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# Primary Care Provider MyChart Patient Advice Request Message Gender-Specific Workload at the University of Vermont Health Network

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## Female Providers Disproportionately Bear the Workload Burden Associated with Increased MyChart Patient Advice Request Messages



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#### Introduction

- MyChart messaging provides a quick, easy, and asynchronous method of patient-provider communication
- MyChart Messaging has:
  - replaced patient visits and follow-ups<sup>1</sup>
  - improved the accessibility of primary care
    - Patients can reliably engage with their healthcare<sup>2</sup>
      Patients and providers can communicate at their own
  - convenience without the time-burden of an appointment<sup>1</sup>
     Increased provider workload:
    - Time spent messaging patients has low reimbursement<sup>3</sup>
    - High message volume associated with increased physician burnout<sup>4</sup>
    - Providers respond to patient messages in addition to their regular appointment<sup>5</sup>
- Female providers are more affected by an increased MyChart
  - messaging workload than non-female providers
  - Increased workload increase female burnout rates<sup>6</sup>
  - Uncompensated workload exacerbates gender-based wage gap in primary care<sup>7</sup>



**Objective:** Has the increased MyChart Messaging at UVMHN disproportionately affected female providers?

Methods



Epic EHR signal data from:

89 non-female and 178 female providers
27 UVMHN-Affiliated Primary Care Practices

Patient Advice Request Message metrics analyzed in Excel

Statistical significance at 0.05 level



- female providers (p=0.005)
- Female providers spent more time in their patient advice request messages in-basket than non-female providers (p=0.006)
- Female and non-female providers had no difference in turnaround times for these messages (p=0.68)
- Staff workflow and treatment of messages does not differ between female and nonfemale providers



### Discussion

- Female-identifying providers receive significantly more patient medical advice question messages and have an increased message workload than their male colleagues
- Messages are treated the same by staff regardless of provider gender indicating a similar workflow across provider teams regardless of provider gender

#### Next Steps

- Further analysis should include providers' patient demographics to identify any correlations between higher message load and patient panels as seen in other clinics<sup>1</sup>
- Dedicated paid staff to answer patient messages could reduce providers' workload
- Managing patient expectations around messages and implementing best-use guidelines could help alleviate the unpaid workload associated with the high message volume

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Figure 6 (left): Primary care providers who received a patient medical advice request in May 2023 demographics self-identified by pronoun use.