SUPPLEMENTAL MATERIALS

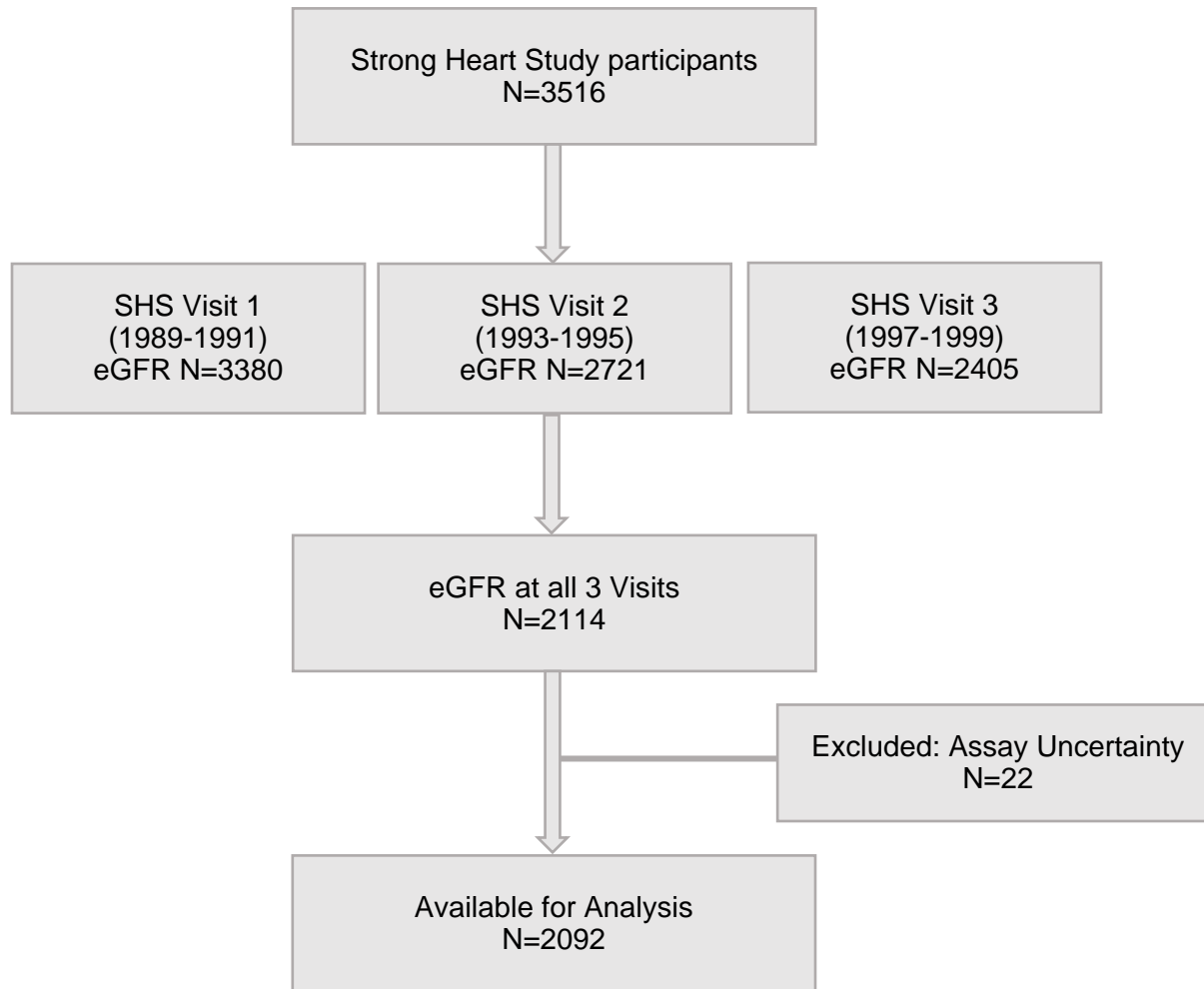CONTENTS:

CONSORT Diagram: Selection of Cohort Participant Data for Inclusion in Analyses

```
                    ┌─────────────────────────────┐
                    │  Strong Heart Study          │
                    │  participants                │
                    │  N=3516                      │
                    └─────────────┬───────────────┘
                                  │
    ┌──────────────────┐  ┌───────▼──────────┐  ┌──────────────────┐
    │  SHS Visit 1     │  │  SHS Visit 2     │  │  SHS Visit 3     │
    │  (1989-1991)     │  │  (1993-1995)     │  │  (1997-1999)     │
    │  eGFR N=3380     │  │  eGFR N=2721     │  │  eGFR N=2405     │
    └──────────────────┘  └───────┬──────────┘  └──────────────────┘
                                  │
                    ┌─────────────▼───────────────┐
                    │  eGFR at all 3 Visits        │
                    │  N=2114                      │
                    └─────────────┬───────────────┘
                                  │        ┌──────────────────────────────┐
                                  ├────────│  Excluded: Assay Uncertainty │
                                  │        │  N=22                        │
                                  │        └──────────────────────────────┘
                    ┌─────────────▼───────────────┐
                    │  Available for Analysis      │
                    │  N=2092                      │
                    └─────────────────────────────┘
```
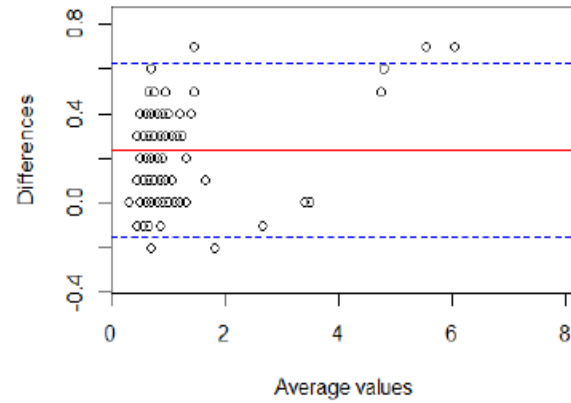
Quality control plots from Deming regressions
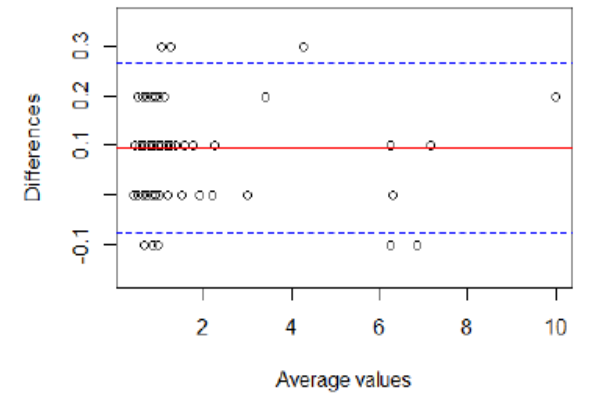

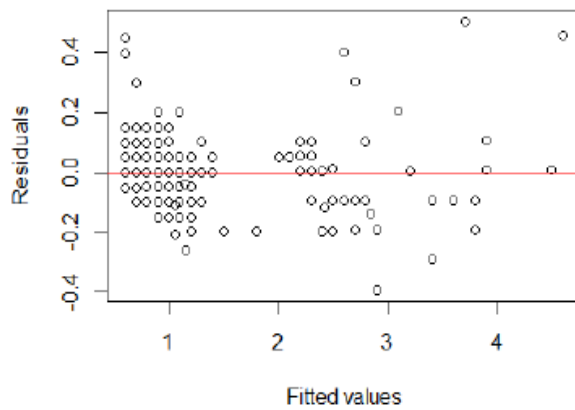Bland-Altman plot - SHS S1
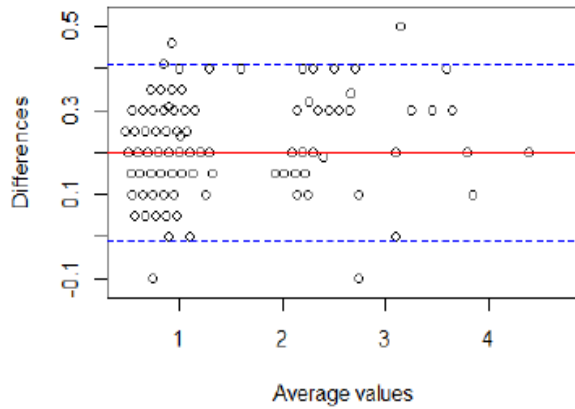
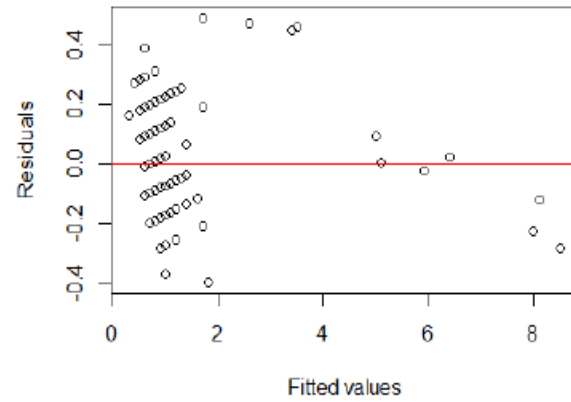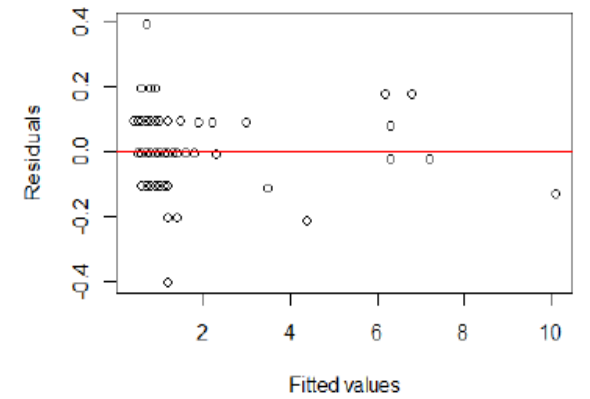Bland-Altman plot - SHS S2

Bland-Altman plot - SHS S3

Residual vs Fitted values for Deming Regression

Residual vs Fitted values for Deming Regression

Residual vs Fitted values for Deming Regression

3

SUPPLEMENTAL MATERIALS

Sensitivity Analyses: Cox Models for CKD exposure, but without adjustment for slope, to ensure that lack of associations in primary models are not an issue of power: model adjusted for age; sex; and field center

	Exposure: CKD		
Outcome	Hazard Ratio	95% CI	*P-value*
Mortality	2.43	(2.00-2.96)	*<0.001*
All CVD	1.23	(0.96-1.57)	*0.099*
Stroke	1.74	(1.17-2.58)	*0.006*
CHF	1.47	(1.02-2.12)	*0.039*