**Countries of recruitment**

United States of America

Study participating centre

Seattle VA Medical Center

1660 S Columbian Way

Seattle

United States of America

98108

Study participating centre

American Lake VA Medical Center
9600 Veterans Dr SW
Tacoma
United States of America
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Sponsor information

Organisation

VA Puget Sound Health Care System

Sponsor details

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Sponsor type

Government

Website

<https://www.va.gov/puget-sound-health-care/>

Funder(s)

Funder type

Government

Funder Name

Health Services Research and Development

Alternative Name(s)

VA Health Services Research and Development Service, VA HSR&D, Veterans Health Administration HSR and D, HSR&D

Funding Body Type

Government organisation

Funding Body Subtype

National government

Location

Results and Publications

Publication and dissemination plan

Results from this study will be disseminated among the health system stakeholders and clinical leadership, consistent with the project designation as an operationally focused quality improvement project, to help resolve questions of system optimization. Generalizable findings from this work will also be analyzed and disseminated for wider audiences through peer-reviewed manuscripts and/or for topical scientific conferences.

Intention to publish date

31/12/2025

Individual participant data (IPD) sharing plan

No additional data for this project will be collected, outside routine data collected for patient care under the Veterans Health Administration Office of Primary Care. As such, no datasets will be available for dissemination or sharing outside the institution. Analytic plans and detailed methods, outside those shared through scientific publications and conference proceedings, can be made available upon reasonable request.

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Statistical Analysis Plan			08/02/2024	No	No