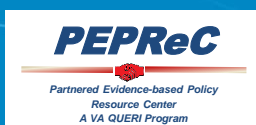




MISSION 401: FY21 Primary Care Underserved Model Updates

November 2020



1



“Development of criteria for designation of certain medical facilities of the Department of Veterans Affairs as underserved facilities and plan to address problem of underserved facilities.”

- Certain factors required by law (Veteran to provider ratio, range of specialties provided, wait times, local community access, etc.)
- Measure and report underservedness at least once a year
- Use MISSION 401 to guide resource allocation in MISSION 402

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MISSION 401 Underservedness

PEPReC

Partnered Evidence-based Policy
Resource Center
A VA QUERI Program

- **Evidence-based approach** – statistical modeling of supply and demand
- **Underservedness** – the imbalance between Veteran demand for primary care and a VAMC's supply of primary care
- **Underserved score** – *adjusted, predicted* new patient wait time

VETERANS HEALTH ADMINISTRATION

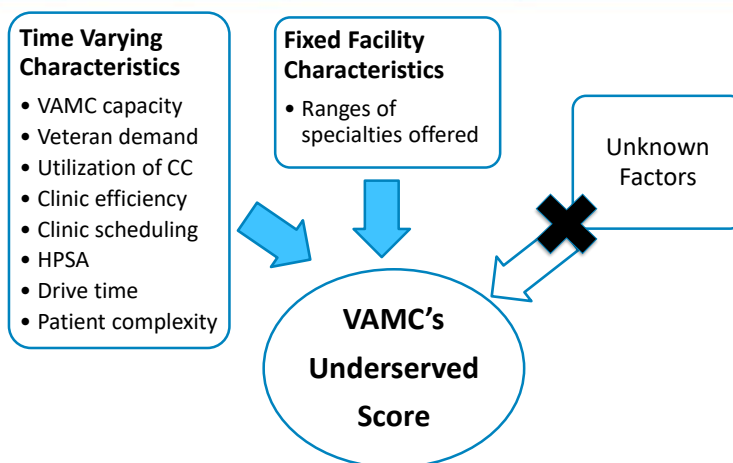
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MISSION 401 Model overview

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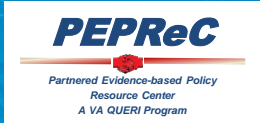


VETERANS HEALTH ADMINISTRATION

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MISSION 401
 Variable influence
 FY20 – June CMR



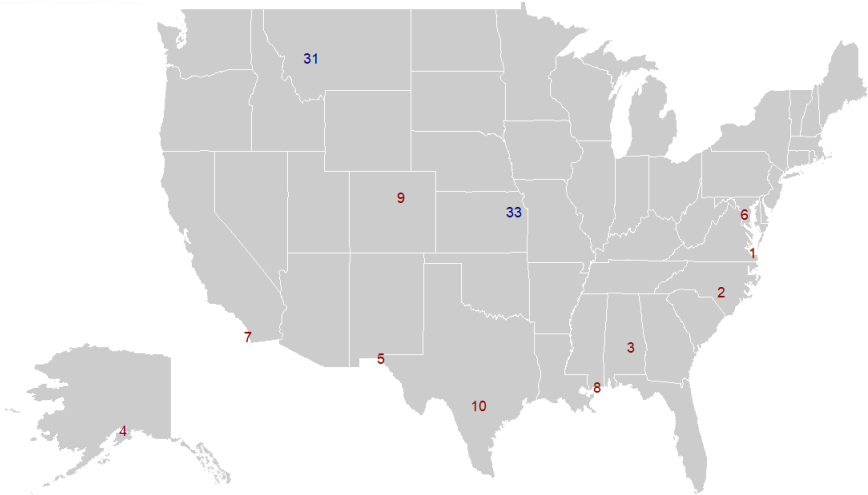
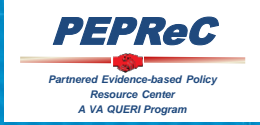
VARIABLE	NON-NUMERICAL WEIGHT
<i>Time-varying characteristics</i>	
1. Percentage of Veterans over 65 years old	- HIGH
2. Household median income	- HIGH
3. IM/Geri provider FTEs per 1000 enrollees	- HIGH
4. Percentage of Priority Groups 7 or 8 Veterans	- HIGH
5. Medicare Advantage community penetration	- HIGH
6. Zillow House Value Index	+ MED
7. Nosos risk adjustment score	- MED
8. Community health insurance coverage	+ MED
9. Community unemployment rate	- MED
10. PI ² Score	- MED
11. Unique community care patients	+ LOW
12. Dollars spent on community care	+ LOW
13. HPSA score	+ LOW
14. Drive time & distance	+ LOW
15. RVUs per IM/Geri FTE	- LOW
16. PACT Panel Size	- LOW
<i>Fixed facility characteristics</i>	
17. Mental health program complexity	+ LOW
18. ICU/surgical program complexity	+ LOW
19. Complex clinical program complexity	+ LOW

VETERANS HEALTH ADMINISTRATION

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MISSION 401
 Top 10 underserved PC facilities
 FY20 – June 2020 CMR



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FY21 Model Changes Overview

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- **We find the models to be accurate and effective at assessing underservedness**
 - Wait times are validated
 - Strong relationships between independent and dependent variables
 - Facilities agreed with designation
- **We continually improve the models by adding new variables, updating variable construction, and incorporating stakeholder feedback**
 - Clinic capacity
 - Clinic efficiency
 - Established patient scheduling
 - Veteran age

VETERANS HEALTH ADMINISTRATION

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FY21 Model Changes Clinic capacity

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- **Updated variable construction; variable substituted**
 - Total clinic time per Veteran enrollee – observed clinic time exhibits a more direct relationship with patient access
 - Reported FTE data – inadequate sensitivity to changes in clinic capacity
 - Includes all providers who generate workload in the primary care clinics
 - Observation at the provider-day level – flexibility, optimal for testing additional considerations
 - Translatable to established units (e.g. FTEs)
 - Alternative site virtual care capacity assigned to patient-site

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FY21 Model Changes

Clinic efficiency

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- **New variable**
 - Total clinical encounters per day of clinic capacity – an important element of clinical operations that mediates the relationship between clinic inputs and total production
 - Impact on waiting times is analogous to adding additional staff
 - Includes all types of in-person and virtual encounters where a provider is observed performing an outpatient service
 - *Provides facilities with a new tangible mitigation strategy*
 - VISN 1 pilot program – targeted enhancements to clinic efficiency to improve access outcomes

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FY21 Model Changes

Established patient scheduling

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- **New variable**
 - Percentage of established patient appointments scheduled more than 90 days in advance
 - Scheduling practices have been shown to directly impact new patient wait times
 - Past policy initiatives have aimed to address this practice to reduce cancellations and avoid crowd-out of new patients (Recall Reminder)
 - *Provides facilities with a new tangible mitigation strategy*

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FY21 Model Changes

Veteran age

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- **New variable(s)**
 - *Continuous age variable* – captures age health effect (gradient demand)
 - *Percentage of Veterans under 55yo* – accounts for younger Veterans who demand less health care overall
- Example of how qualitative feedback from management teams can lead to model improvements

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FY21 Status & Next Steps

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- **FY21 Status**
 - Most updated variables constructed now
 - Processing new drive time data from PSSG
 - Estimating FY21 models to produce new ranking in November
- **Next Steps (with OVAC)**
 - Brief affected VISN and VAMC leadership
 - Include ranking in Report to Congress
 - Consult with field on action planning

VETERANS HEALTH ADMINISTRATION

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