Supplement MATERIAL s1: Stratified Analysis by Sex and Multimorbidity Groups

Table S1. Factors associated with patient preference for engagement in SDM for initiation of anticoagulation for stroke prevention (Women, *n* = 242).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 2.13 (01.27–3.59) | 1.58 (0.87–2.86) |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 2.70 (1.25–5.86) | **2.90 (1.16–7.26)** |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 0.82 (0.42–1.58) | 0.77 (0.36–1.64) |
| College Graduate | 0.85 (0.43–1.66) | 0.98 (0.46–2.08) |
| Multimorbidity categories |  |  |
| 1–4 | Ref | Ref |
| 5–7 | 1.23 (0.69–0.56) | 1.45 (0.76–2.77) |
| 8 or more | 1.12 (0.56–2.23) | 1.22 (0.56–2.65) |
| Confidence in Patient-Provider Interaction (PEPPI > 45) | 0.61 (0.35–1.07) | 0.89 (0.47–1.67) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.95 (0.89–1.02) | 0.99 (0.91–1.07) |
| Patient report of anticoagulation burden (ACTS Score) | 1.09 (1.04–1.14) | **1.08 (1.03–1.14)** |

Abbreviations: PEPPI: Perceived Efficacy in Patient-Physician Interactions; ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S2. Factors associated with patient preference for engagement in SDM for initiation of anticoagulation for stroke prevention (Men, *n* = 253).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 1.21 (0.73–2.00) | 1.35 (0.77–2.34) |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 1.35 (0.68–2.69) | 0.99 (0.45–2.19) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 1.64 (0.76–3.52) | 1.41 (0.62–3.20) |
| College Graduate | 1.18 (0.56–2.46) | 1.15 (0.53–2.49) |
| Multimorbidity categories |  |  |
| 1–4 | Ref | Ref |
| 5–7 | 1.08 (0.62–1.89) | 0.95 (0.51–1.74) |
| 8 or more | 1.26 (0.63–2.53) | 1.04 (0.49–2.20) |
| Confidence in Patient-Provider Interaction (PEPPI > 45) | 0.58 (0.33–1.00) | 0.23 (0.34–1.12) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.96 (0.89–1.02) | 0.97 (0.90–1.04) |
| Patient report of anticoagulation burden (ACTS Score) | 1.05 (1.00–1.11) | 1.03 (0.98–1.09) |

Abbreviations: PEPPI: Perceived Efficacy in Patient-Physician Interactions; ACTS: AntiCoagulation Treatment Satisfaction.

Table S3. Factors associated with patient preference for engagement in SDM for type of anticoagulant for stroke prevention (Women, *n* = 248).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 2.61 (1.51–4.51) | **2.06 (1.09–3.89)** |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 2.91 (1.34–6.31) | 2.44 (0.94–6.31) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 1.34 (0.66–2.71) | 1.92 (0.85–4.37) |
| College Graduate | 1.20 (0.58–2.47) | 1.48 (0.64–3.42) |
| Multimorbidity categories |  |  |
| 1–4 | Ref | Ref |
| 5–7 | 1.03 (0.57–1.85) | 0.92 (0.47–1.79) |
| 8 or more | 0.68 (0.32–1.43) | 0.64 (0.27–1.51) |
| Low self-rated health | 2.18 (1.03–4.63) | 1.39 (0.55–3.55) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.95 (0.89–1.02) | 0.99 (0.92–1.08) |
| Patient report of anticoagulation burden (ACTS Score) | 1.12 (1.07–1.17) | **1.11 (1.05–1.17)** |

Abbreviations: ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S4. Factors associated with patient preference for engagement in SDM for type of anticoagulant for stroke prevention (Men, *n* = 257).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 1.62 (0.98–2.69) | **1.81 (1.03–3.19)** |
| Race/Ethnicity |  |  |
| Non–Hispanic White | Ref | Ref |
| Non–White | 2.15 (1.09–4.23) | 1.64 (0.75–3.60) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 2.15 (0.97–4.76) | 1.91 (0.80–4.53) |
| College Graduate | 1.58 (0.73–3.41) | 1.61 (0.72–3.61) |
| Multimorbidity categories |  |  |
| 1–4 | Ref | Ref |
| 5–7 | 1.00 (0.57–1.74) | 0.88 (0.47–1.62) |
| 8 or more | 1.31 (0.66–2.62) | 1.04 (0.46–2.32) |
| Low self-rated health | 1.32 (0.68–2.63) | 0.86 (0.37–1.99) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.94 (0.88–1.01) | 0.96 (0.89–1.03) |
| Patient report of anticoagulation burden (ACTS Score) | 1.07 (1.01–1.12) | **1.06 (1.01–1.12)** |

Abbreviations: ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S5. Factors associated with patient preference for engagement in SDM for initiation of anticoagulation for stroke prevention (1–4 chronic conditions, *n* = 203).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 2.09 (1.15–3.78) | **2.05 (1.07–3.94)** |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 2.19 (0.79–6.11) | 1.62 (0.48–5.39) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 0.87 (0.38–1.98) | 0.61 (0.24–1.56) |
| College Graduate | 0.93 (0.43–2.00) | 0.93 (0.41–2.09) |
| Confidence in Patient-Provider Interaction (PEPPI > 45) | 0.75 (0.40–1.41) | 0.81 (0.41–1.60) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.93 (0.86–1.01) | 0.94 (0.86–1.02) |
| Patient report of anticoagulation burden (ACTS Score) | 1.07 (1.01–1.13) | **1.06 (1.00–1.13)** |

Abbreviations: PEPPI: Perceived Efficacy in Patient-Physician Interactions; ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S6. Factors associated with patient preference for engagement in SDM for initiation of anticoagulation for stroke prevention (5–7 chronic conditions, *n* = 193).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 1.10 (0.63–1.93) | 1.43 (0.73–2.80) |
| Race/Ethnicity |  |  |
| Non–Hispanic White | Ref | Ref |
| Non–White | 1.61 (0.76–3.42) | 1.23 (0.51–2.95) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 1.71 (0.76–3.87) | 2.07 (0.83–5.19) |
| College Graduate | 0.88 (0.38–2.00) | 0.92 (0.37–2.26) |
| Confidence in Patient-Provider Interaction (PEPPI > 45) | 0.50 (0.27–0.93) | 0.65 (0.33–1.29) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.95 (0.88–1.02) | 0.95 (0.88–1.03) |
| Patient report of anticoagulation burden (ACTS Score) | 1.07 (1.02–1.13) | **1.07 (1.01–1.12)** |

Abbreviations: PEPPI: Perceived Efficacy in Patient-Physician Interactions; ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S7. Factors associated with patient preference for engagement in SDM for initiation of anticoagulation for stroke prevention (≥8 chronic conditions, *n* = 99).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 1.90 (0.84–4.29) | 1.48 (0.59–3.71) |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | (0.66–4.63) | 2.03 (0.66–6.30) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 0.73 (0.27–1.97) | 0.68 (0.22–2.09) |
| College Graduate | 1.30 (0.44–3.82) | 1.48 (0.47–4.59) |
| Confidence in Patient-Provider Interaction (PEPPI > 45) | 0.57 (0.24–1.36) | 0.74 (0.28–1.94) |
| Patient report of anticoagulation benefit (ACTS Score) | 1.02 (0.91–1.13) | 1.06 (0.93–1.21) |
| Patient report of anticoagulation burden (ACTS Score) | 1.08 (1.00–1.16) | 1.07 (0.99–1.16) |

Abbreviations: PEPPI: Perceived Efficacy in Patient-Physician Interactions; ACTS: AntiCoagulation Treatment Satisfaction.

Table S8. Factors associated with patient preference for engagement in SDM for type of anticoagulant for stroke prevention (1–4 chronic conditions, *n* = 206).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 2.52 (1.37–4.61) | **2.36 (1.21–4.61)** |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 3.74 (1.30–10.76) | 2.11 (0.61–7.27) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 1.50 (0.64–3.50) | 1.32 (0.49–3.53) |
| College Graduate | 1.32 (0.59–2.94) | 1.44 (0.59–3.48) |
| Low self-rated health | 2.84 (1.01–7.98) | 1.90 (0.53–6.82) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.94 (0.88–1.01) | 0.95 (0.87–1.04) |
| Patient report of anticoagulation burden (ACTS Score) | 1.13 (1.06–1.20) | **1.12 (1.04–1.20)** |

Abbreviations: ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S9. Factors associated with patient preference for engagement in SDM for type of anticoagulant for stroke prevention (5–7 chronic conditions, *n* = 199).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 1.41 (0.79–2.51) | 1.63 (0.82–3.25) |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 3.42 (1.59–7.34) | **3.10 (1.27–7.58)** |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 2.20 (0.92–5.26) | **2.85 (1.04–7.78)** |
| College Graduate | 1.31 (0.55–3.15) | 1.62 (0.61–4.35) |
| Low self-rated health | 1.86 (0.81–4.28) | 1.20 (0.45–3.21) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.96 (0.89–1.04) | 0.98 (0.90–1.07) |
| Patient report of anticoagulation burden (ACTS Score) | 1.08 (1.03–1.13) | **1.10 (1.04–1.16)** |

Abbreviations: ACTS: AntiCoagulation Treatment Satisfaction. Bold text indicates statistically significant results with *p* < 0.05.

Table S10. Factors associated with patient preference for engagement in SDM for type of anticoagulant for stroke prevention (≥8 chronic conditions, *n* = 100).

|  |  |  |
| --- | --- | --- |
| **Participant Characteristics** | **Crude Model**  **OR (95% CI)** | **Multivariable Model**  **OR (95% CI)** |
| Age |  |  |
| ≥75 years | Ref | Ref |
| 65–74 years | 2.67 (1.12–6.33) | 2.29 (0.88–5.95) |
| Race/Ethnicity |  |  |
| Non-Hispanic White | Ref | Ref |
| Non-White | 1.08 (0.39–2.98) | 0.88 (0.27–2.90) |
| Education (%) |  |  |
| Some college | Ref | Ref |
| ≤High school | 1.23 (0.43–3.56) | 1.40 (0.44–4.45) |
| College Graduate | 1.66 (0.53–5.22) | 2.13 (0.63–7.21) |
| Low self-rated health | 1.17 (0.48–2.83) | 0.84 (0.29–2.44) |
| Patient report of anticoagulation benefit (ACTS Score) | 0.93 (0.84–1.04) | 0.96 (0.84–1.09) |
| Patient report of anticoagulation burden (ACTS Score) | 1.07 (0.99–1.14) | 1.06 (0.98–1.15) |

Abbreviations: ACTS: AntiCoagulation Treatment Satisfaction.