S9 Coding   
use 2019 Edited\_data\_mat\_survey\_13,264x93 subset.dta  
  
**NULL MODEL AND ESTIMATE CLUSTERING EFFECTS BY TRUST**

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**TRUST MEASURES OF STAFFING   
With covariates explained in methodology**  
melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth FTEper100births ||TrustCode:, or  
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**Testing model fit with additional covariates**melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth FTEper100births **Response\_rate** ||TrustCode:, or  
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**POSTNATAL WARD STAFFING MEASURE**

**Staff as individual staff groups**

melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke ||TrustCode:, or  
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melogit Kind\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke ||TrustCode:, or  
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**Testing model fit with additional covariates**melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke **Response\_rate** ||TrustCode:, or  
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melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke **annualbirthsHES** ||TrustCode:, or  
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melogit Info\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke **annualbirthsHES** ||TrustCode:, or   
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melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke **OG100births** ||TrustCode:, or  
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melogit Help\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke **OG100births** ||TrustCode:, or  
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**This model has been reported in the paper as medical staff has improved model fit in ward level models.**

Overall staffing  
  
**With covariates explained in methodology**

melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered ||TrustCode:, or  
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melogit Kind\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered ||TrustCode:, or  
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**Testing model fit with additional covariates**  
melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered **Response\_rate** ||TrustCode:, or  
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melogit Help\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered **Response\_rate** ||TrustCode:, or  
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melogit Kind\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered **Response\_rate** ||TrustCode:, or  
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melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered **annualbirthsHES** ||TrustCode:, or  
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melogit Info\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered **annualbirthsHES** ||TrustCode:, or  
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melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDOverall percentage\_Registered **OG100births** ||TrustCode:, or  
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Repeated analyses with staffing in tertilesmelogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth i.tertile\_FTEper100births ||TrustCode:, or  
melogit Help\_binary ib3.Age\_group i.Parity white i.Typebirth i.tertile\_FTEper100births ||TrustCode:, or  
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melogit Kind\_binary ib3.Age\_group i.Parity white i.Typebirth i.tertile\_FTEper100births ||TrustCode:, or

melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth i.tertile\_overallCHPPD i.tertile\_perc\_registered OG100births ||TrustCode:, or  
melogit Help\_binary ib3.Age\_group i.Parity white i.Typebirth i.tertile\_overallCHPPD i.tertile\_perc\_registered OG100births ||TrustCode:, or  
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melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth i.TertileRegCHPPD i.TertileSupportCHPPD OG100births ||TrustCode:, or  
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**Sensitivity analyses for removing outliers**

melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegOutliersremoved CHPPDSupportOutliersremoved OG100births ||TrustCode:, or  
  
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melogit Kind\_binary ib3.Age\_group i.Parity white i.Typebirth CHPPDRegOutliersremoved CHPPDSupportOutliersremoved OG100births ||TrustCode:, or

**Sensitivity analysis using alternative coding of yes and no for the models presented in the paper**

melogit Help\_alternative ib3.Age\_group i.Parity white i.Typebirth FTEper100births ||TrustCode:, or  
  
melogit Info\_alternative ib3.Age\_group i.Parity white i.Typebirth FTEper100births ||TrustCode:, or  
  
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melogit Help\_alternative ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke OG100births ||TrustCode:, or  
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melogit Kind\_alternative ib3.Age\_group i.Parity white i.Typebirth CHPPDRegisteredNursesandMi CHPPDHealthcareSupportWorke OG100births ||TrustCode:, or

**Interactions**

melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth i.TertileRegCHPPD i.TertileSupportCHPPD OG100births ||TrustCode:, or  
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melogit No\_delay\_binary ib3.Age\_group i.Parity white i.Typebirth **i.TertileRegCHPPD##i.TertileSupportCHPPD** OG100births ||TrustCode:, or  
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melogit Help\_binary ib3.Age\_group i.Parity white i.Typebirth i.TertileRegCHPPD i.TertileSupportCHPPD OG100births ||TrustCode:, or  
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melogit Help\_binary ib3.Age\_group i.Parity white i.Typebirth **i.TertileRegCHPPD##i.TertileSupportCHPPD** OG100births ||TrustCode:, or  
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