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eTable. Identification of Homelessness by Diagnosis and Clinical Codes and Screening Questions

eFigure. Study Flow Diagram

This supplementary material has been provided by the authors to give readers additional information about their work.
### eTable. Identification of Homelessness by Diagnosis and Clinical Codes and Screening Questions

| ICD-9 Code | ICD Code Descriptions |
|------------|------------------------|
| V60.0      | Lack of housing        |
| V60.1      | Inadequate housing     |
| V60.89     | Other specified housing or economic circumstances |
| V60.9      | Unspecified housing or economic circumstance |

| ICD-10 Code | ICD Code Descriptions |
|-------------|------------------------|
| Z59.0       | Homelessness           |
| Z59.1       | Inadequate housing     |
| Z59.8       | Other problems related to housing and economic circumstances |
| Z59.9       | Problem related to housing and economic circumstances, unspecified |

| VA Clinical Code | Clinical Code Descriptions |
|------------------|-----------------------------|
| 28¹              | Mental Health Residential and Rehab Treatment Program for Compensated Work Therapy/Treatment Resident (MHRRTP CWT/TR) |
| 37¹              | Domiciliary care for homeless Veterans (DCHV) |
| 504²             | Services provided by VA clinical staff of Grant and Per Diem programs to homeless vets or family members of such vets (Group Assistance) |
| 507²             | Services provided by VA for HUD-VASH to homeless or at-risk Veterans or family members (Group Assistance) |
| 508²             | HCHV/HCMI Group (VA Health Care for Homeless Veterans/Homeless Chronically Ill) |
| 511²             | Services provided by VA clinical staff to Homeless Veterans or family members of such who are receiving services from Grant or per Diem programs |
| 522¹,²           | HUD/VASH (Dept. of Housing and Urban Development VA Shared Housing) Individual |
| 528¹,²           | Telephone Services/Homeless Mentally Ill (HMI) |
| 529¹,²           | Healthcare for homeless Veterans (restricted to programs approved by the Northeast Program Evaluation Center, NEPEC) |
| 530¹             | Telephone/HUD-VASH (Dept. of Housing and Urban Development VA Shared Housing) |
| 555²             | Homeless Veteran Community Employment services – Individual Assistance |
| 556²             | Homeless Veteran Community Employment services – Group Assistance |
| 590¹,²           | Community outreach to homeless Veterans |

### Homeless Screening Questions³

| Positive Indicator |
|--------------------|
| In the past 2 months, have you been living in stable housing that you own, rent, or stay in as part of a household? |
| If no: Has no stable housing |
| Are you worried or concerned that in the next 2 months you may not have stable housing that you own, rent, or stay in as part of a household? |
| If yes: Has worries about stable housing |

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¹ Peterson R, Gundlapalli AV, Metraux S, et al. Identifying homelessness among veterans using VA administrative data: opportunities to expand detection criteria. *PLoS One.* 2015;10(7):e0132664.

² Garvin LA, Hu J, Slichtam C, McInnes DK, Zulman DM. Use of video telehealth tablets to increase access for veterans experiencing homelessness. *J Gen Intern Med.* 2021 Aug;36(8):2274-2282. doi: 10.1007/s11606-021-06900-8.

³ Montgomery AE, Rahman AKMF, Chhabra M, Cusack MC, True JG. The importance of context: linking veteran outpatients screening positive for housing instability with responsive interventions. *Adm Policy Ment Health.* 2021;48(1):23-35.
eFigure. Study Flow Diagram. Among 992,453 patients in the Veterans Health Administration (VA) with an incident diagnosis of atrial fibrillation (AF) from 2010 through 2020, we identified 325,984 with continuous VA enrollment, no prior diagnosis of AF and a confirmatory AF diagnosis within 180 days after the index diagnosis in VA. After additional exclusions, the final study sample included 168,003 patients with incident AF from 2014-2020. All exclusions were performed sequentially.
VA patients with an AF diagnosis between 01/01/2010 to 12/31/2020 (N = 992,453)

Cohort Exclusions
1. Non-continuous VA enrollment in the prior 2 years (N = 139,658)
2. AF diagnosis in prior 2 years (N = 174,780)
3. No confirmatory AF diagnosis within 180 days after index diagnosis (N = 352,031)

VA patients with continuous VA enrollment, confirmed AF diagnosis, and no prior AF diagnosis (N = 325,984)

Study Sample Exclusions
1. Valvular heart disease, prior cardiac ablation, or hyperthyroidism within 2 years of index AF diagnosis (N = 25,131)
2. Any anticoagulant prescription within 2 years of index AF diagnosis (N = 54,047)
3. Death or hospice care within 90 days of index AF diagnosis (N = 7,842)
4. Incident AF prior to 2014 (N = 70,961)

Study Sample of VA patients with incident AF (01/01/2014-12/31/2020) (N = 168,003)