SETTINGS

Scenario: 1111

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

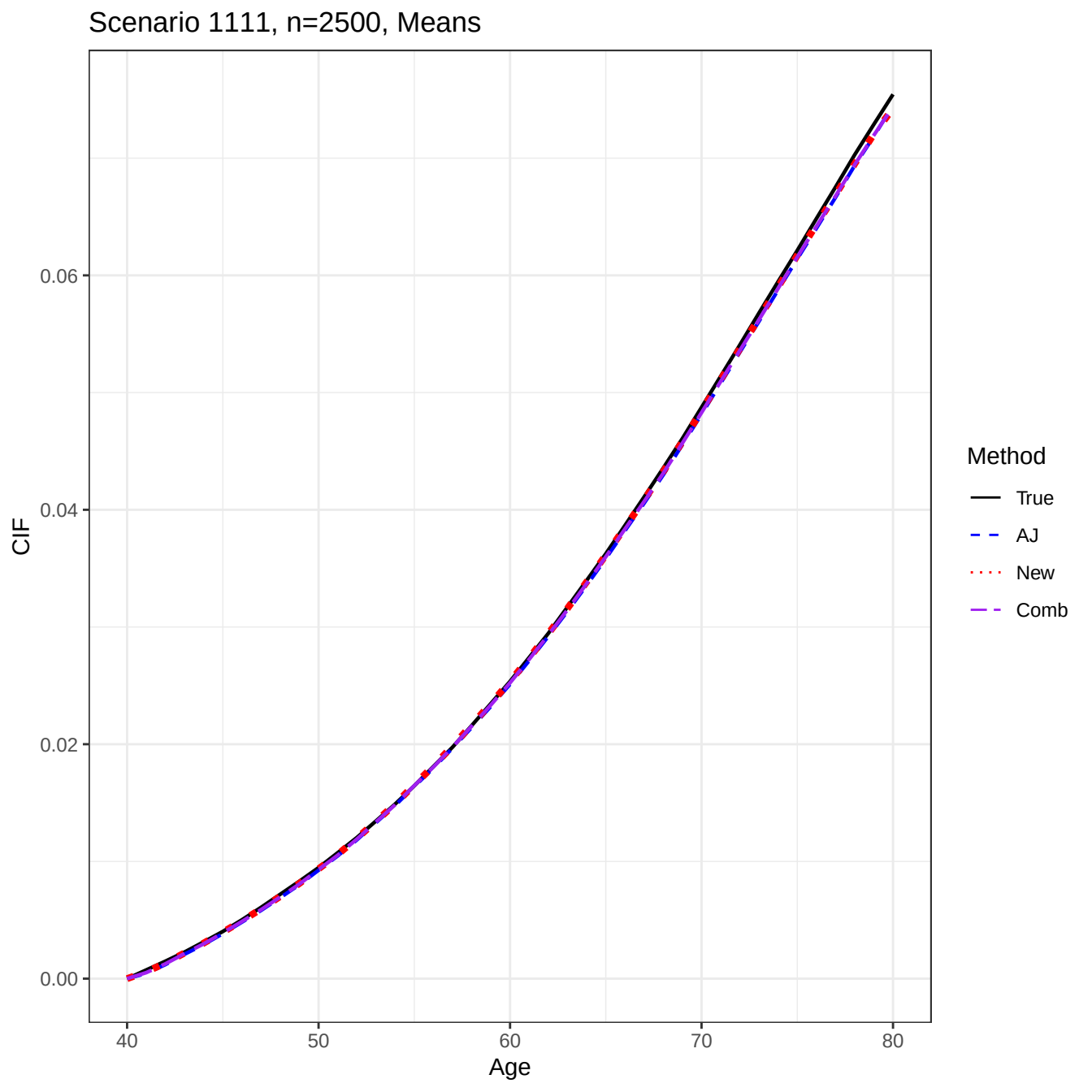
transformation: 0.5*pi − asin(sqrt(1−u))

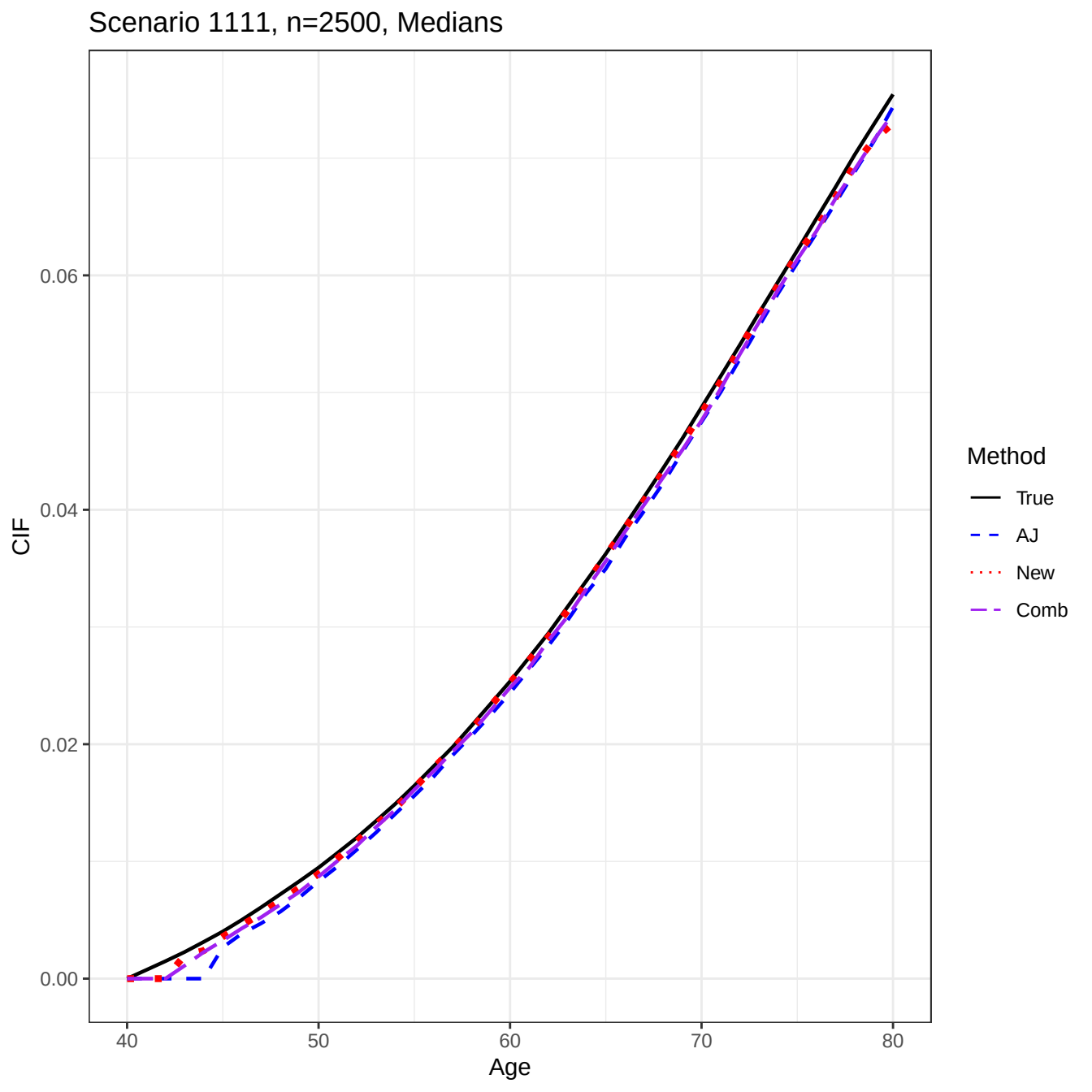
pointwise CI's done by: normal−theory

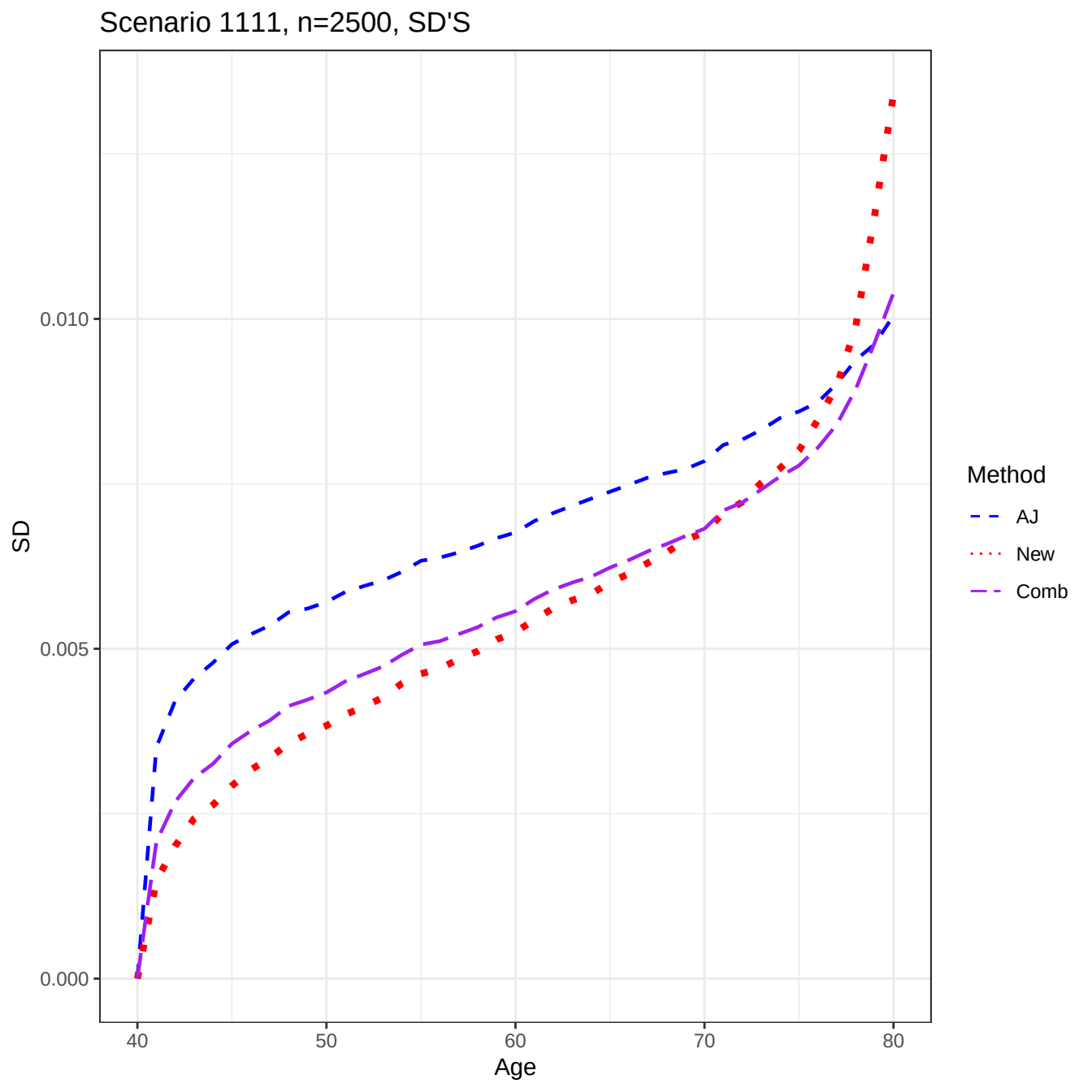
auxflg = FALSE

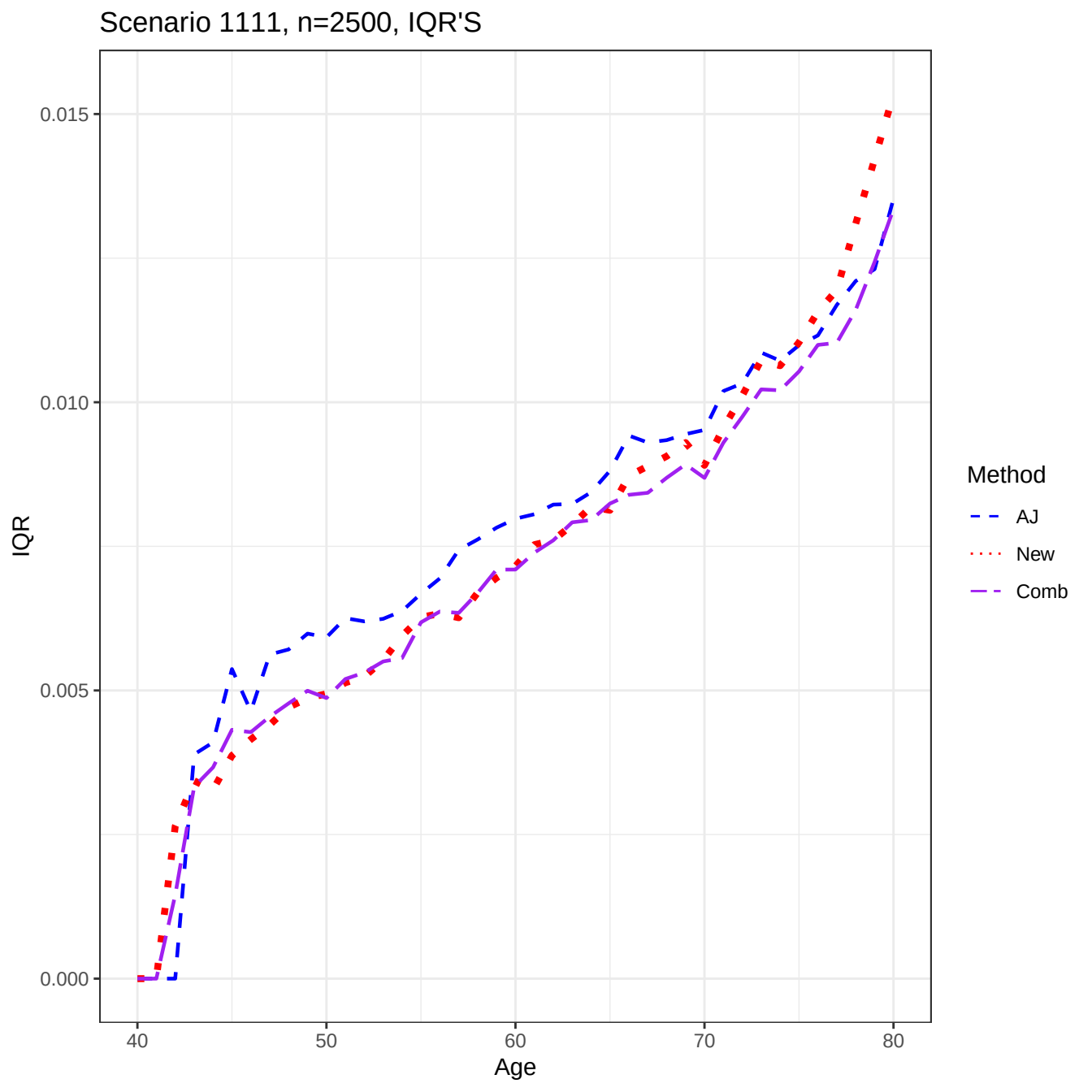
bootstrap weights: normal

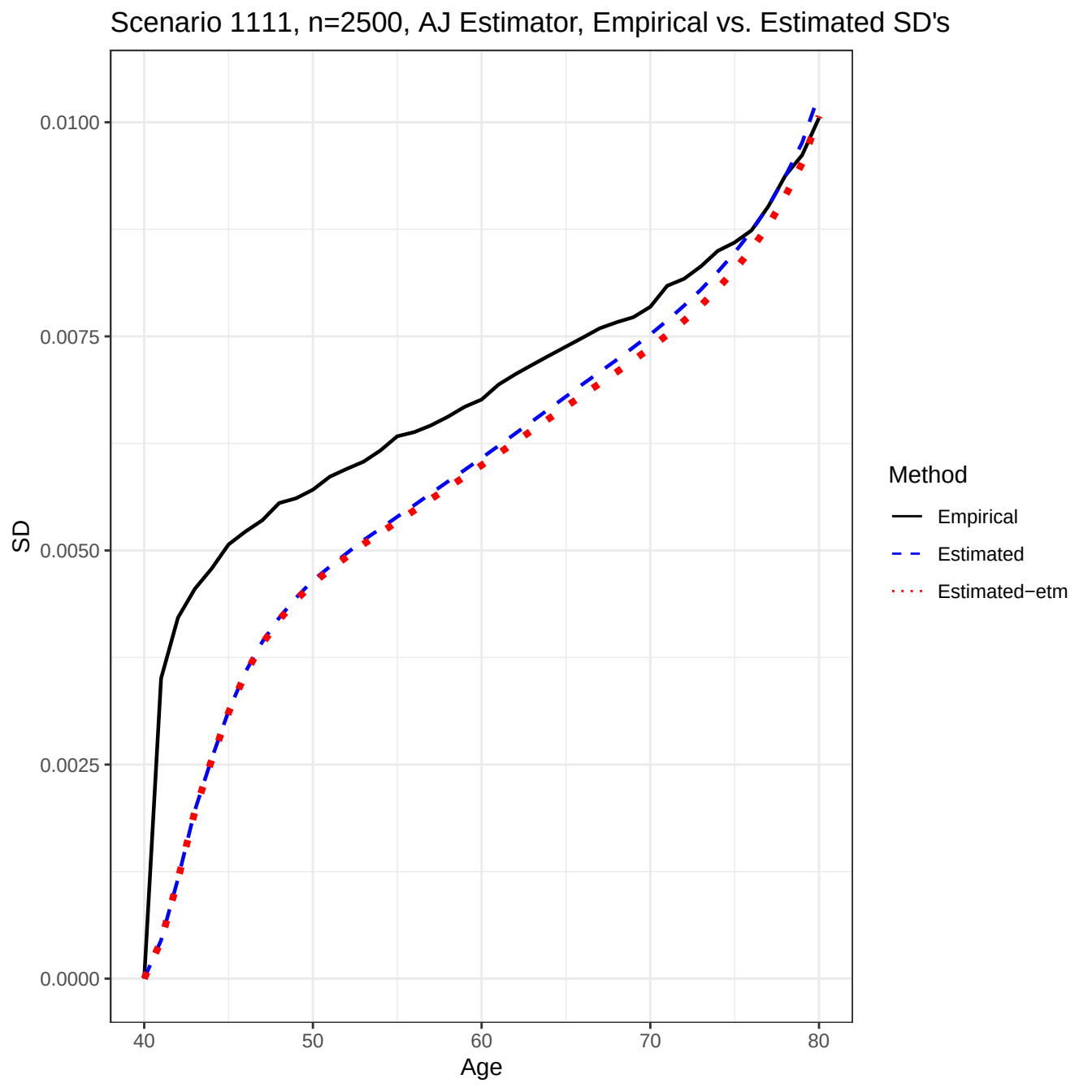
Date/Time: 2024−01−11 21:23:01.701094

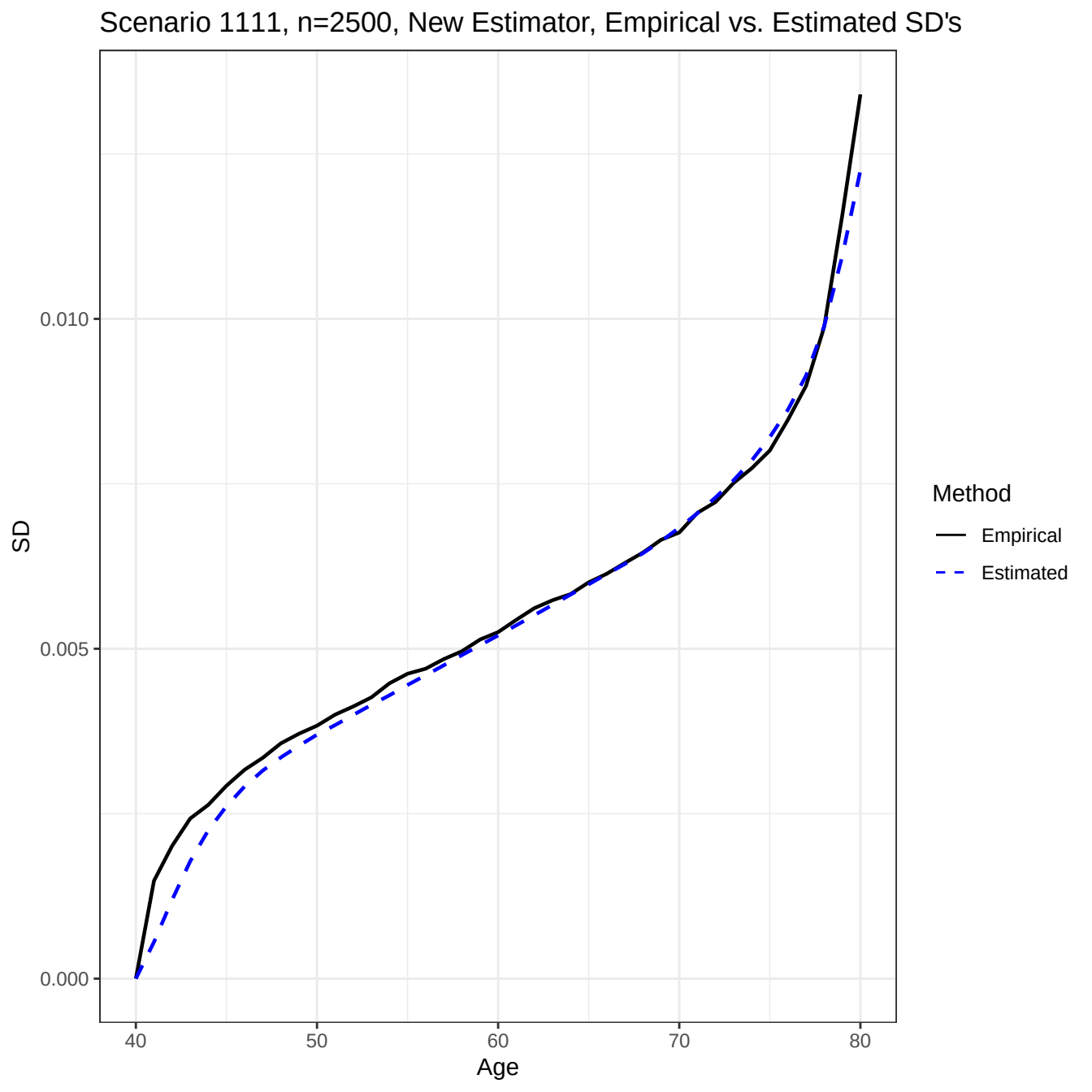

Scenario 1111, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

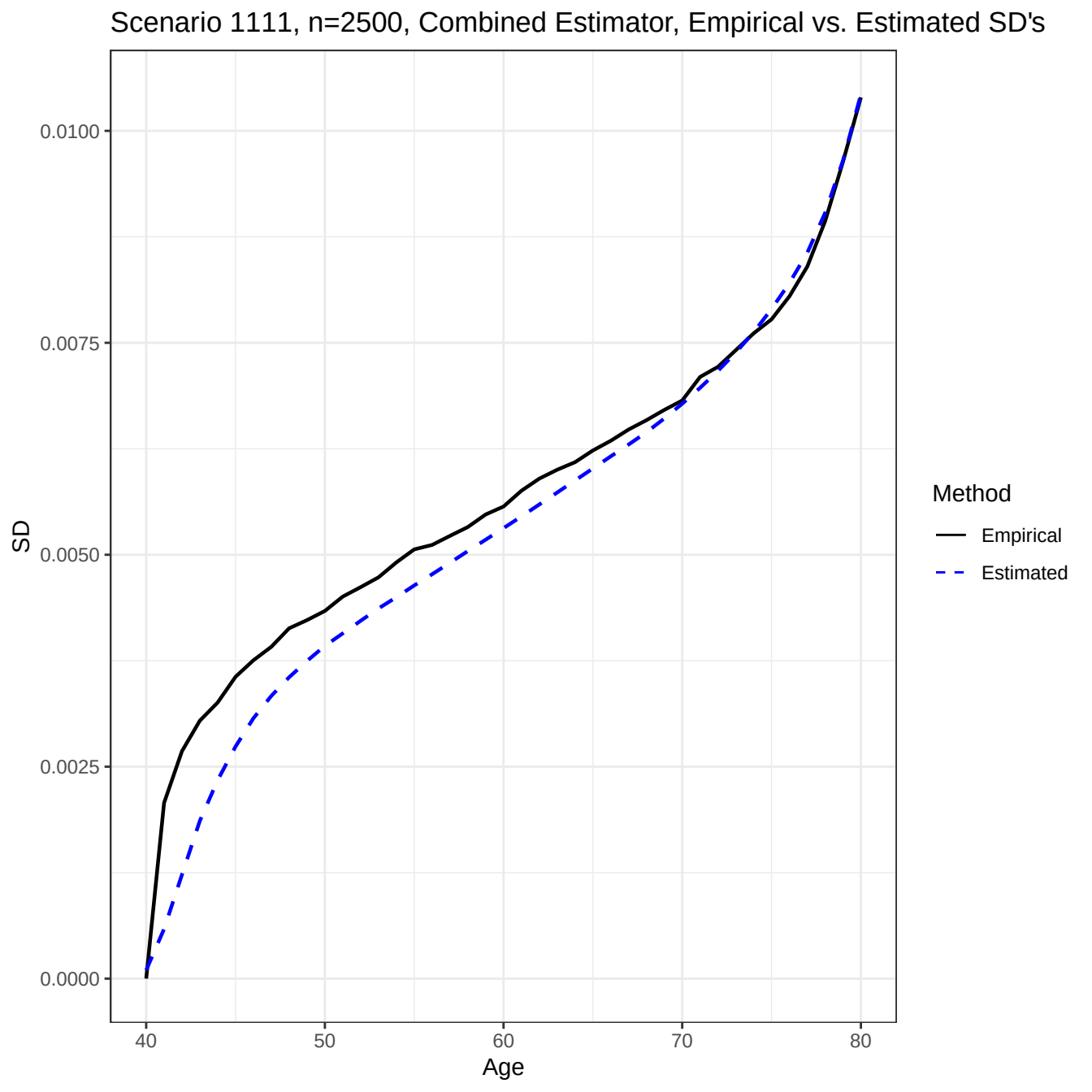

Scenario 1111, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

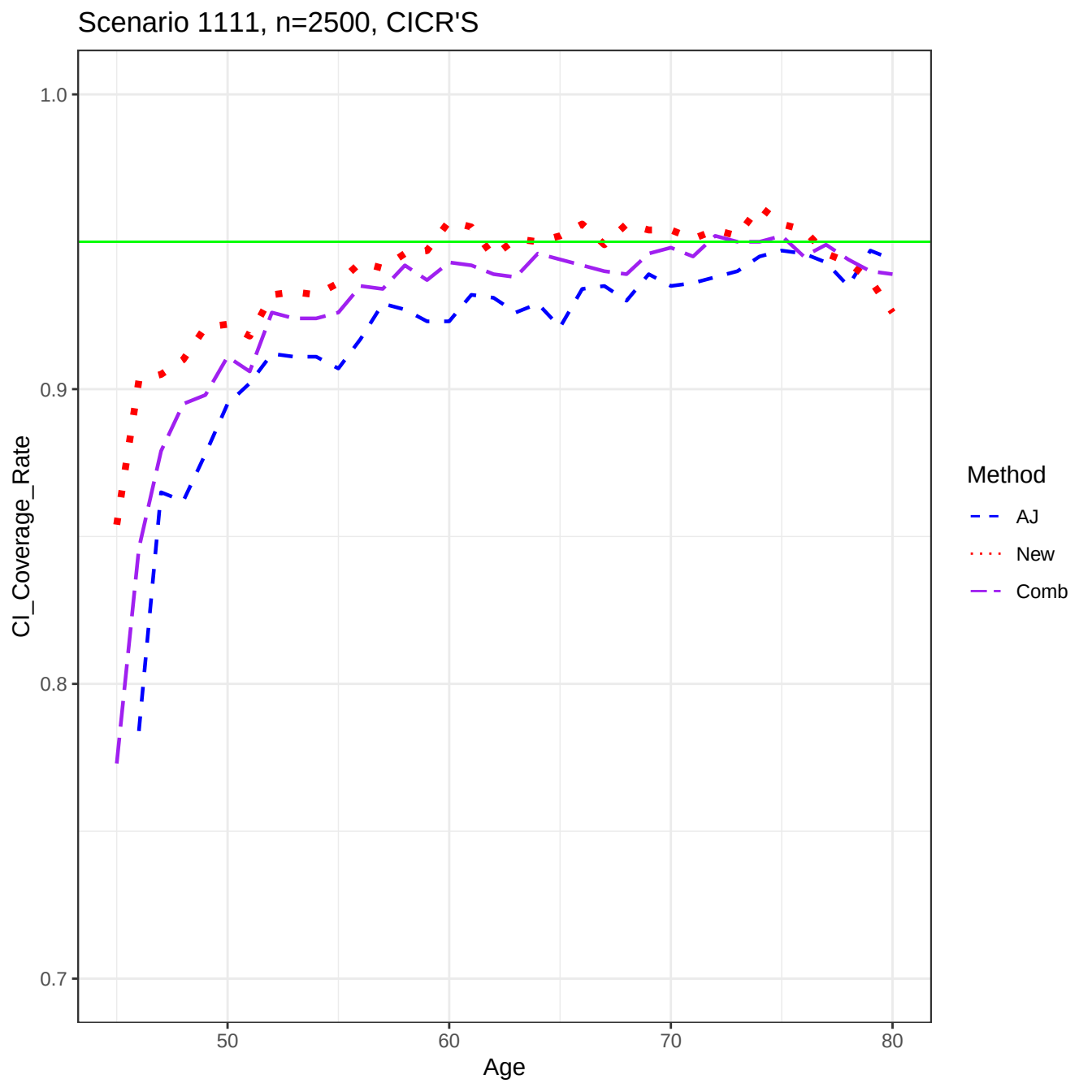

Scenario 1111, n=2500, SD'S
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

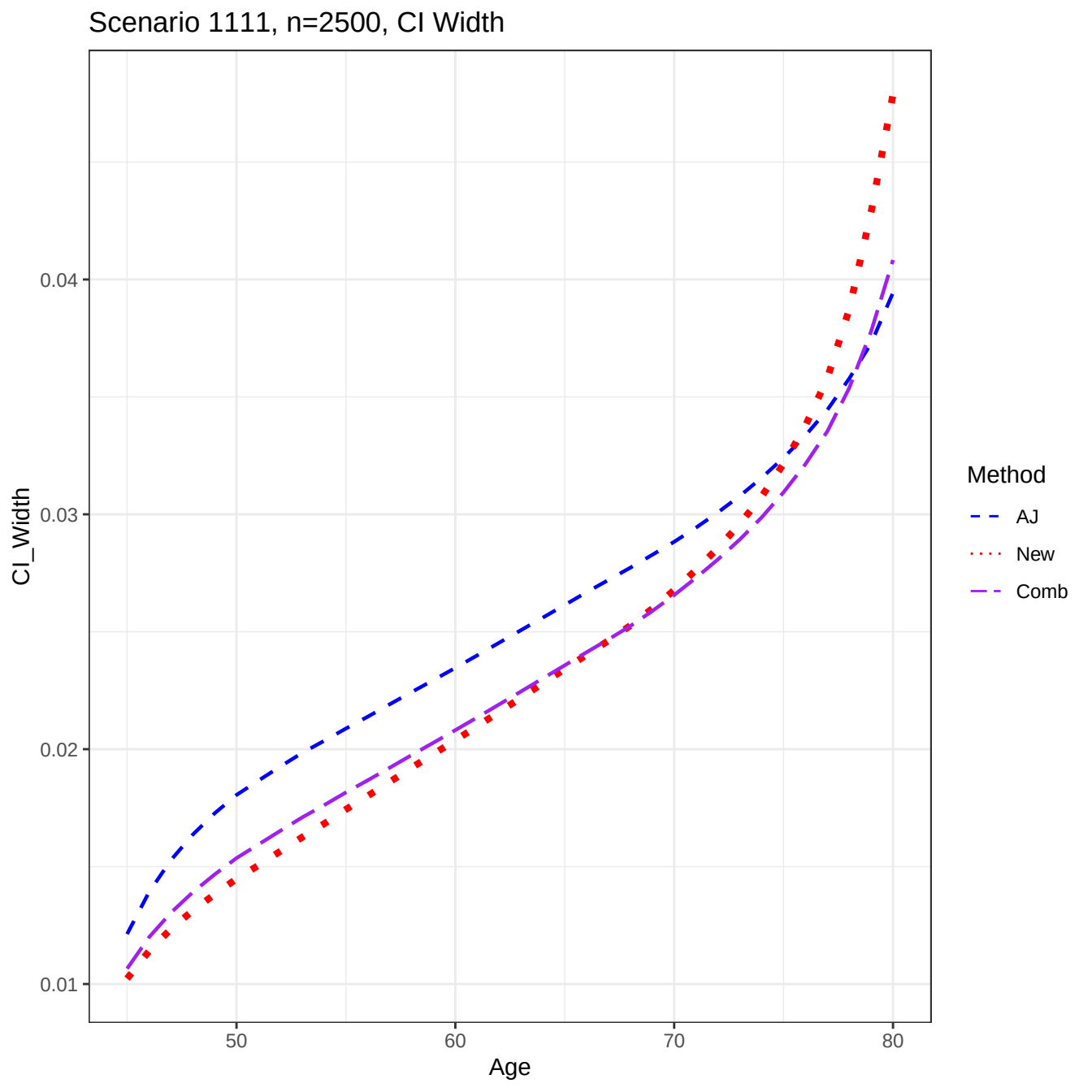

Scenario 1111, n=2500, IQR'S
0.015
0.010
0.005
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1111, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1111, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1111, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1111, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1111, n=2500, CI Width
CI_Width
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

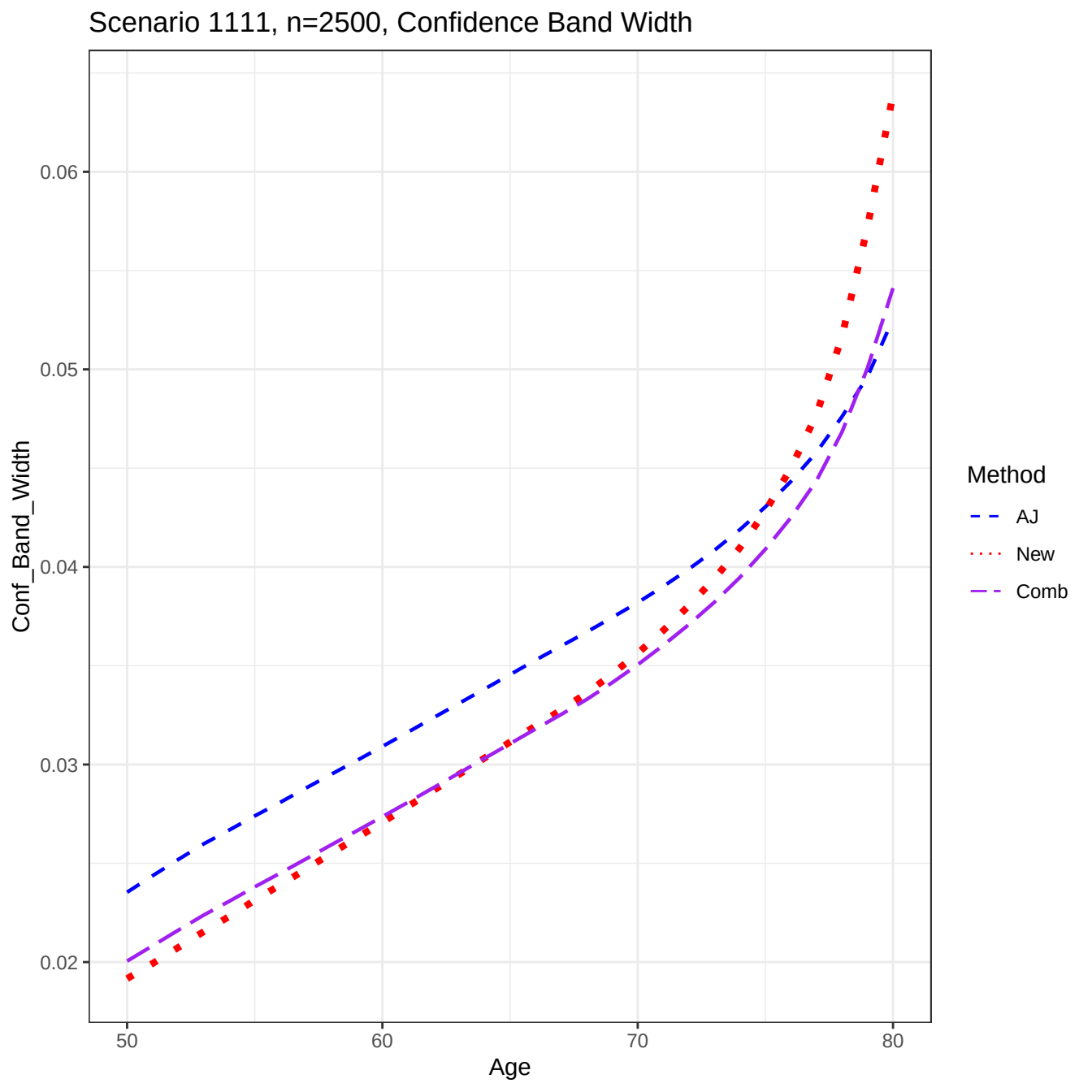
CONFIDENCE BAND COVERAGE RATES

Scenario: 1111

AJ: 0.901

new: 0.912

Combo: 0.9


Scenario 1111, n=2500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1112

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

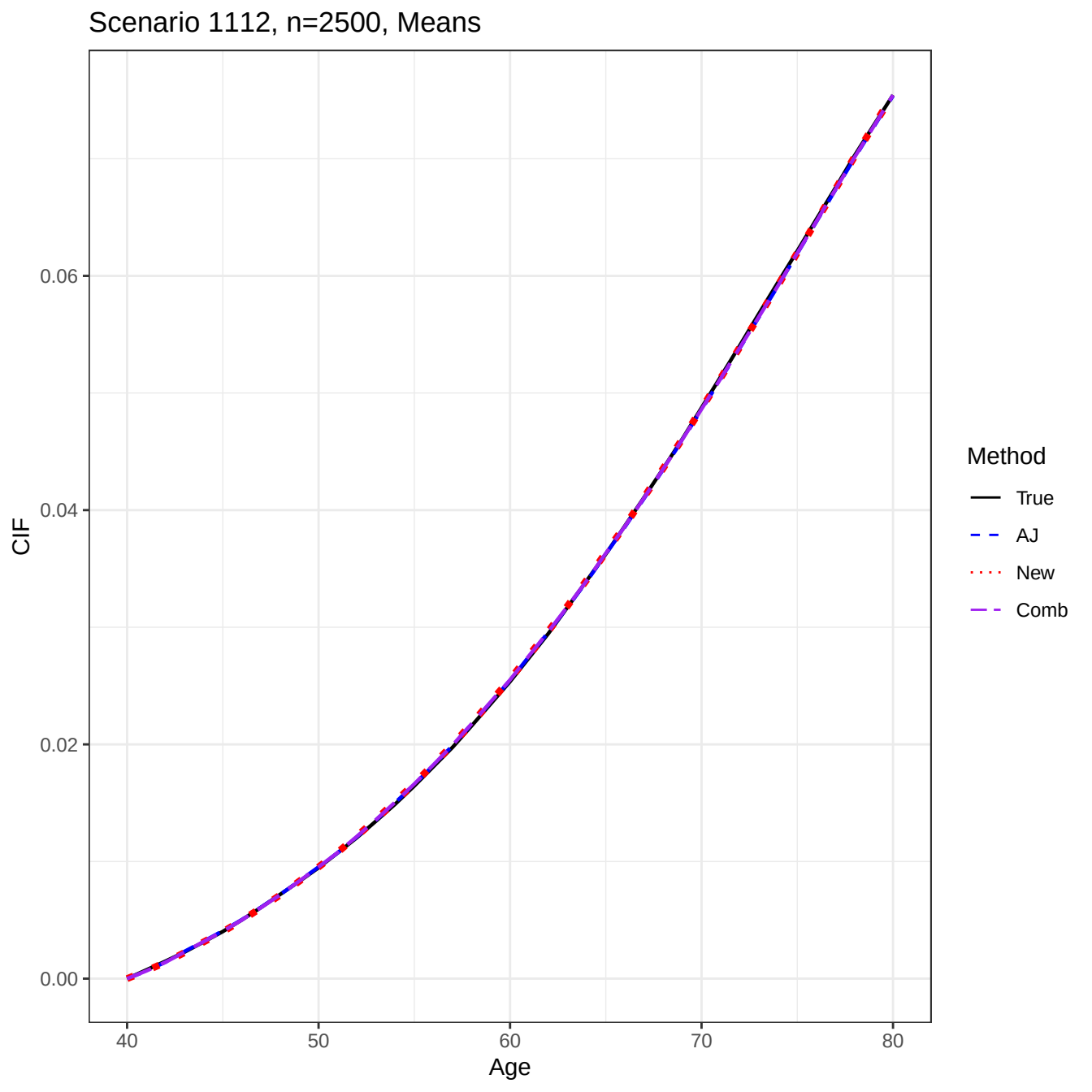
transformation: 0.5*pi − asin(sqrt(1−u))

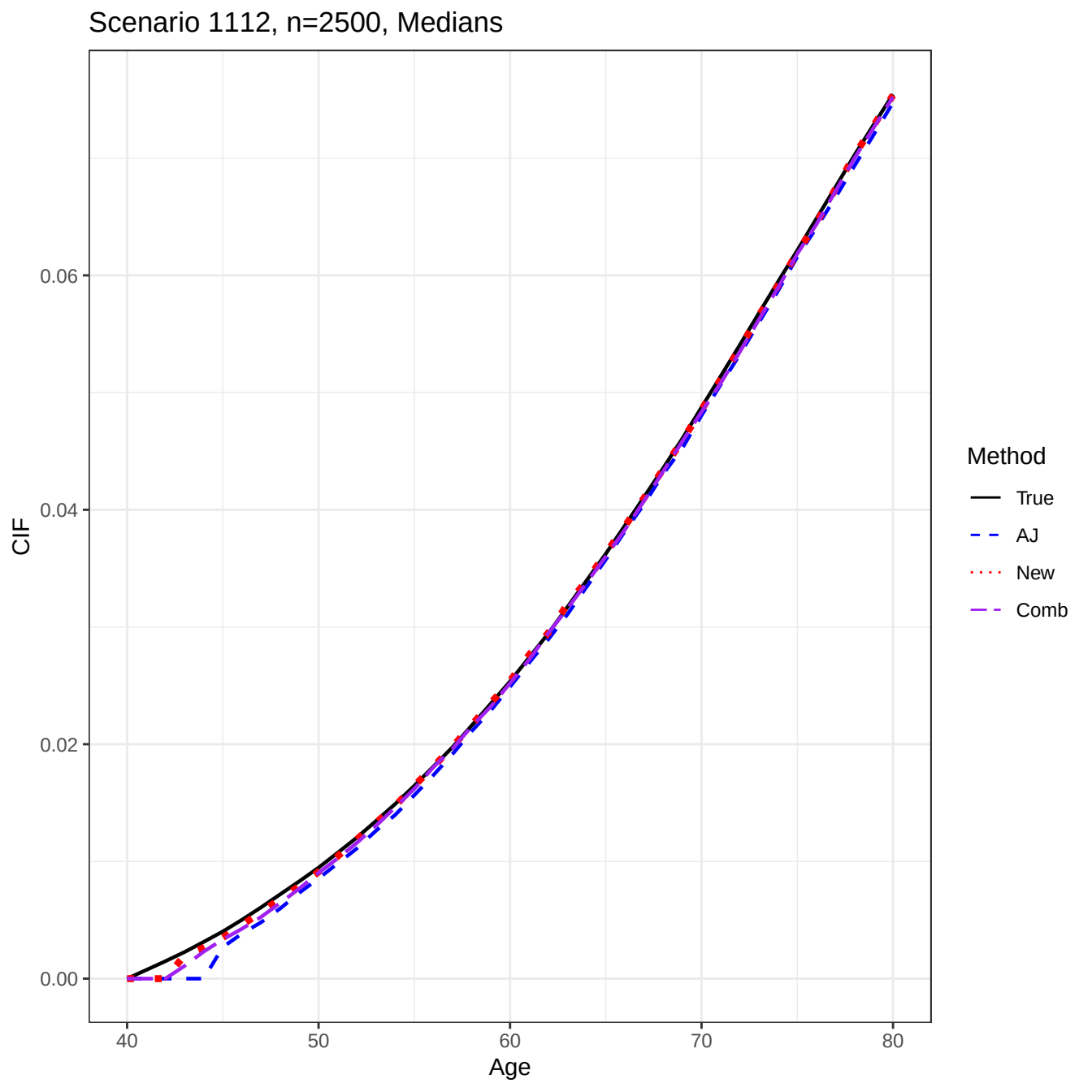
pointwise CI's done by: normal−theory

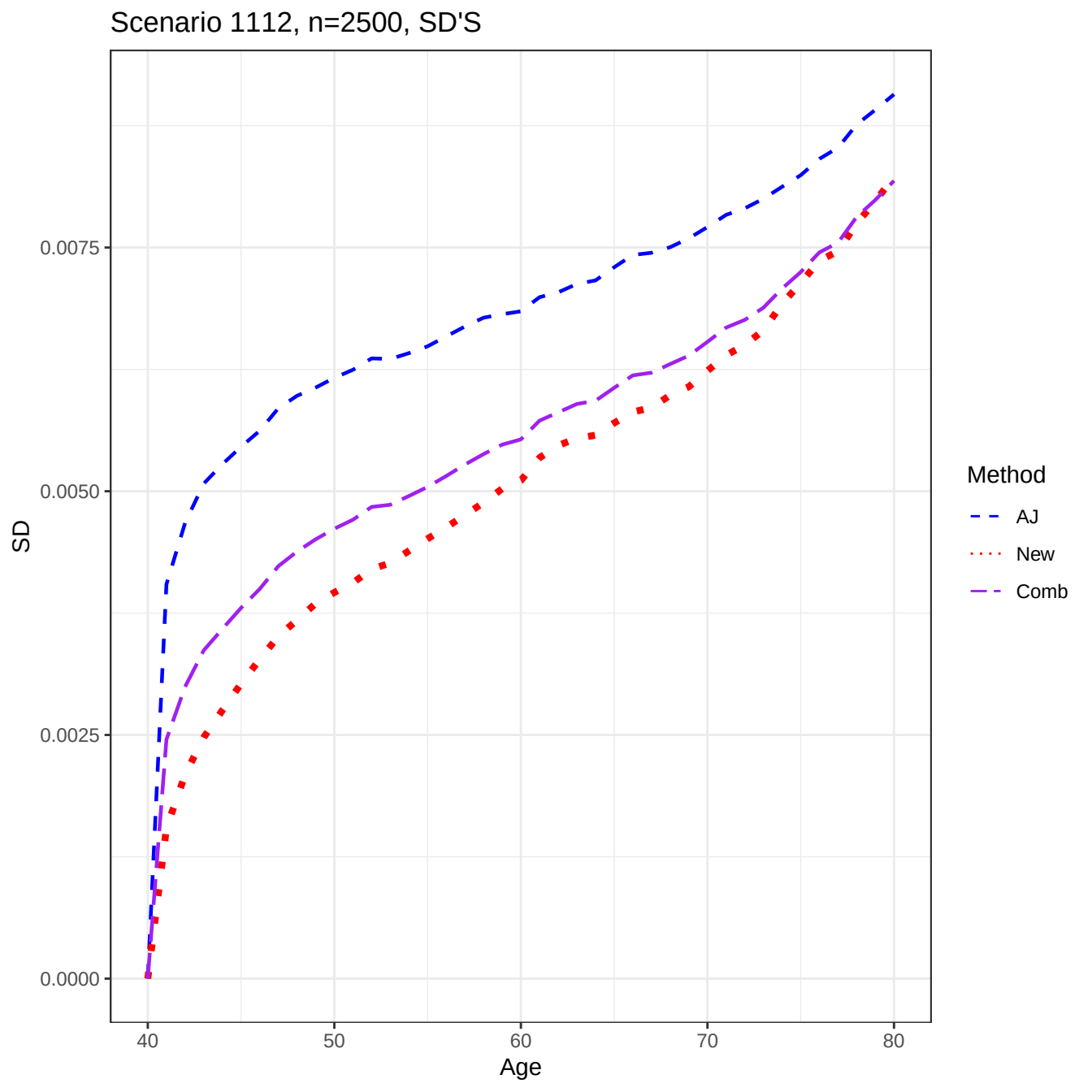
auxflg = FALSE

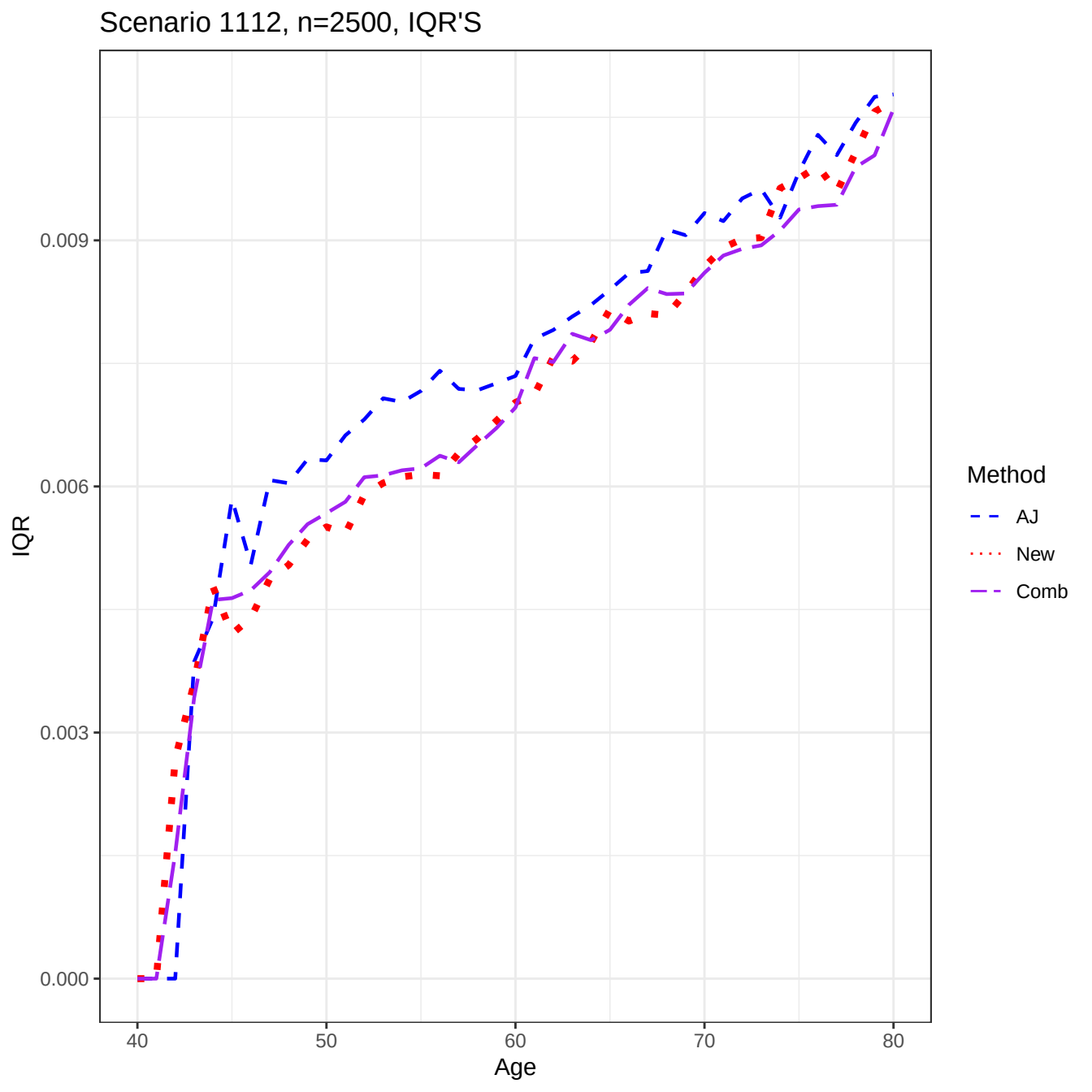
bootstrap weights: normal

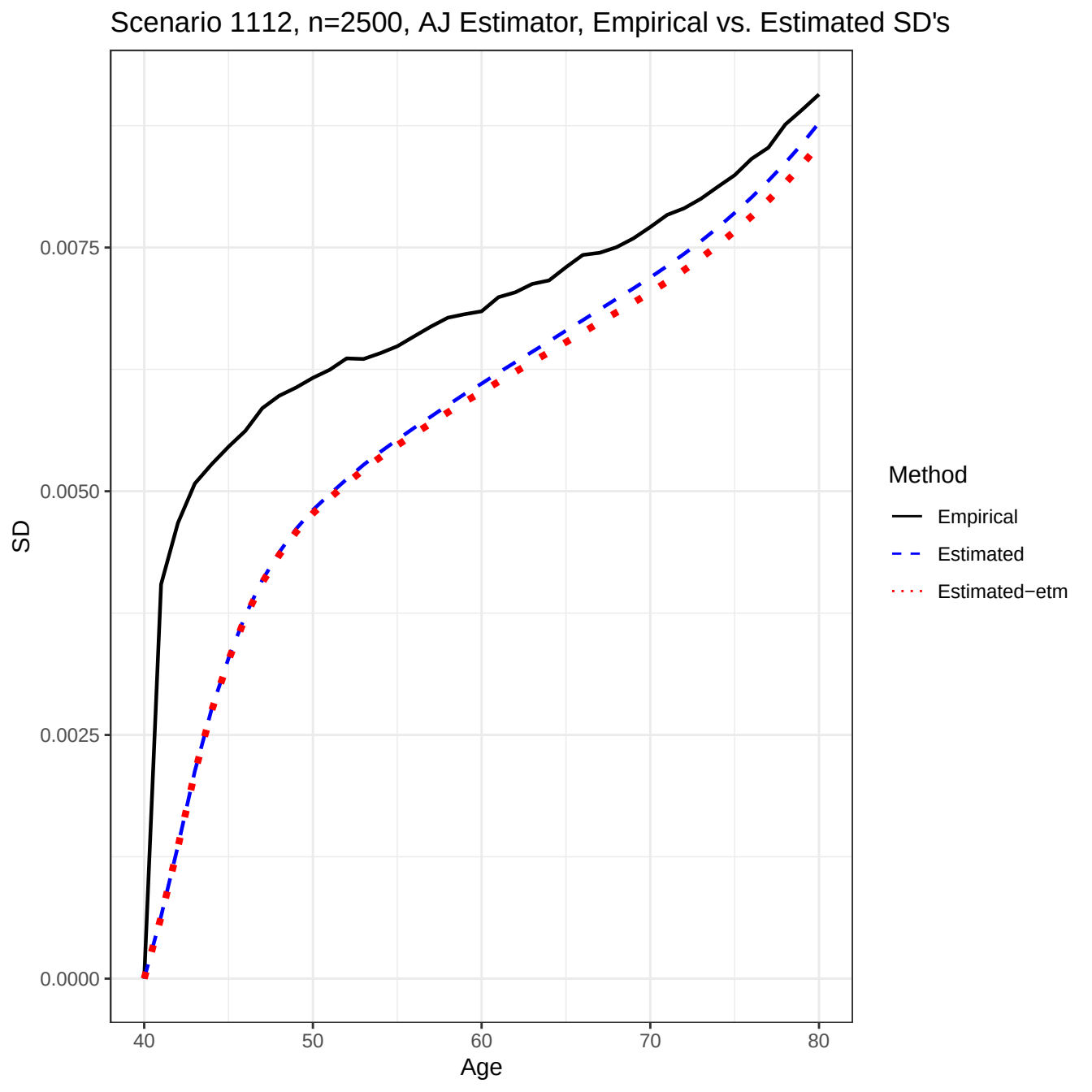
Date/Time: 2024−01−12 12:13:51.782744

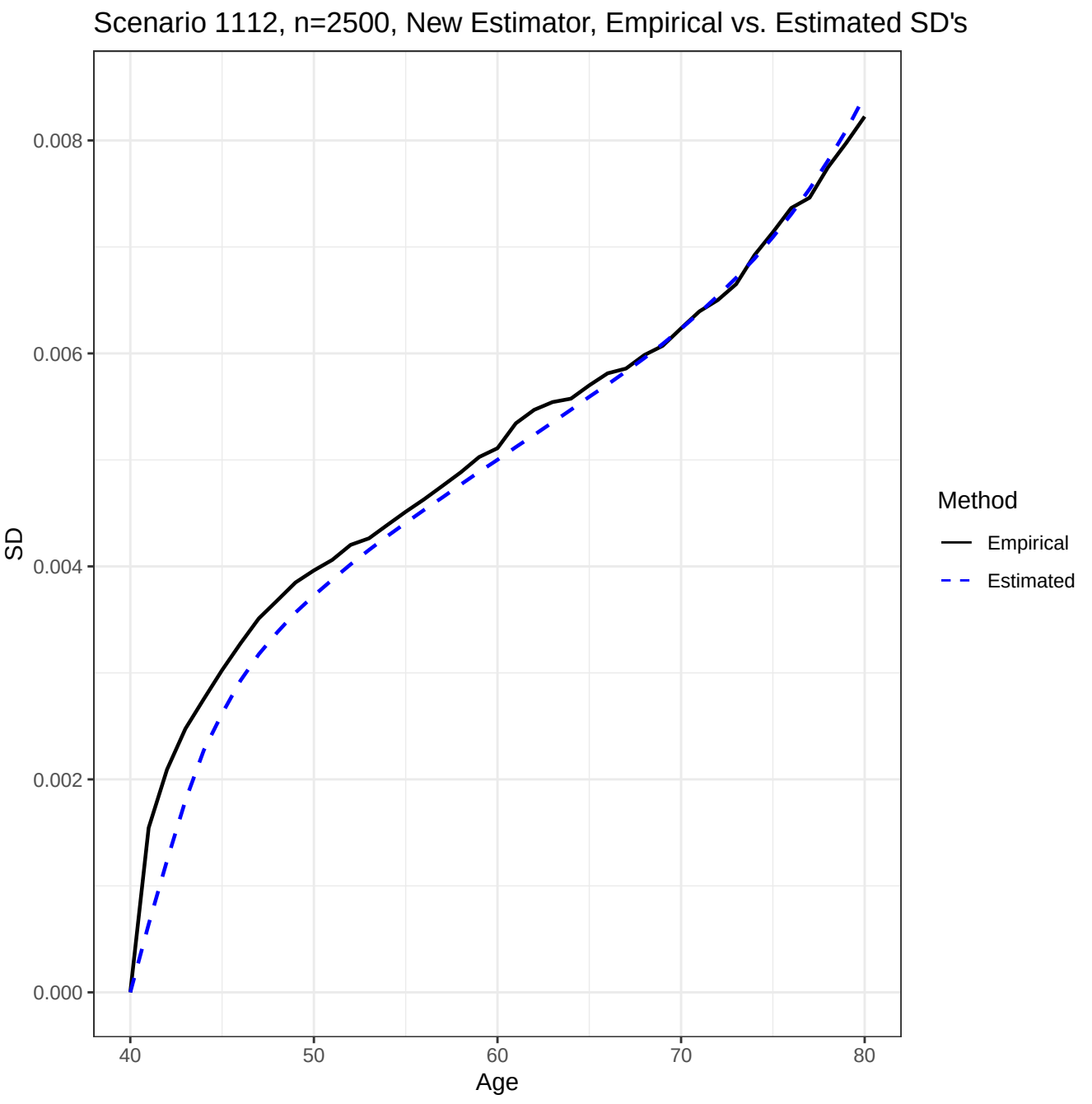

Scenario 1112, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

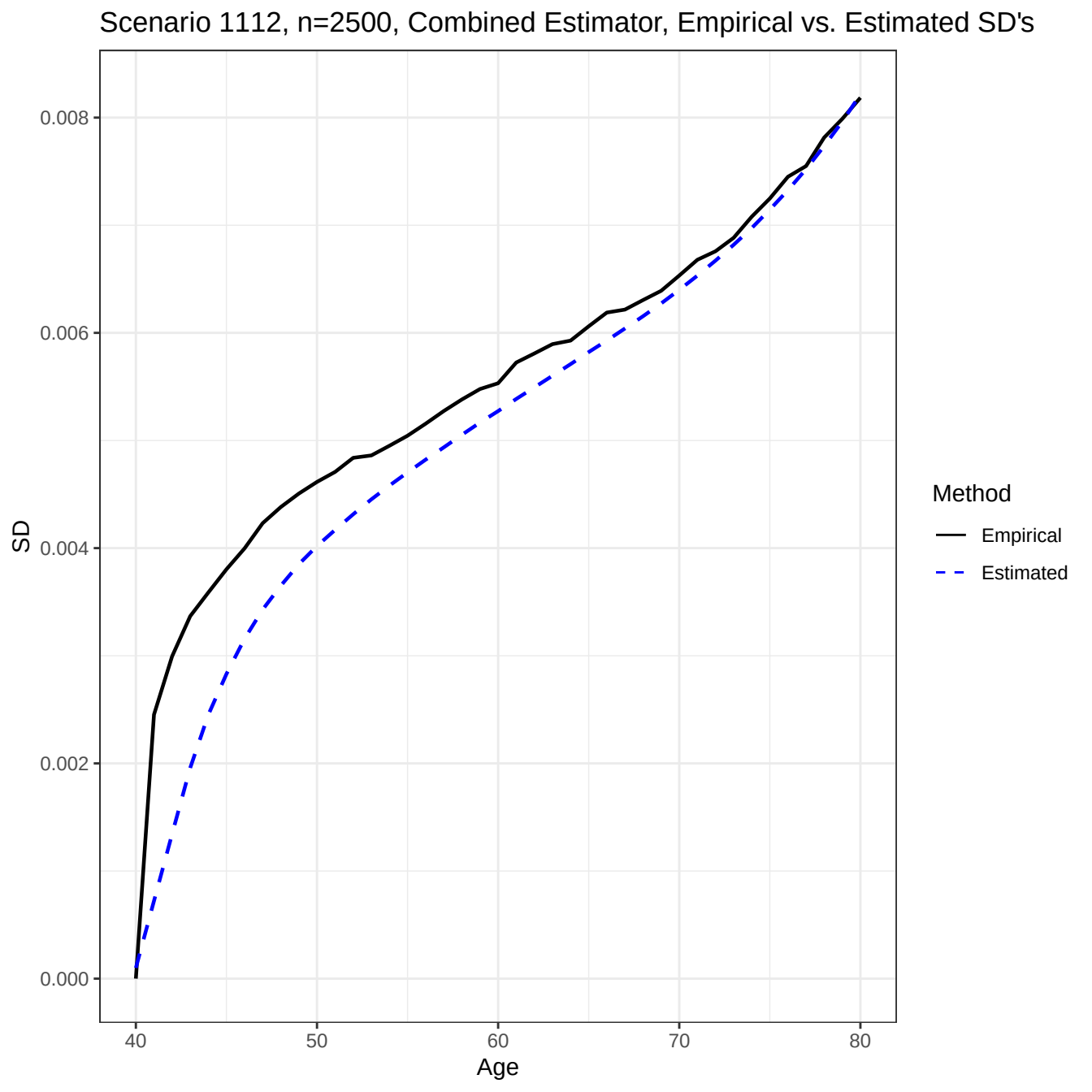

Scenario 1112, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

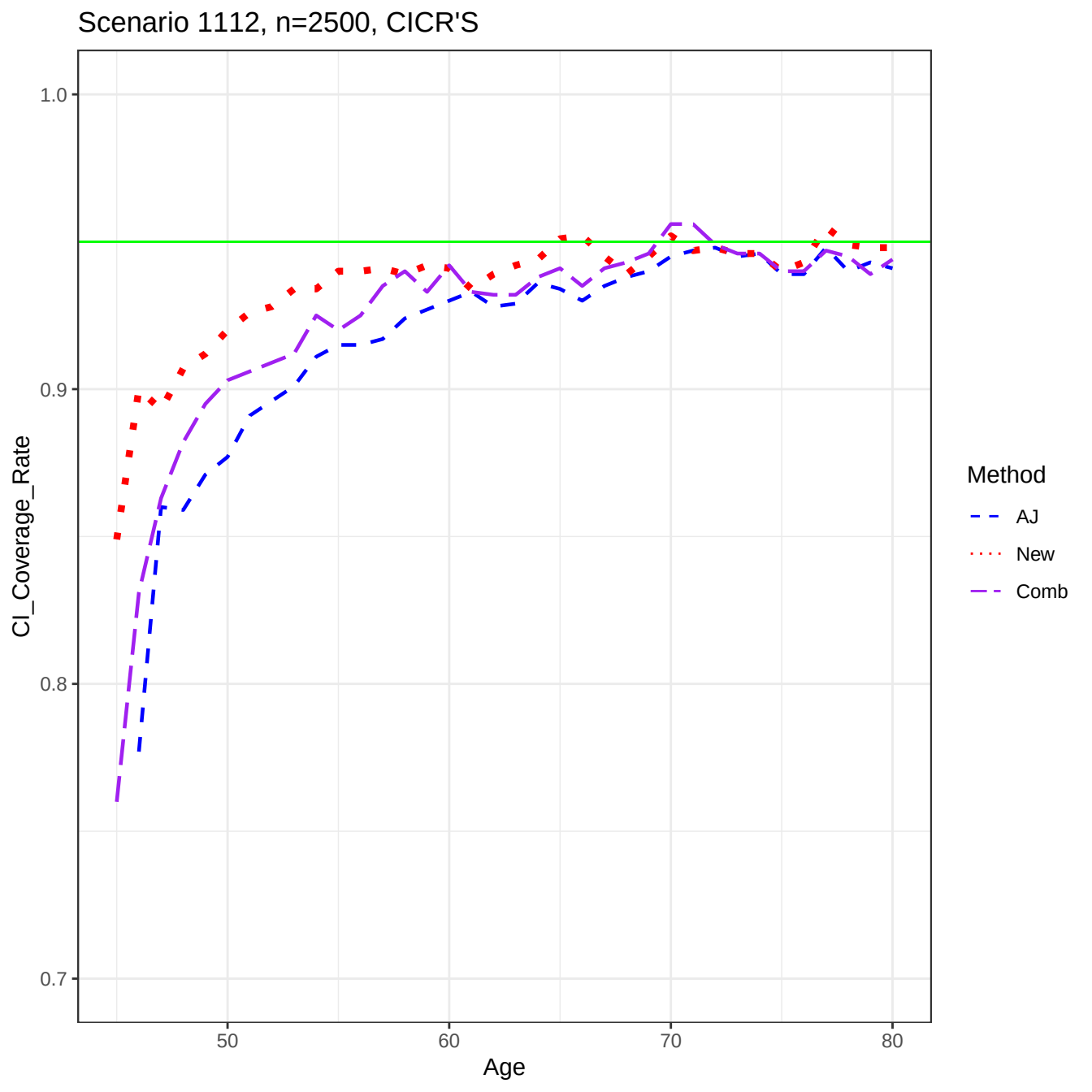

Scenario 1112, n=2500, SD'S
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb

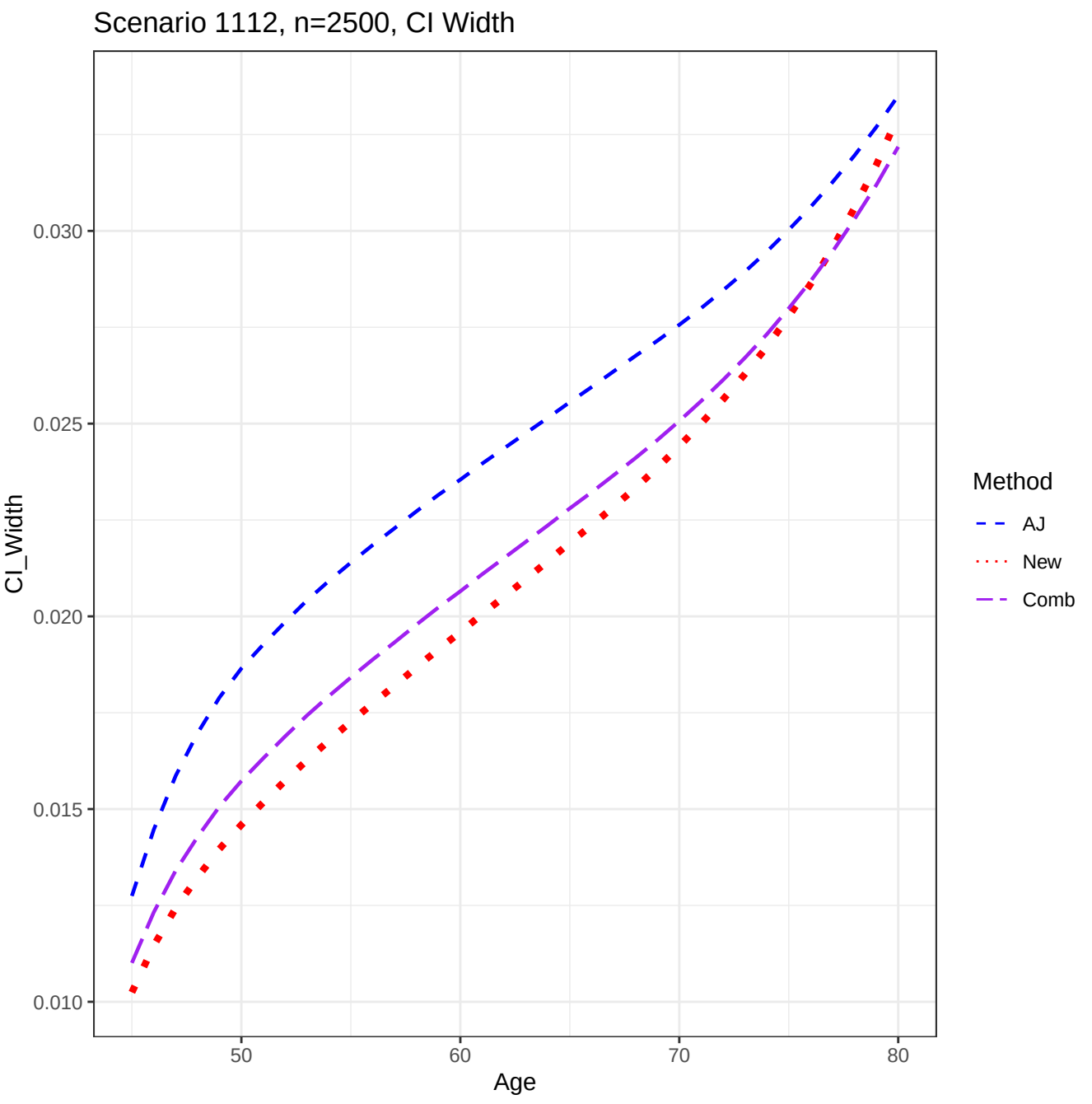

Scenario 1112, n=2500, IQR'S
IQR
0.000
0.003
0.006
0.009
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1112, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1112, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.008
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1112, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.008
0.006
0.004
0.002
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1112, n=2500, CICR'S
CI_Coverage_Rate
1.0
0.9
0.8
0.7
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1112, n=2500, CI Width
CI_Width
0.030
0.025
0.020
0.015
0.010
50
60
70
80
Age
Method
AJ
New
Comb

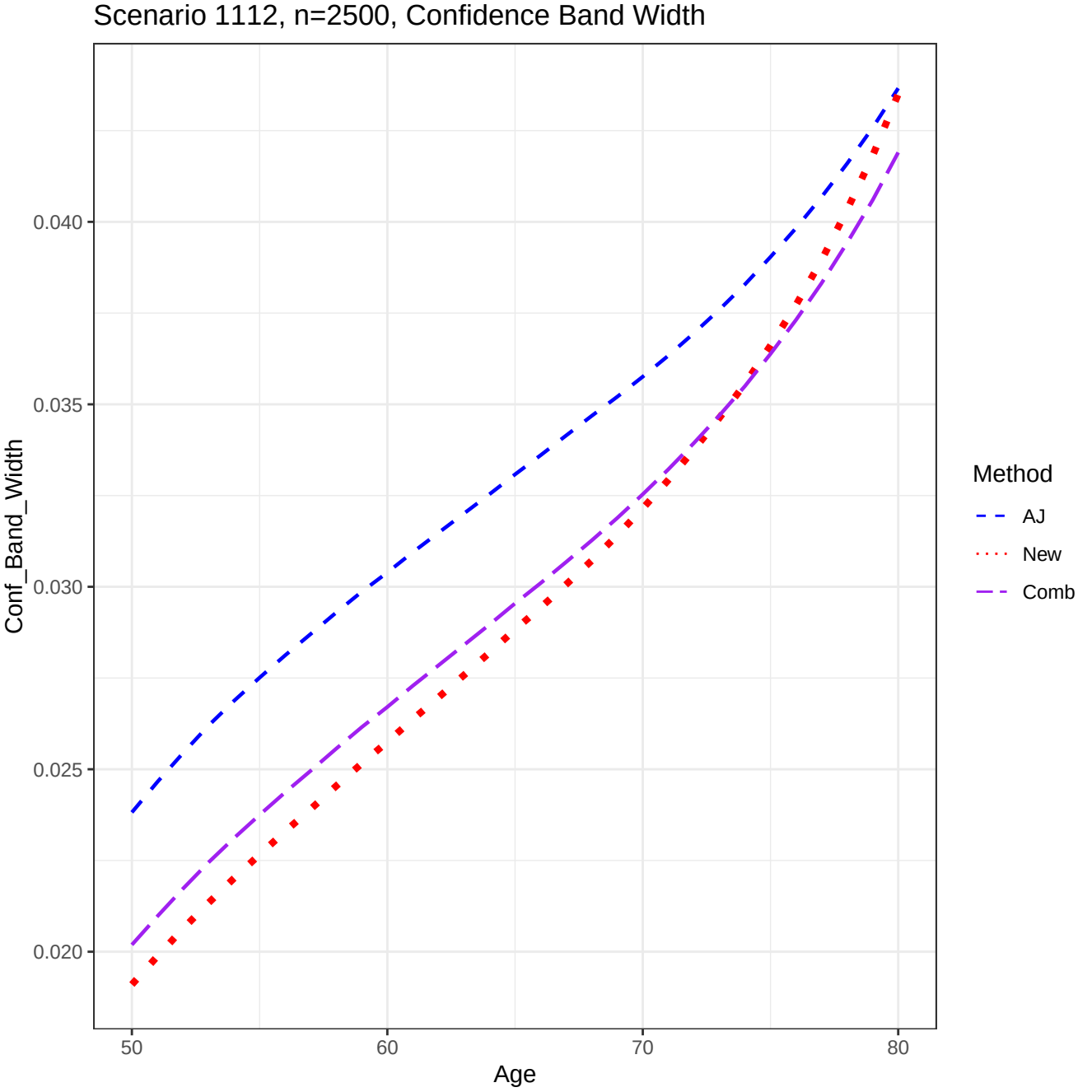
CONFIDENCE BAND COVERAGE RATES

Scenario: 1112

AJ: 0.906

new: 0.939

Combo: 0.911


Scenario 1112, n=2500, Confidence Band Width
Conf_Band_Width
0.040
0.035
0.030
0.025
0.020
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1121

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

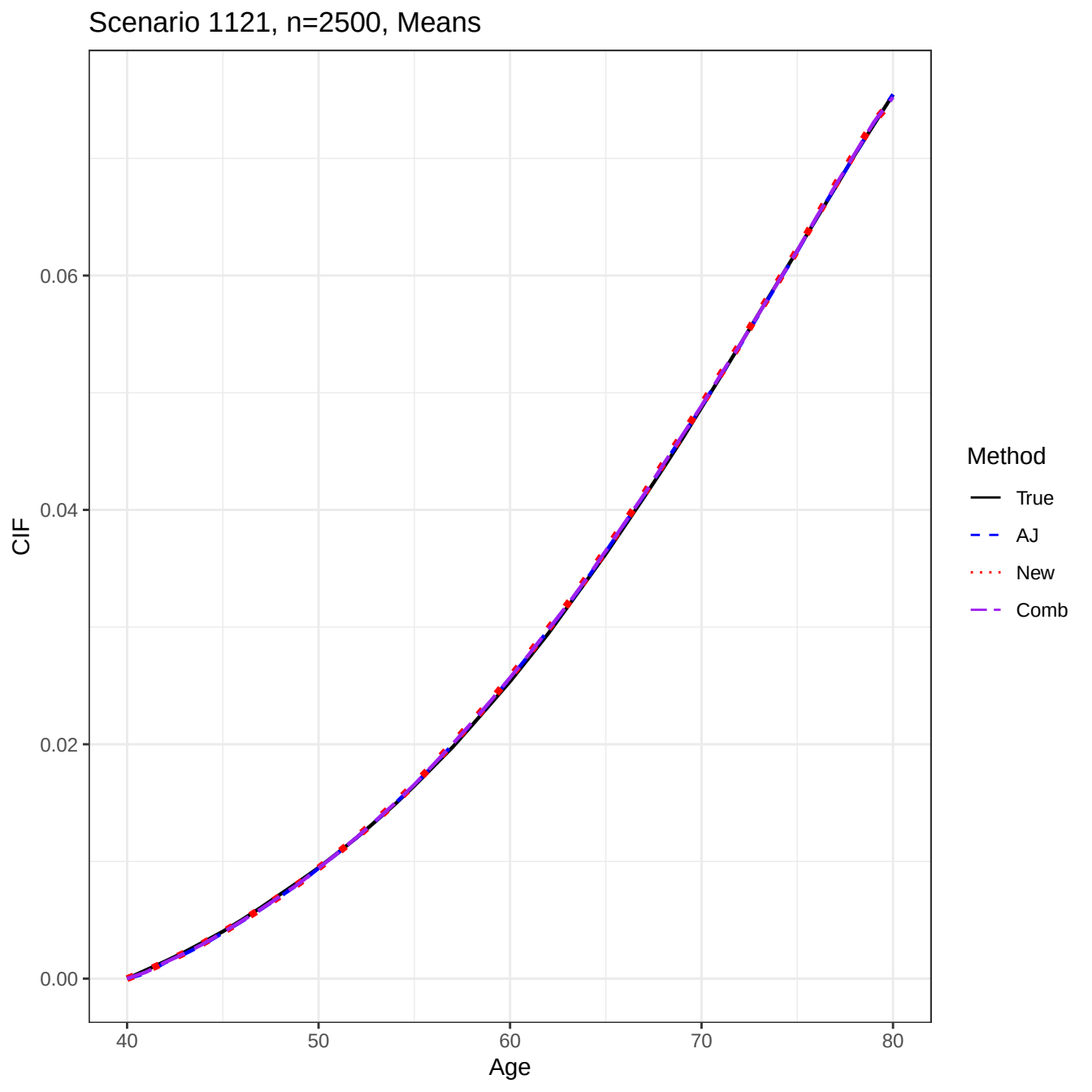
transformation: 0.5*pi − asin(sqrt(1−u))

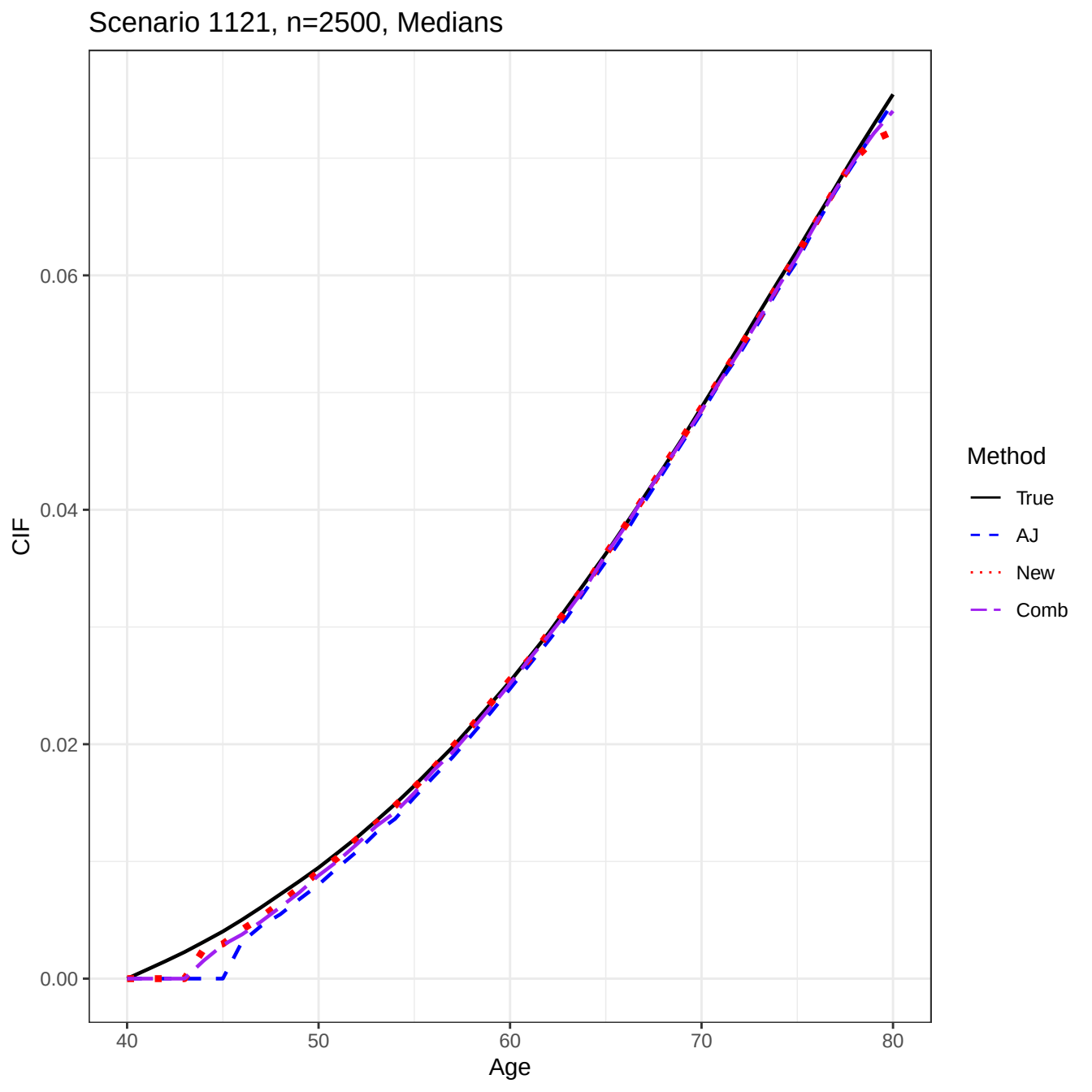
pointwise CI's done by: normal−theory

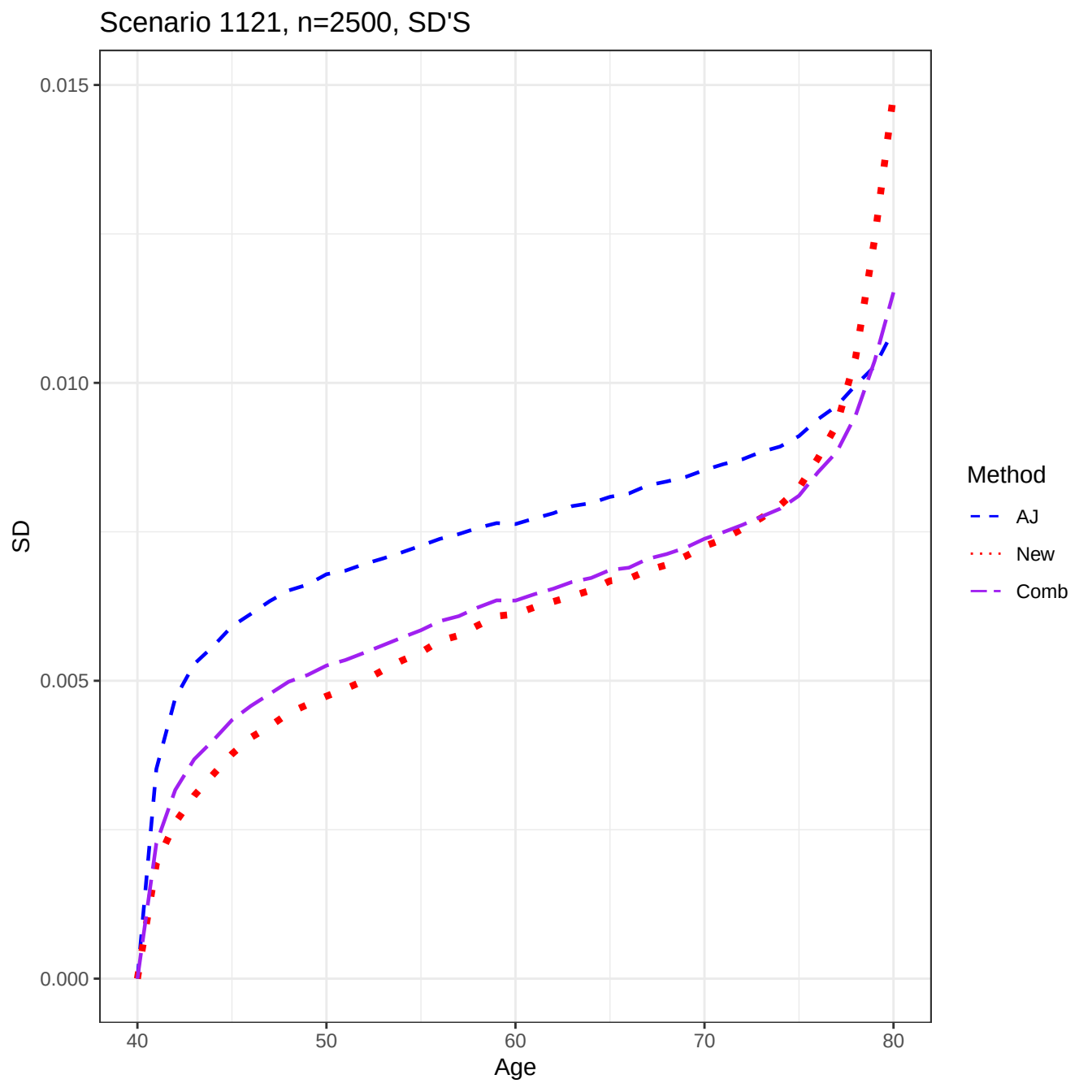
auxflg = FALSE

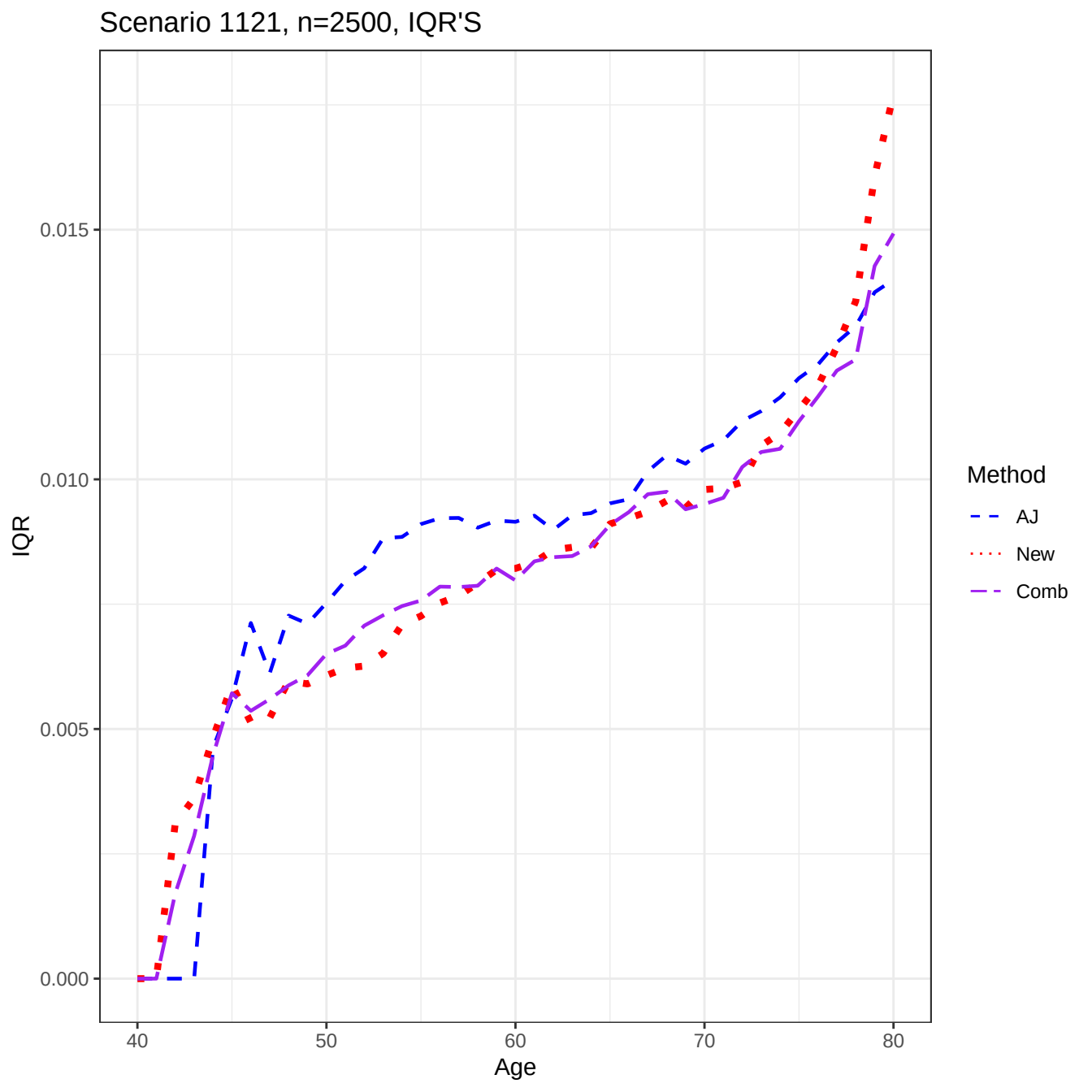
bootstrap weights: normal

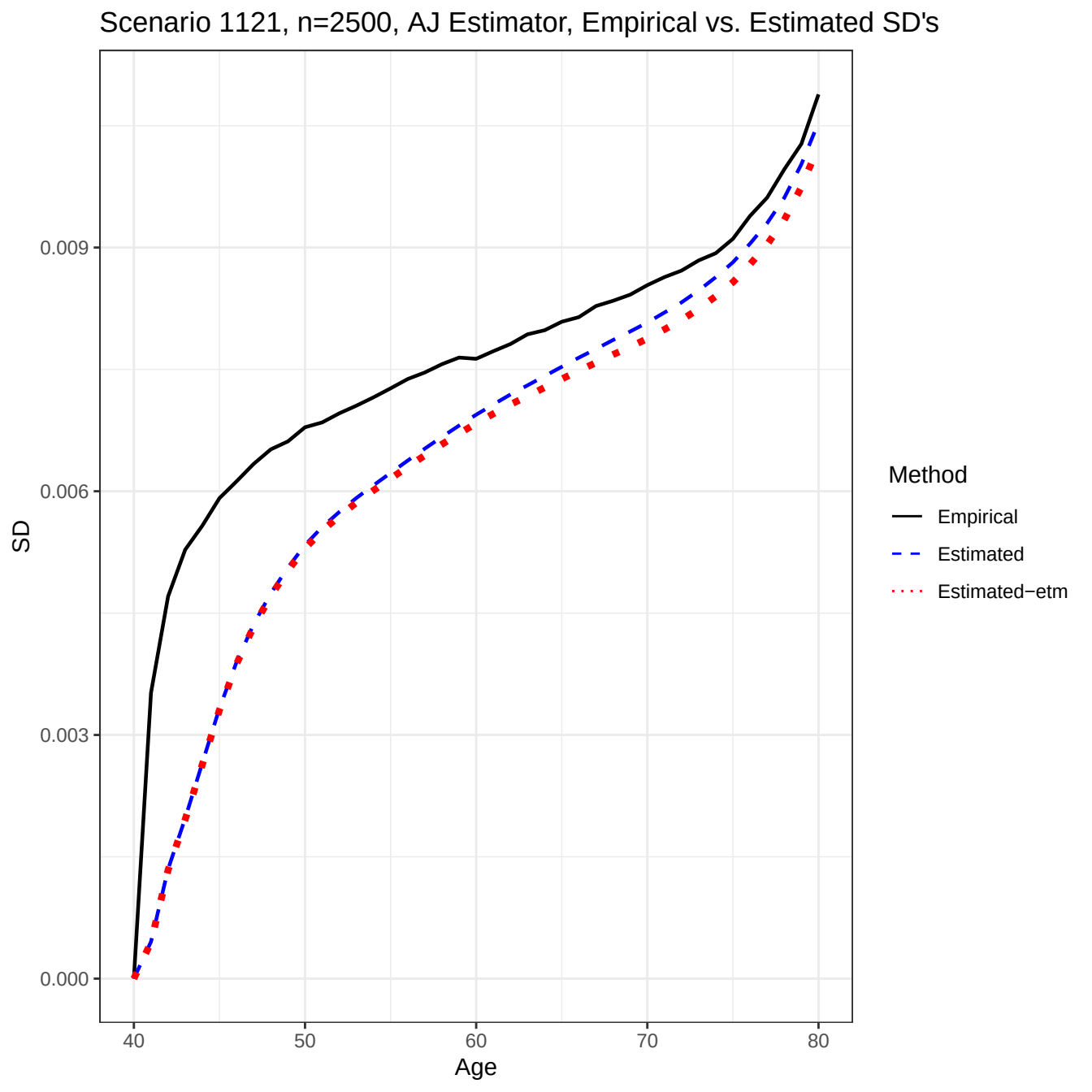
Date/Time: 2024−01−12 12:41:25.606038

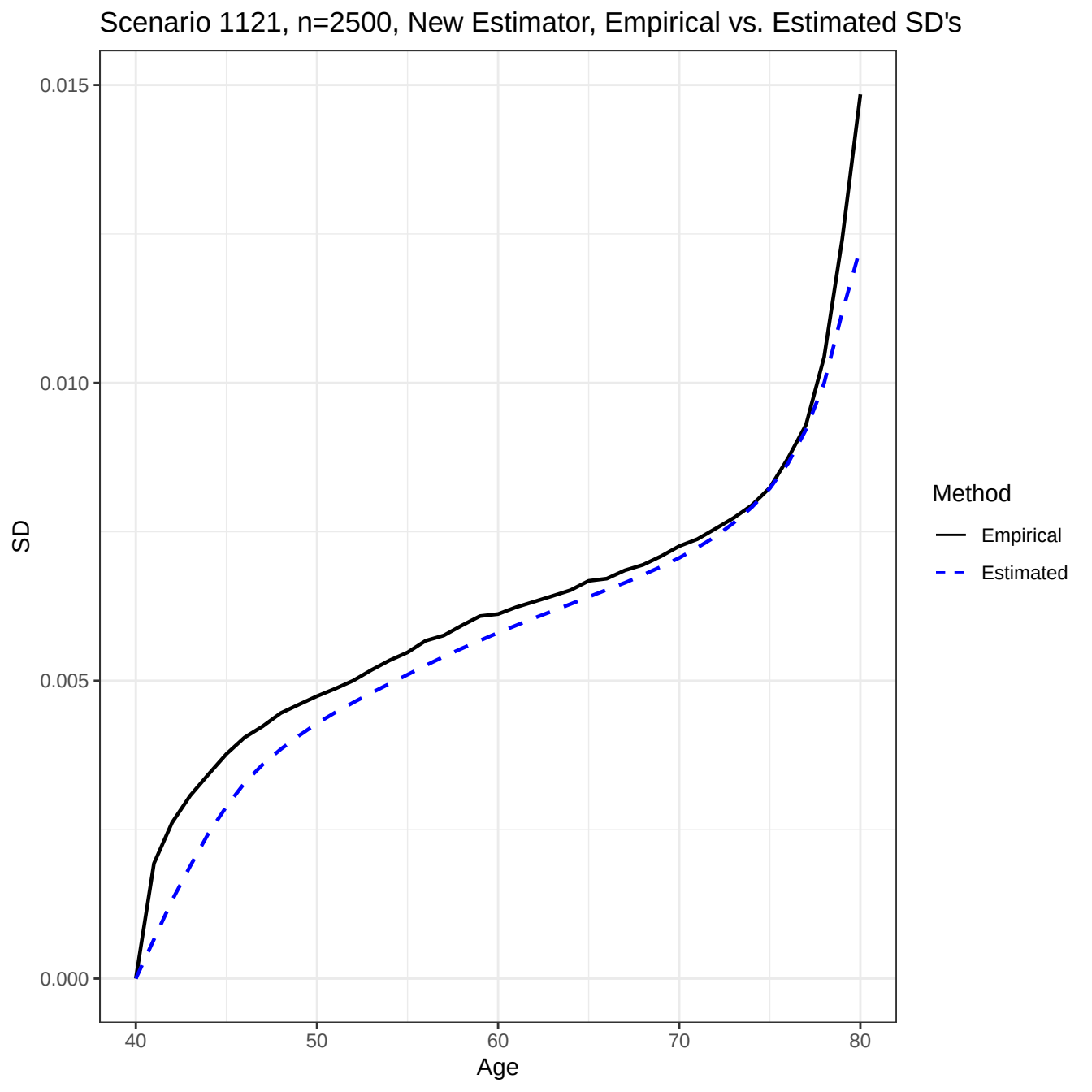

Scenario 1121, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

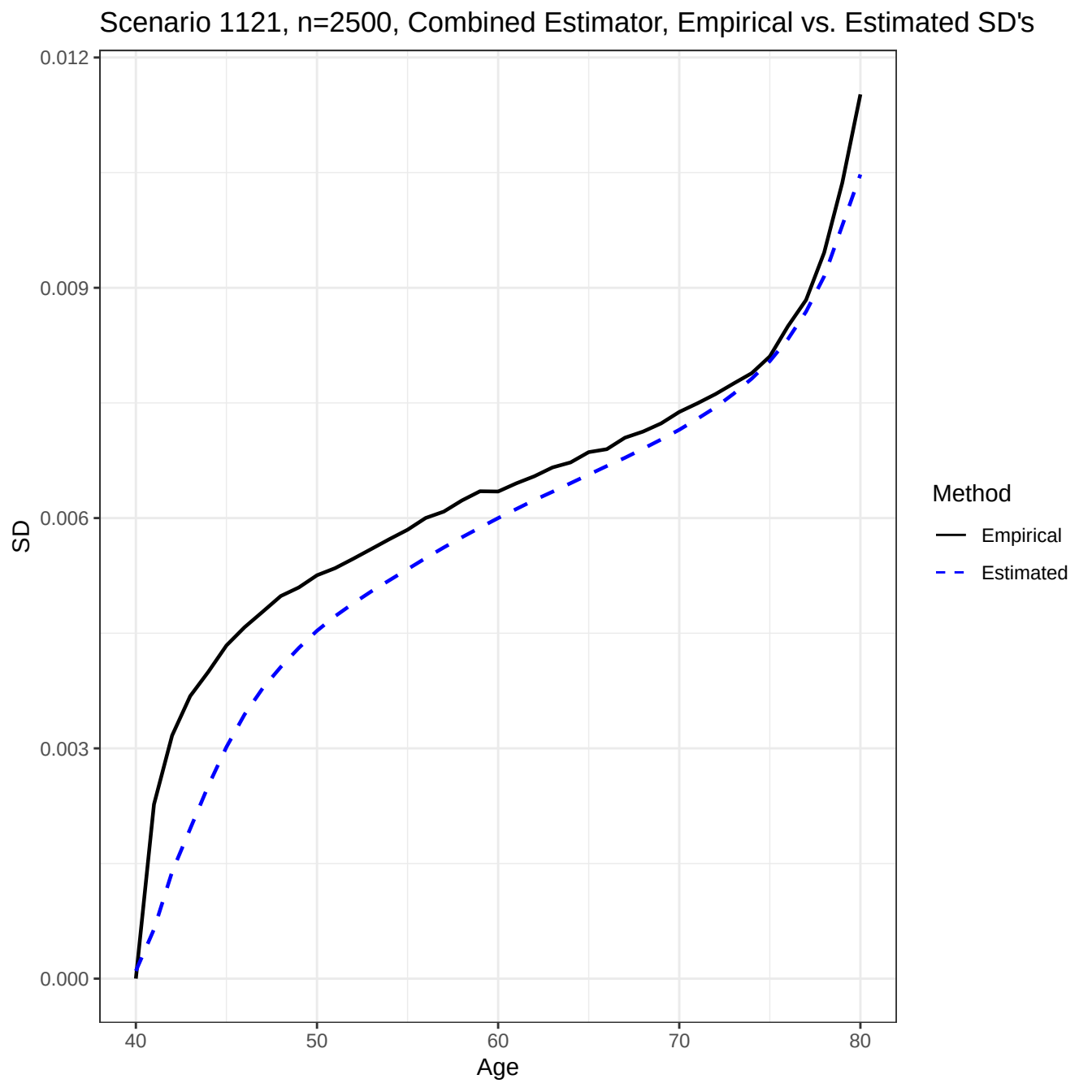

Scenario 1121, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

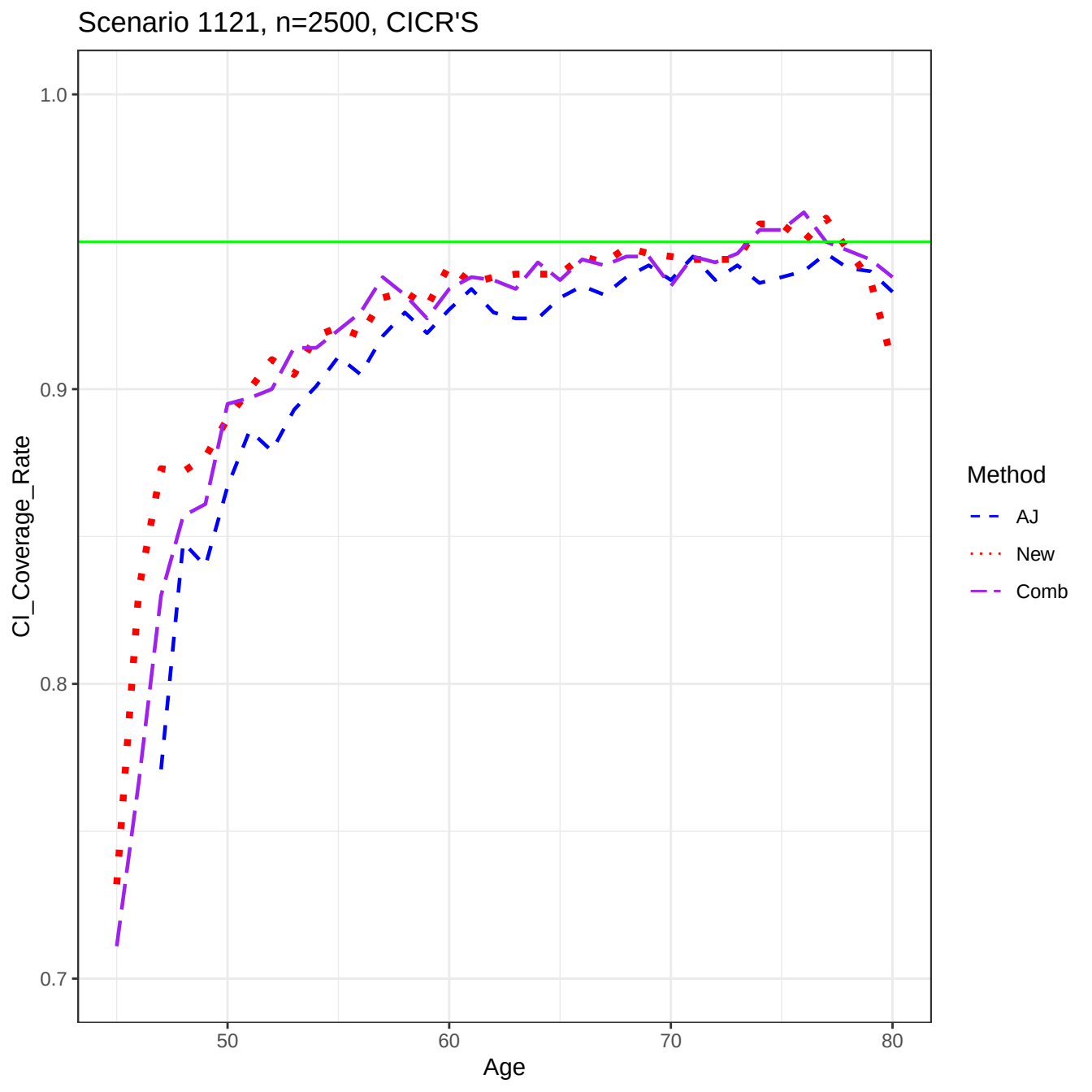

Scenario 1121, n=2500, SD'S
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

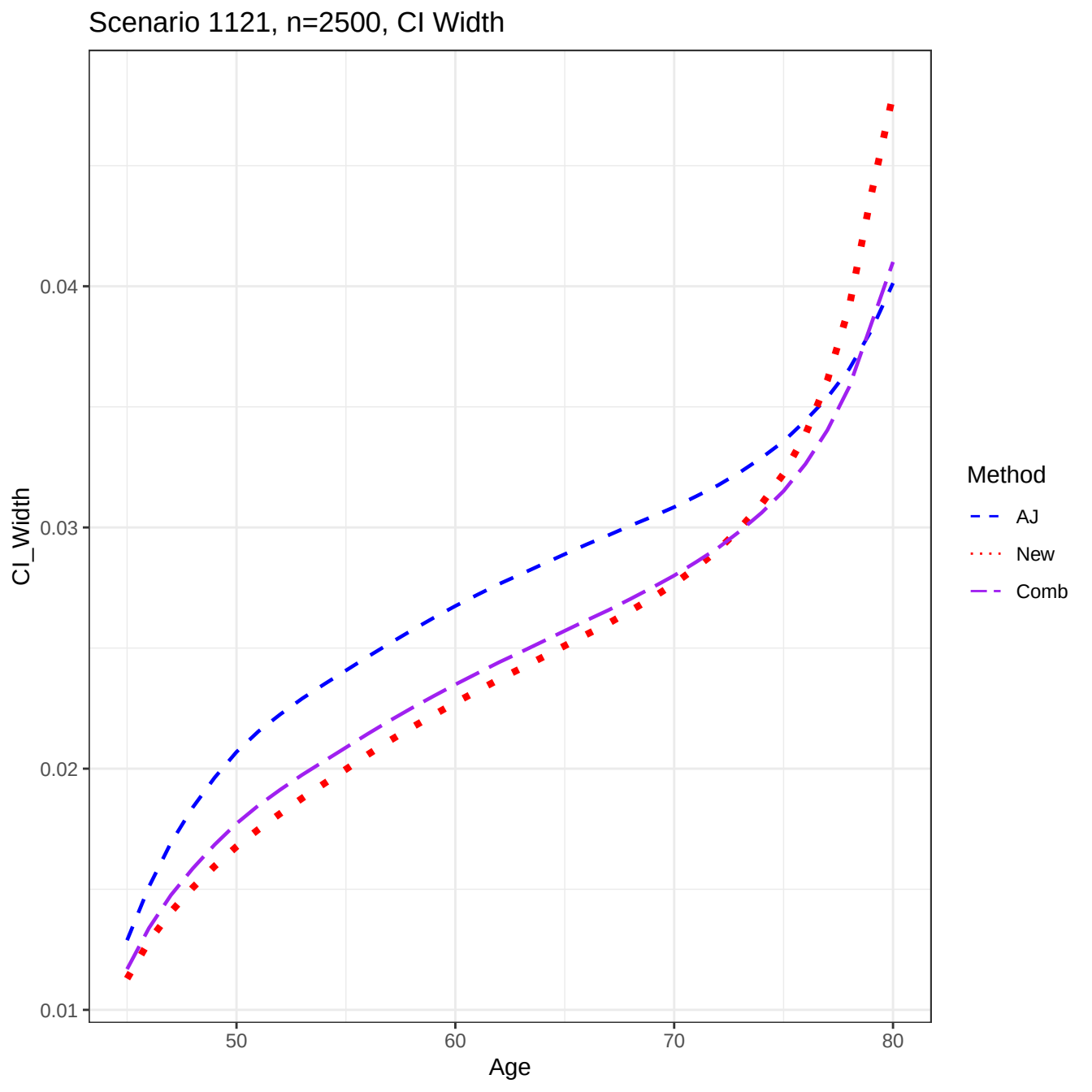

Scenario 1121, n=2500, IQR'S
IQR
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1121, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.009
0.006
0.003
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1121, n=2500, New Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1121, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.012
0.009
0.006
0.003
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1121, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1121, n=2500, CI Width
CI_Width
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

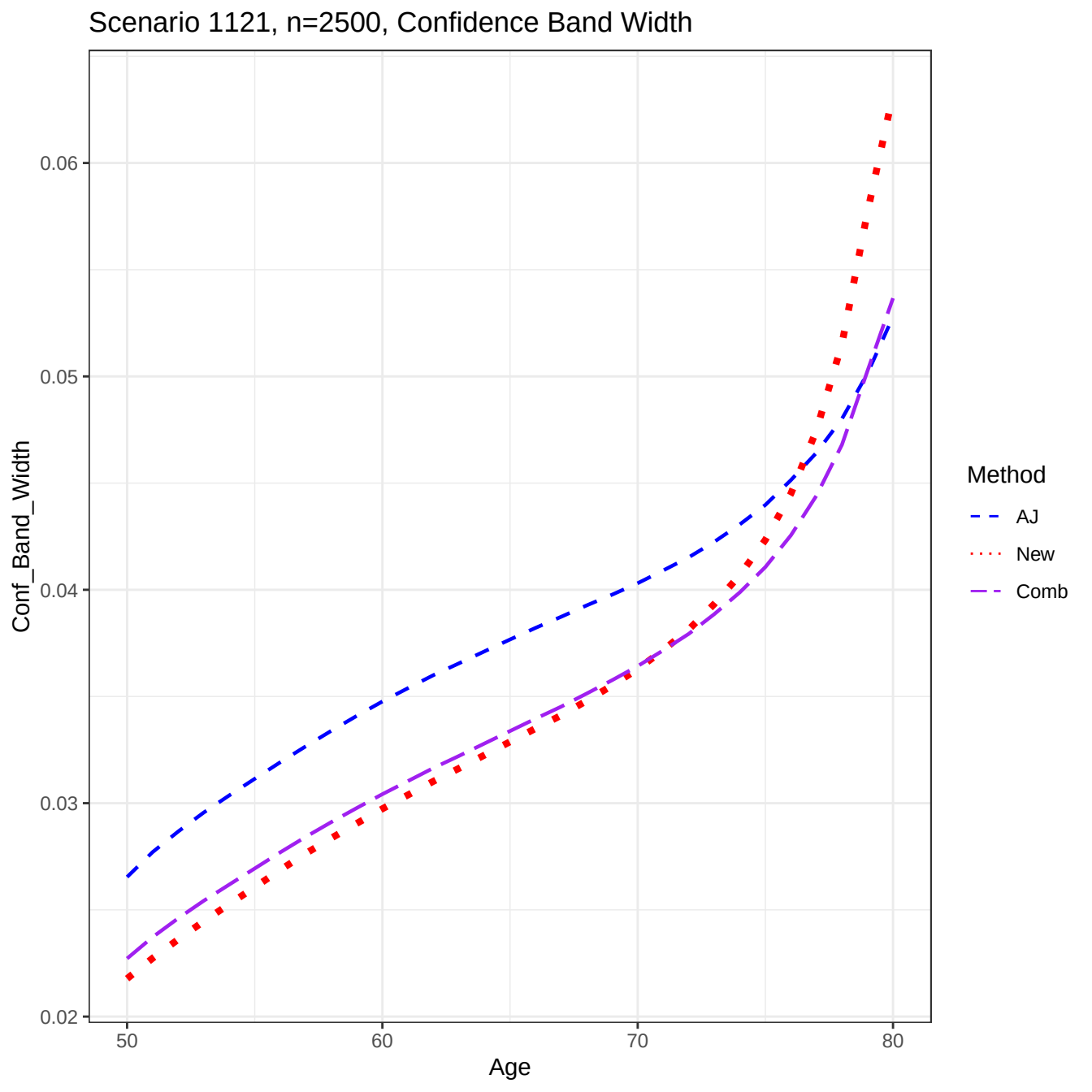
CONFIDENCE BAND COVERAGE RATES

Scenario: 1121

AJ: 0.883

new: 0.9

Combo: 0.9


Scenario 1121, n=2500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1122

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

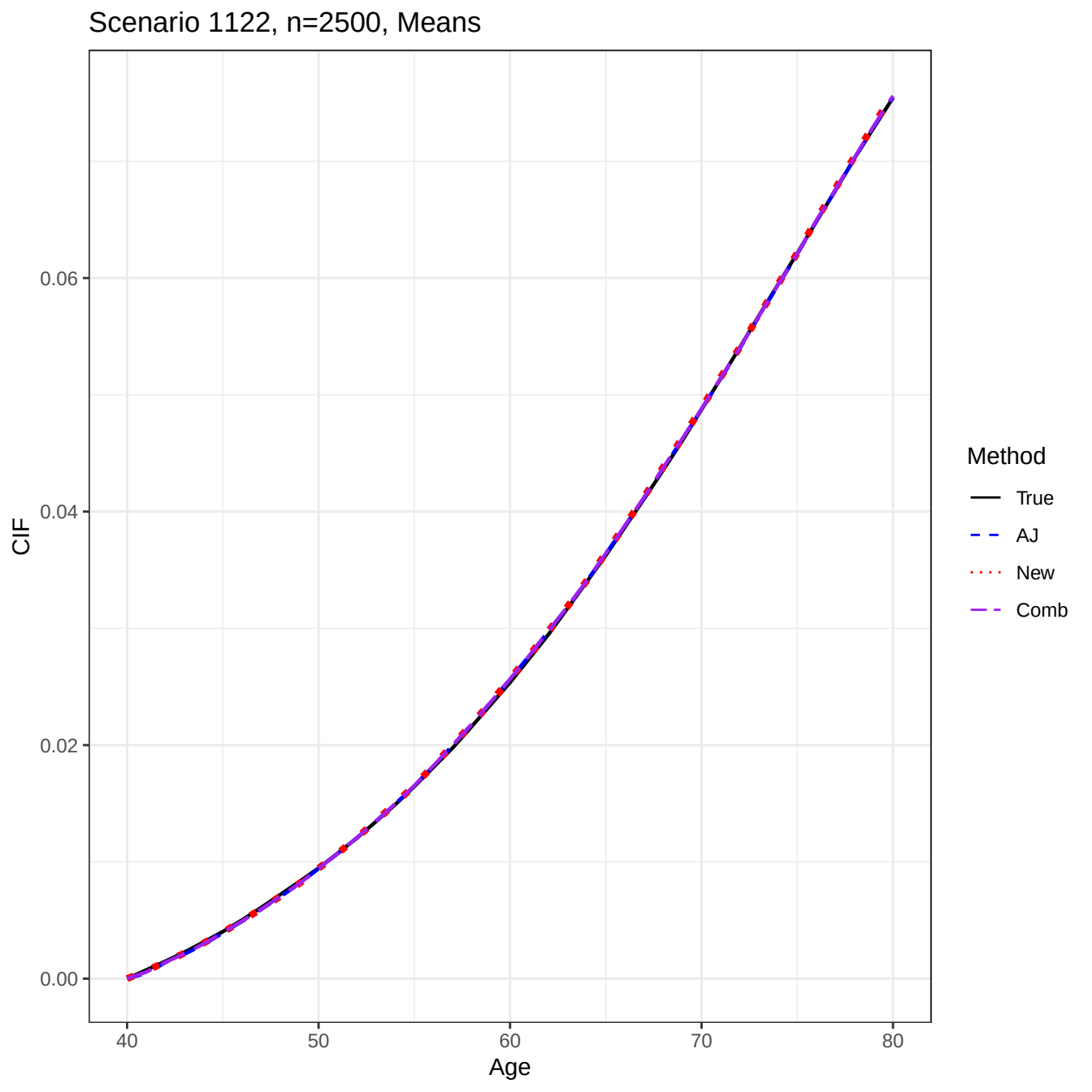
transformation: 0.5*pi − asin(sqrt(1−u))

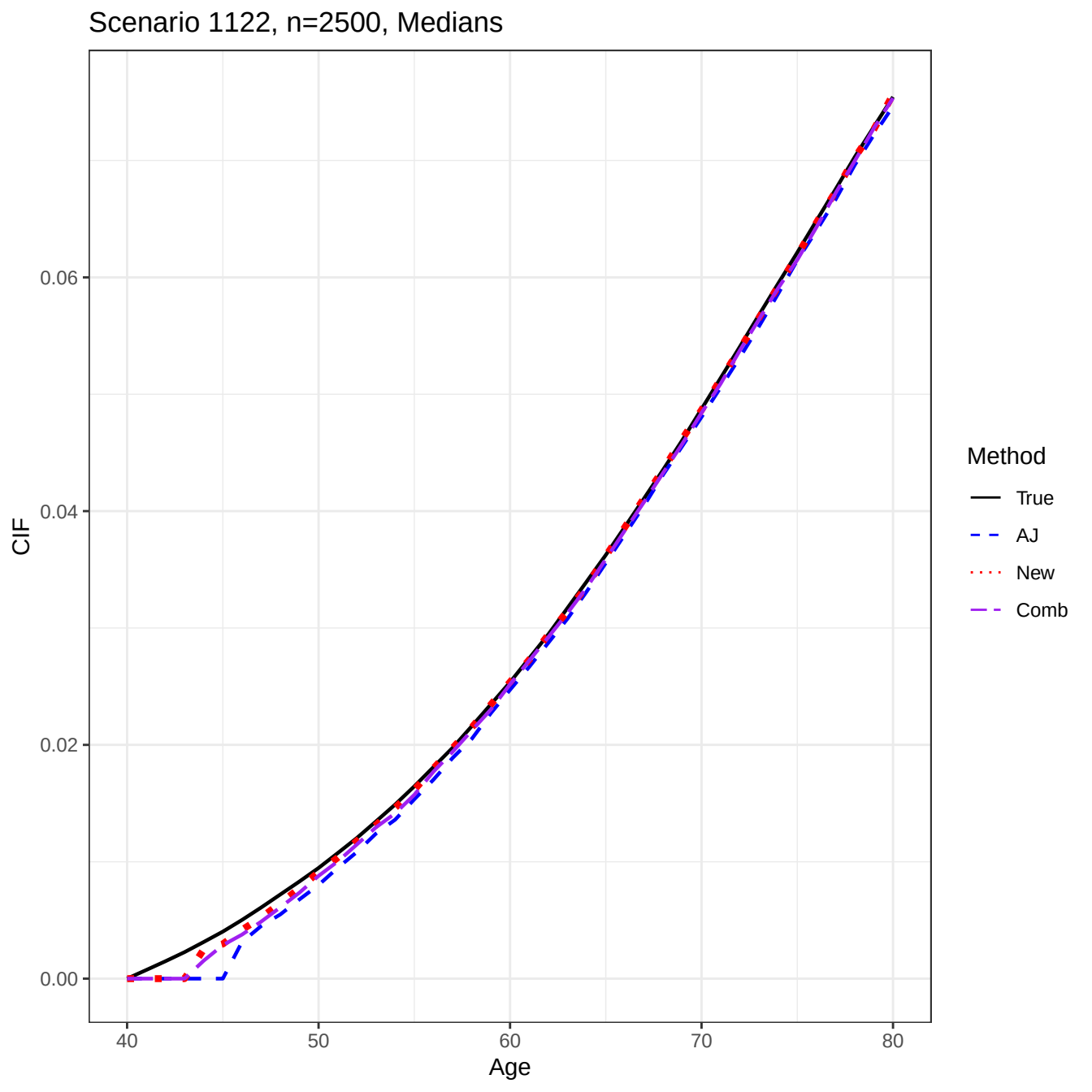
pointwise CI's done by: normal−theory

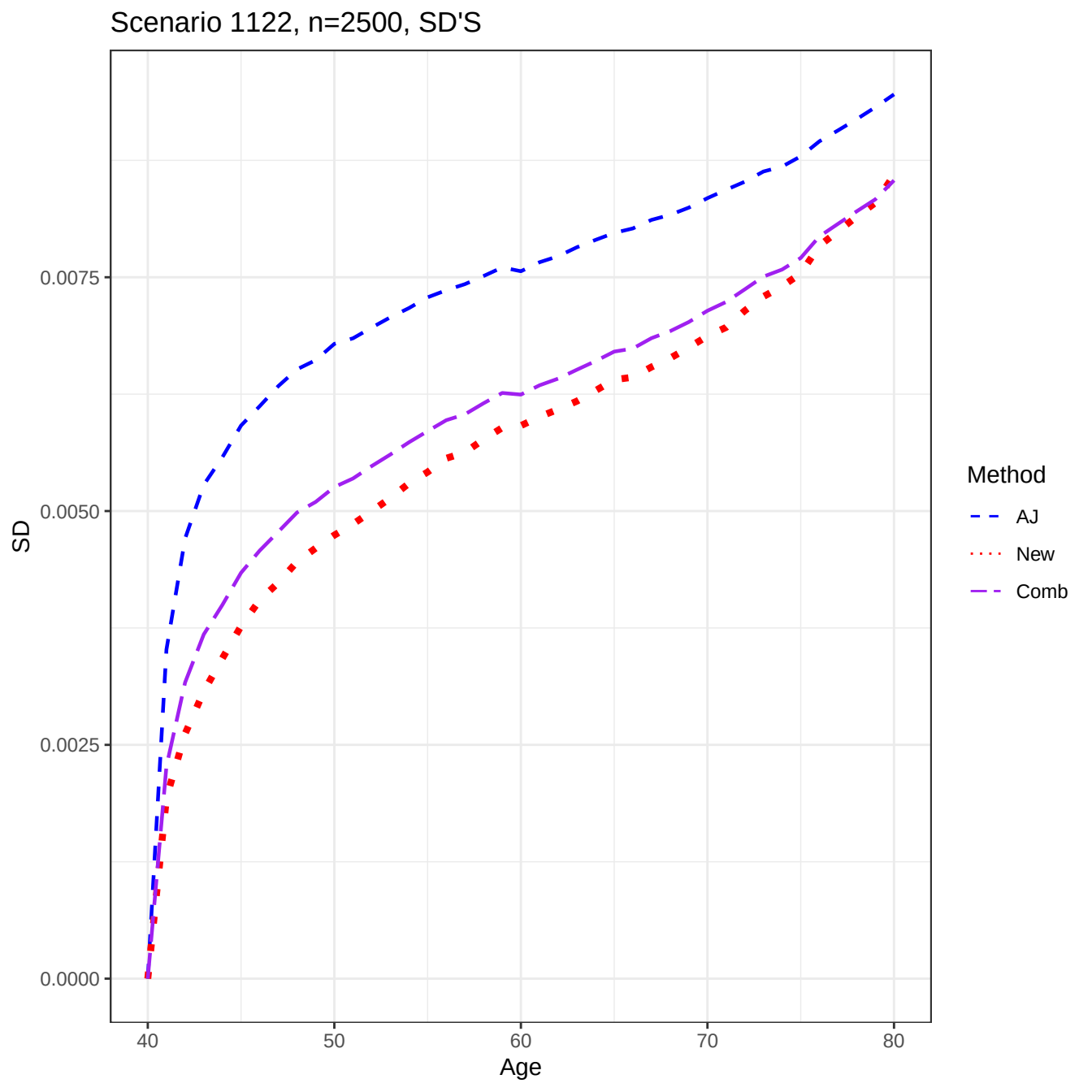
auxflg = FALSE

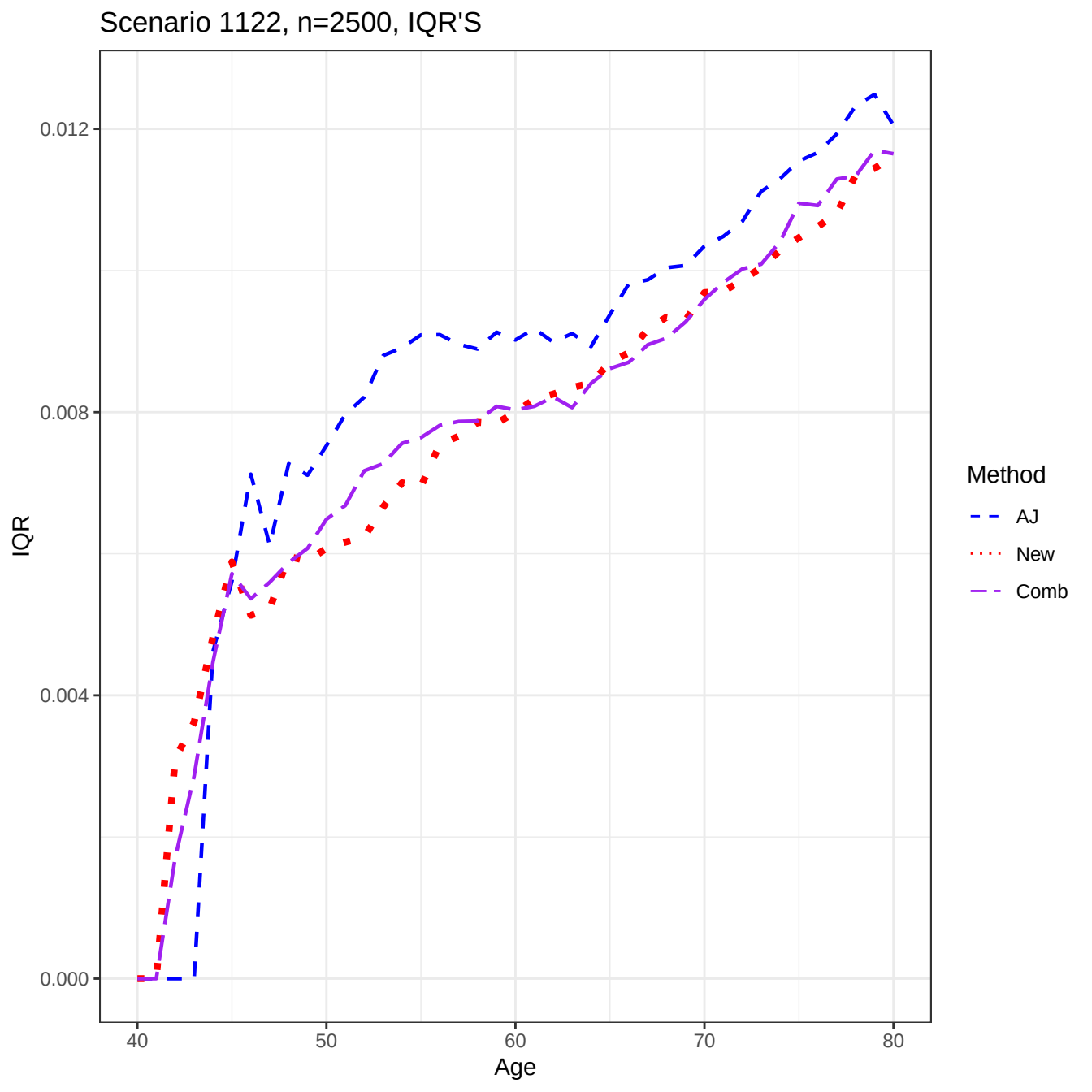
bootstrap weights: normal

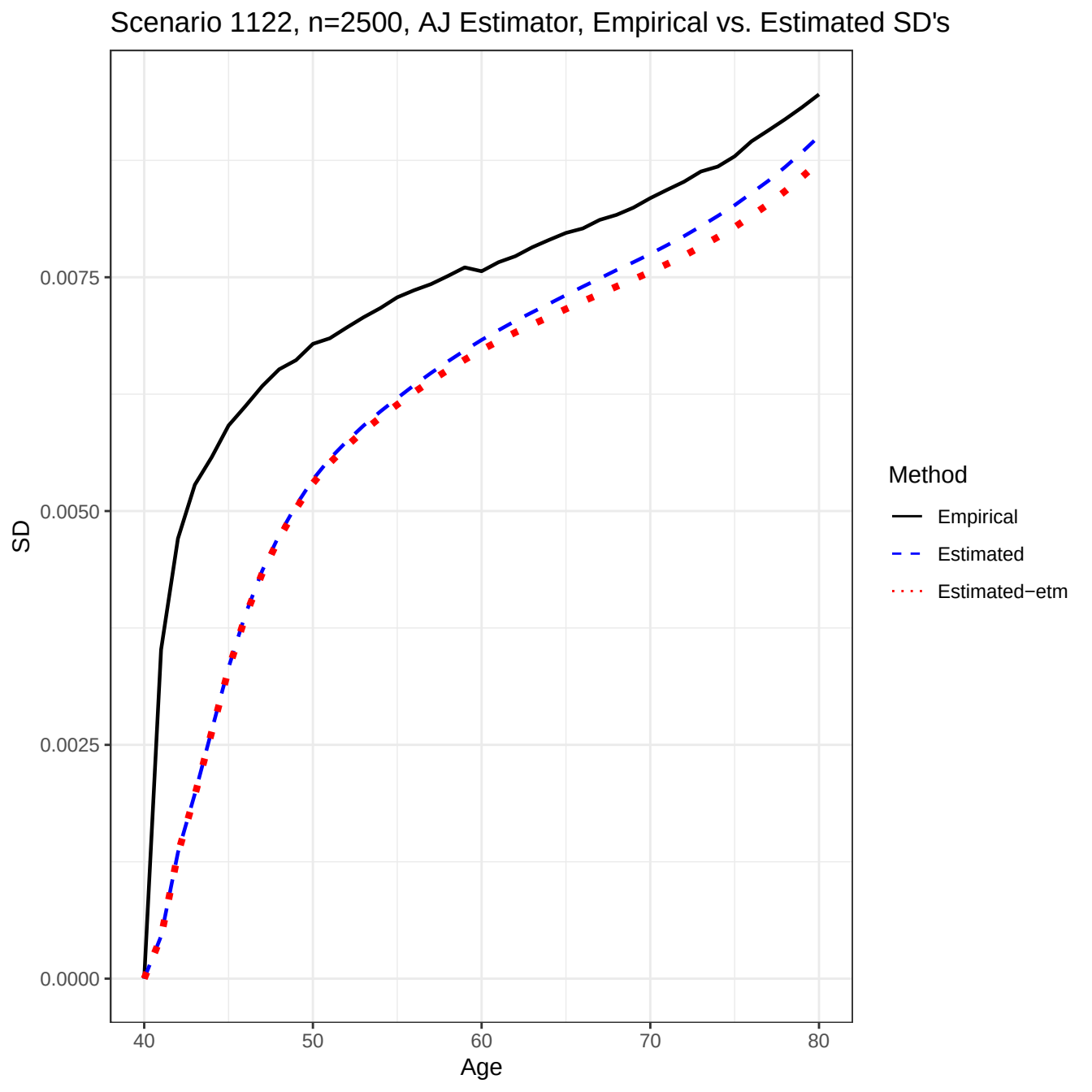
Date/Time: 2024−01−12 13:21:37.015129

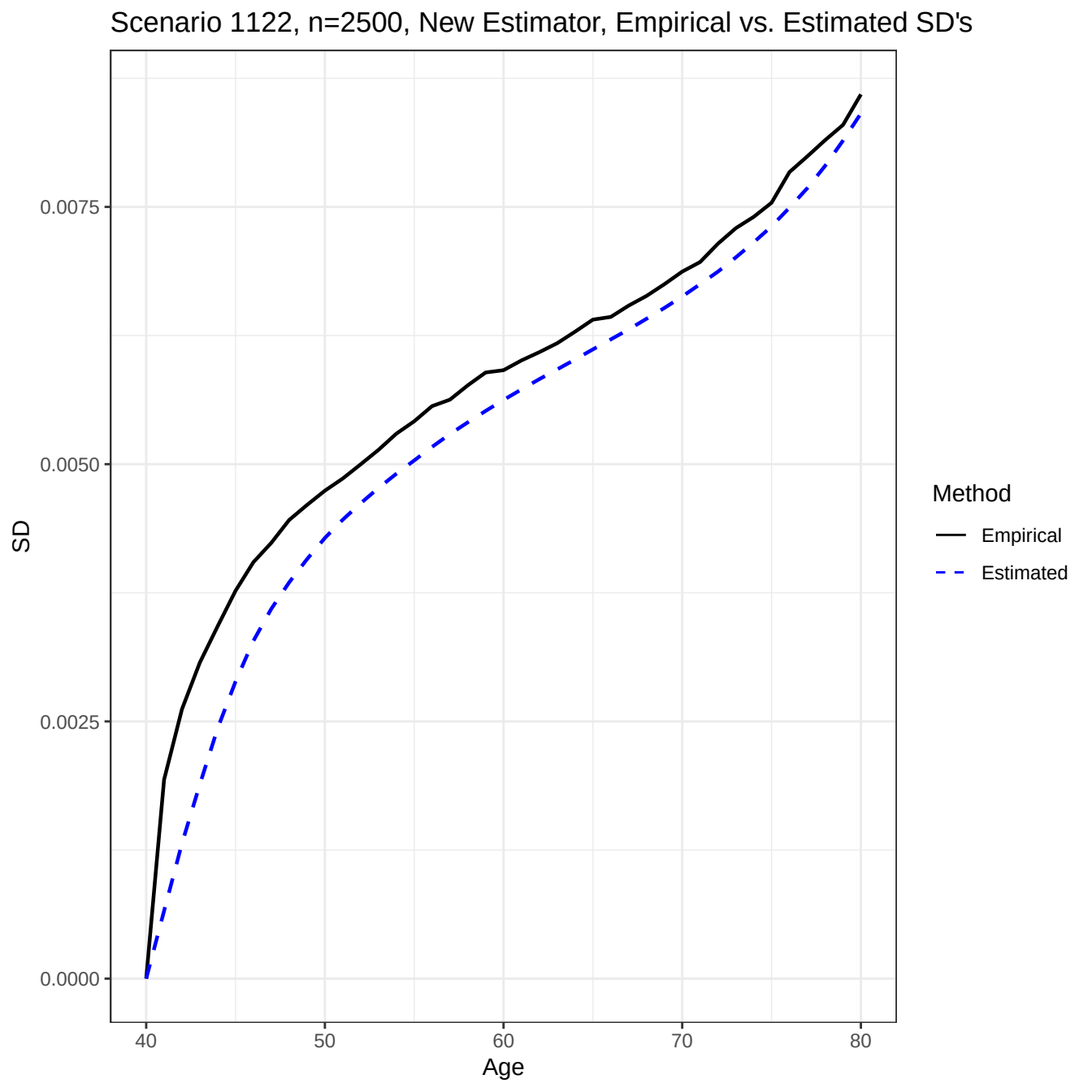

Scenario 1122, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

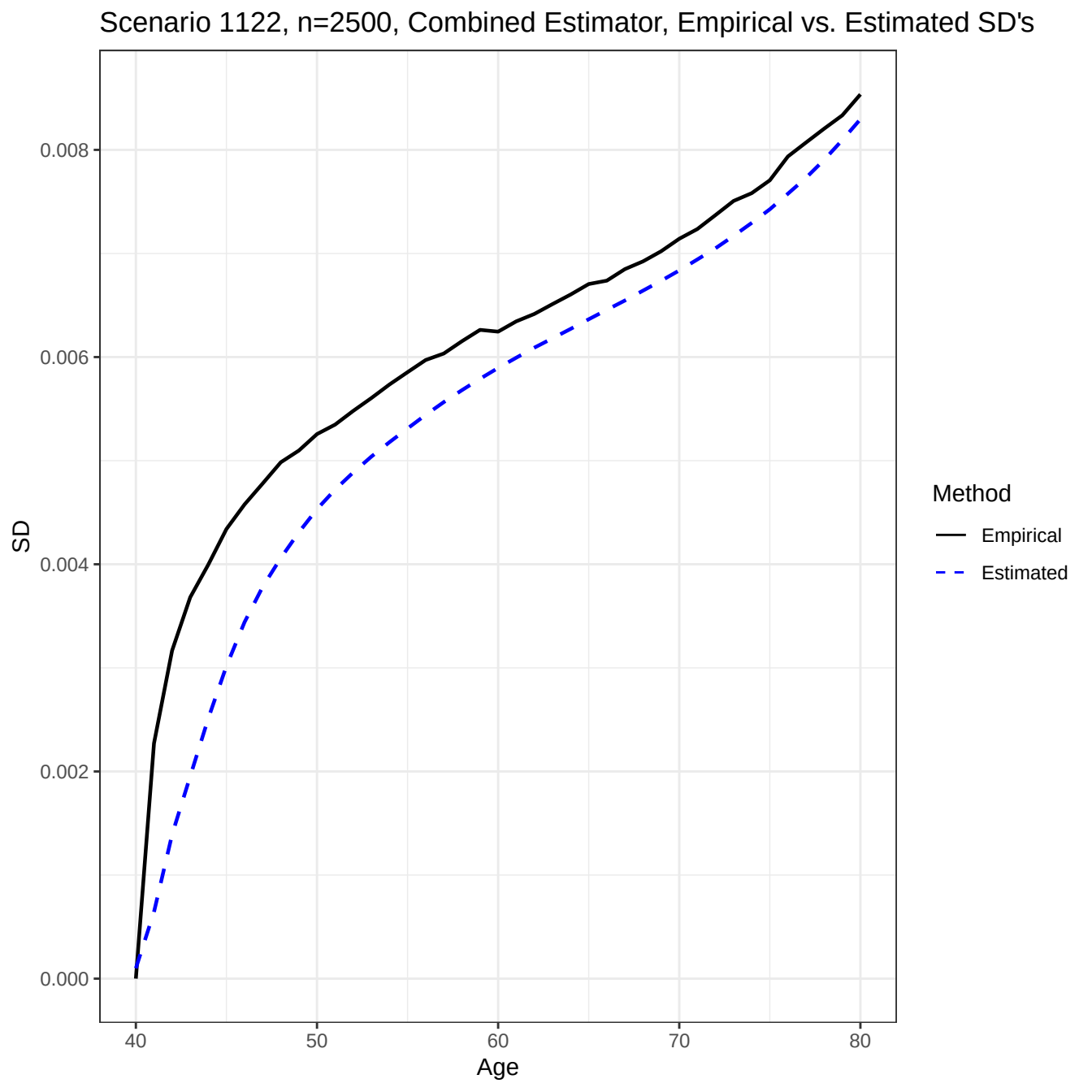

Scenario 1122, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

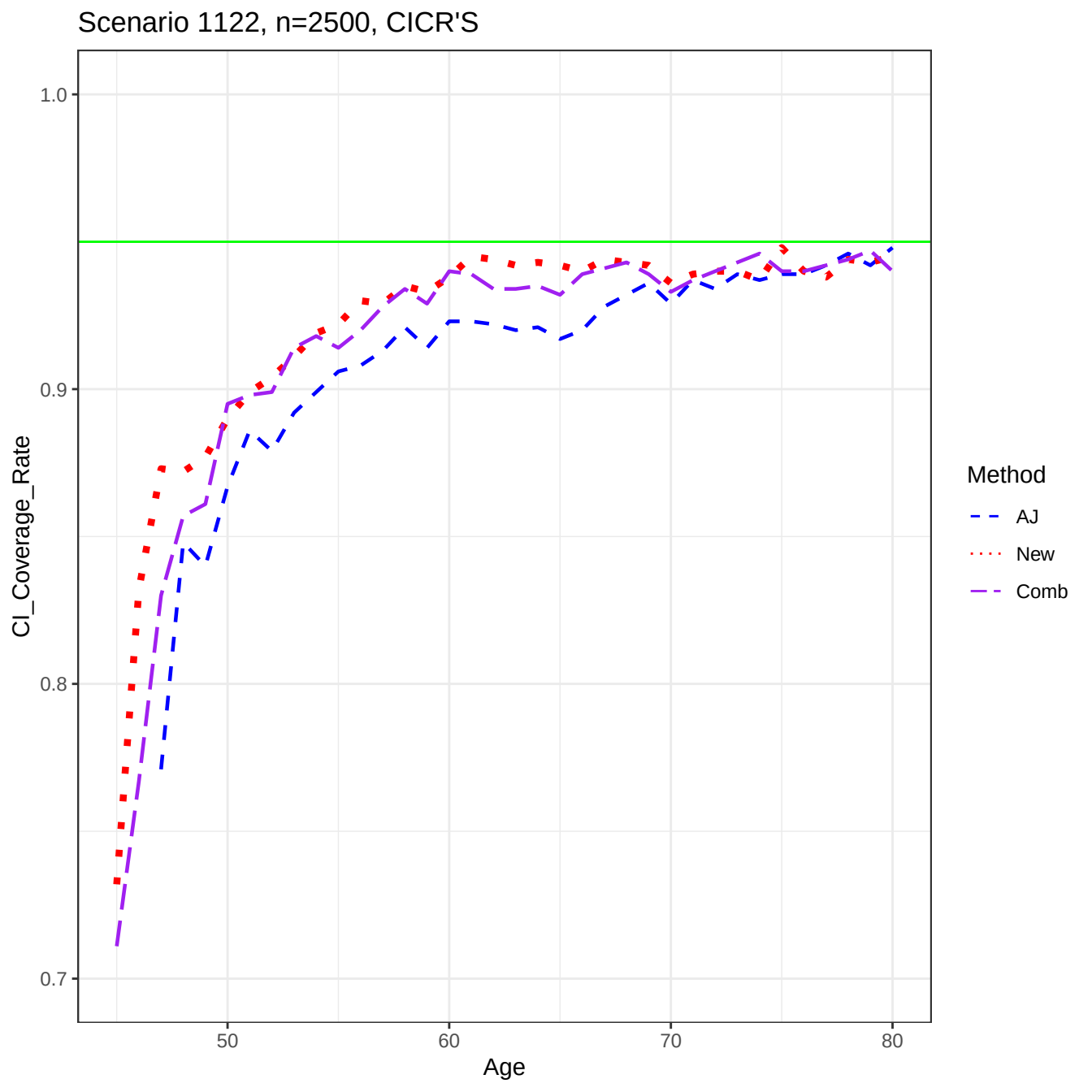

Scenario 1122, n=2500, SD'S
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
AJ
New
Comb

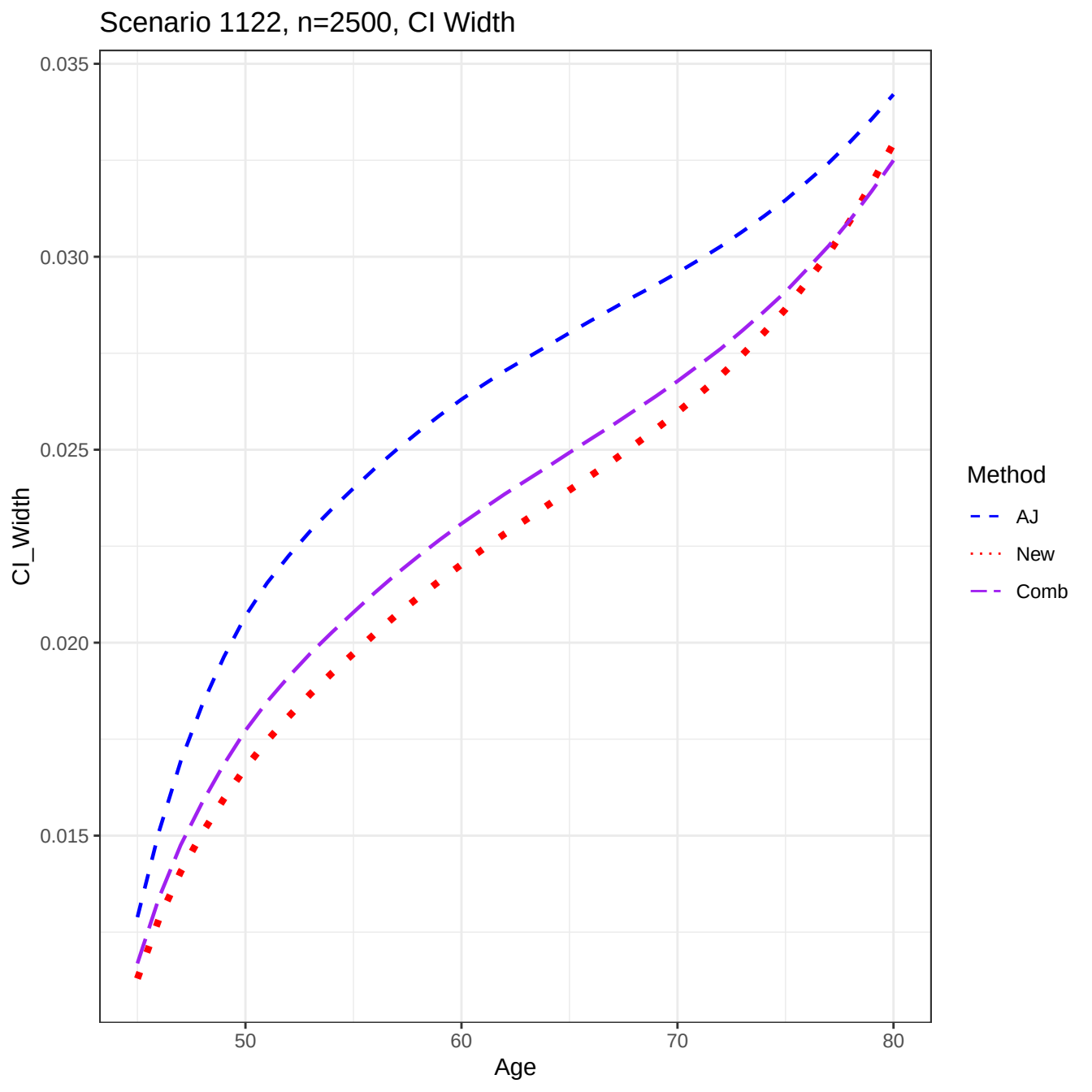

Scenario 1122, n=2500, IQR'S
0.012
0.008
0.004
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1122, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0000
0.0025
0.0050
0.0075
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1122, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1122, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.000
0.002
0.004
0.006
0.008
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1122, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1122, n=2500, CI Width
0.035
0.030
0.025
0.020
0.015
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

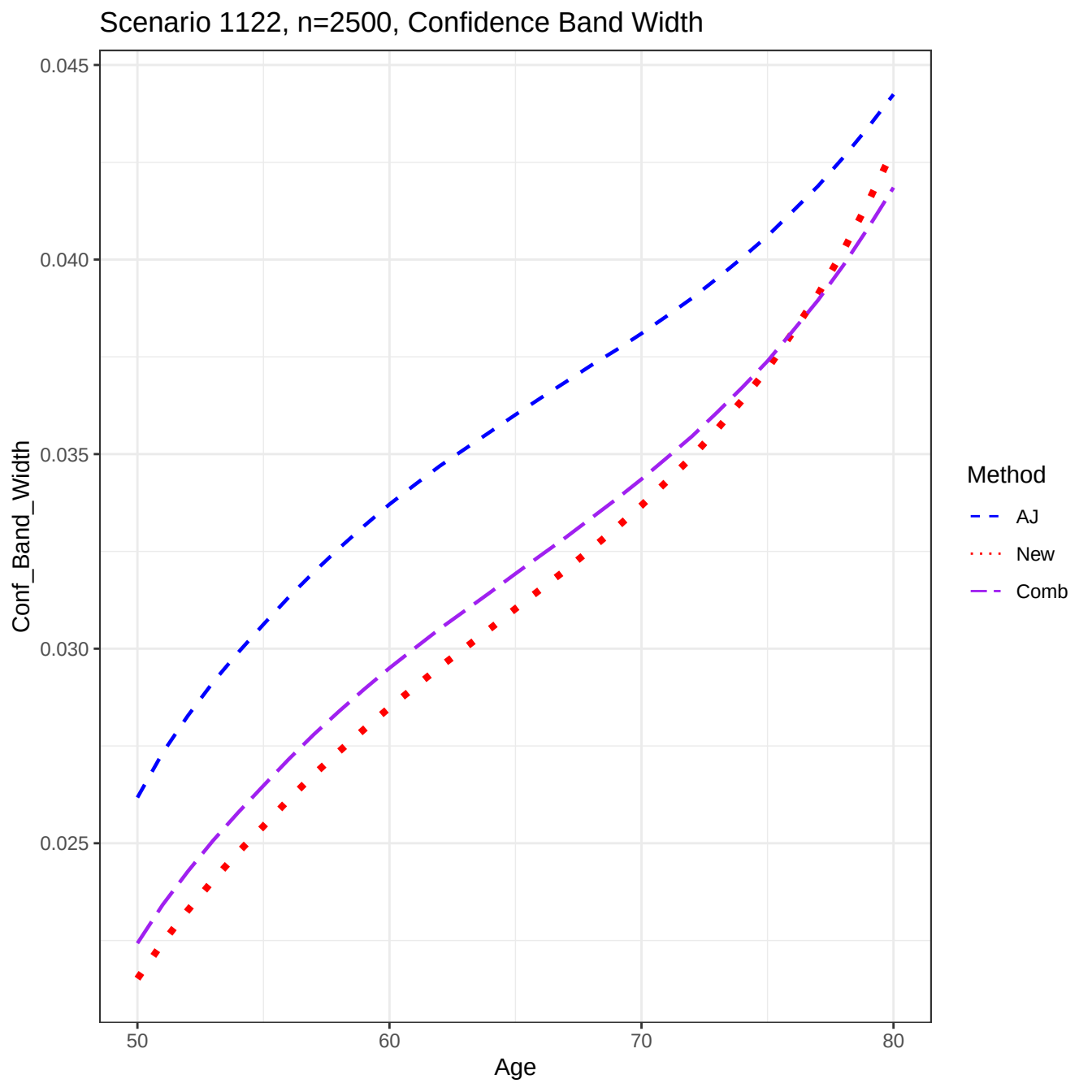
CONFIDENCE BAND COVERAGE RATES

Scenario: 1122

AJ: 0.886

new: 0.911

Combo: 0.899


Scenario 1122, n=2500, Confidence Band Width
Conf_Band_Width
0.045
0.040
0.035
0.030
0.025
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1211

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

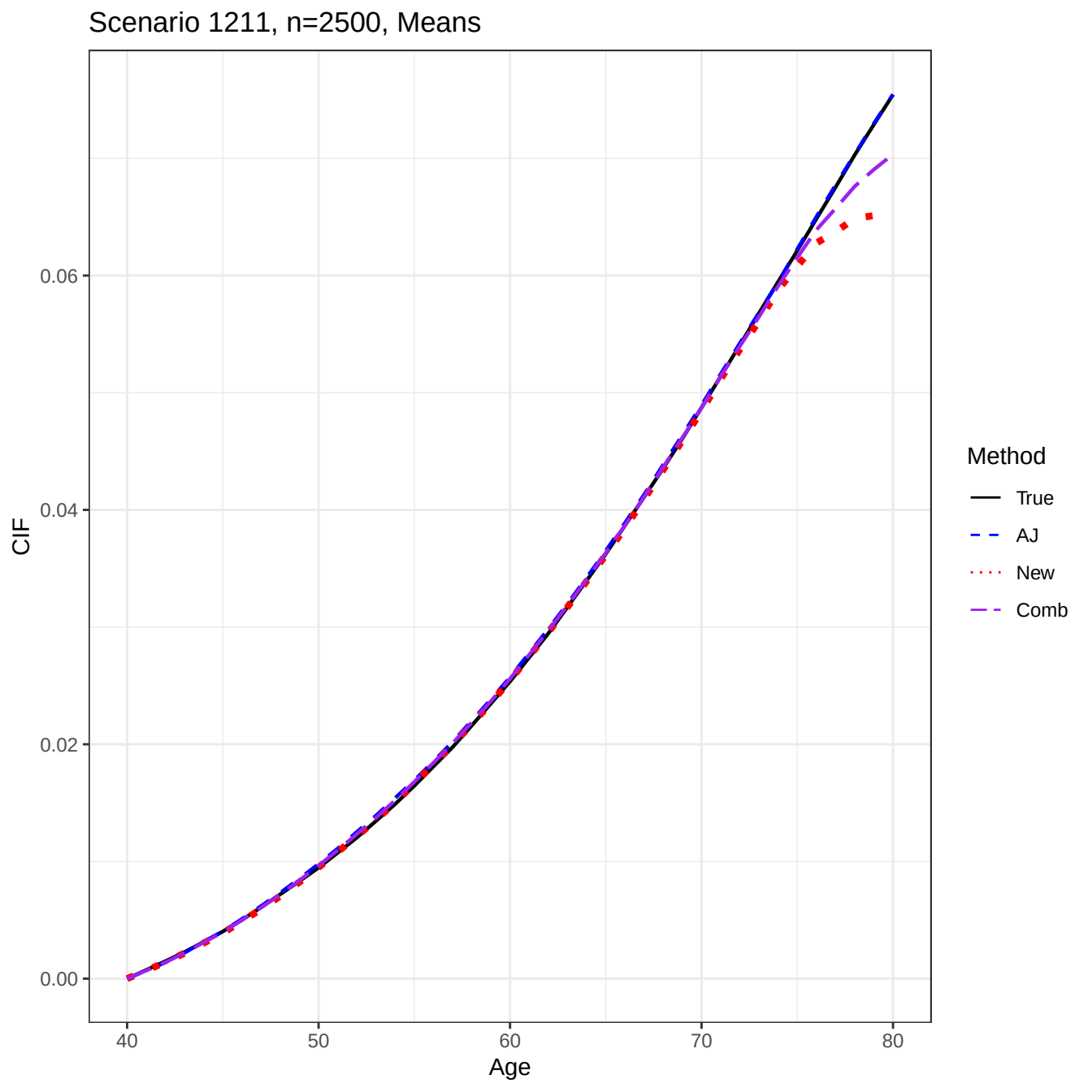
transformation: 0.5*pi − asin(sqrt(1−u))

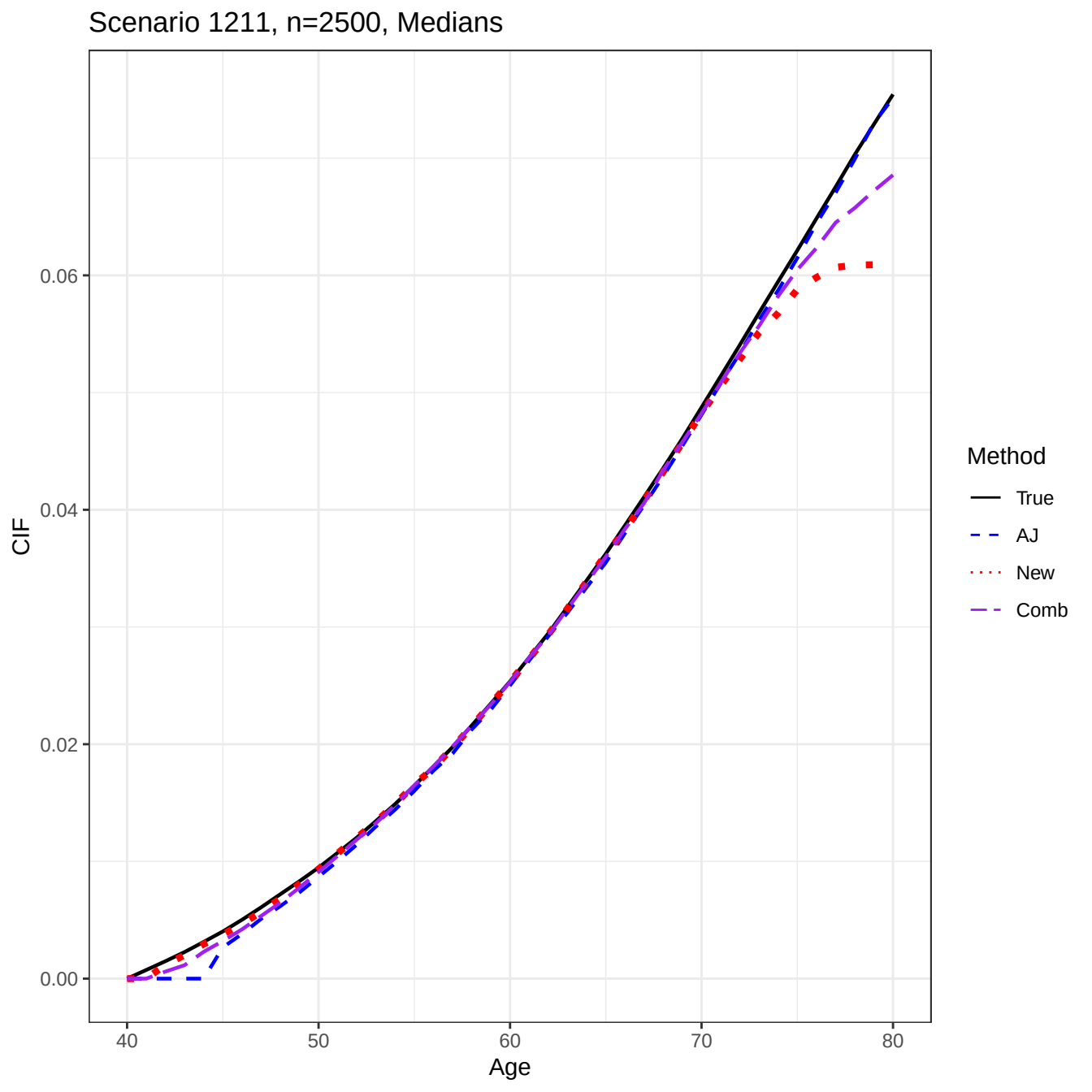
pointwise CI's done by: normal−theory

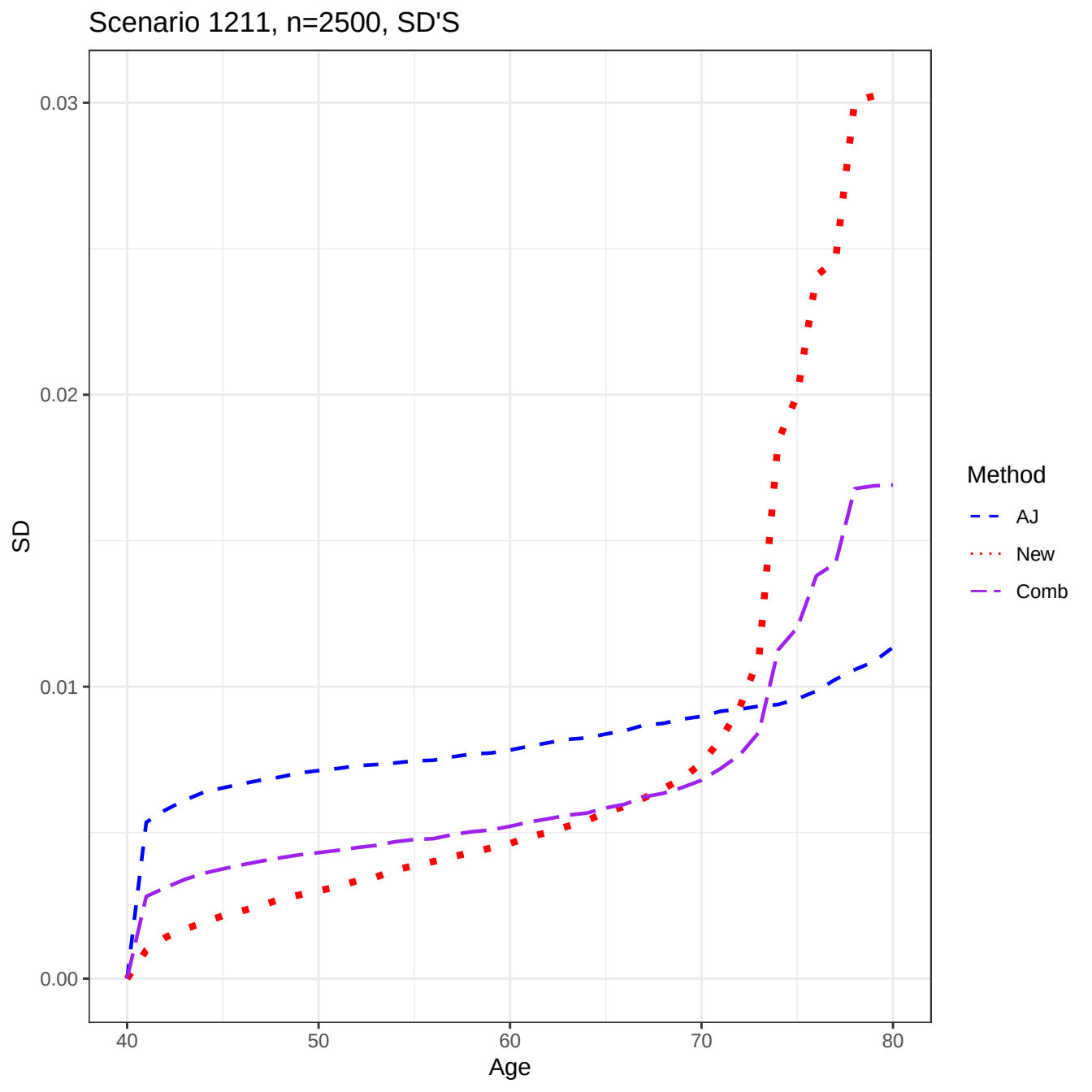
auxflg = FALSE

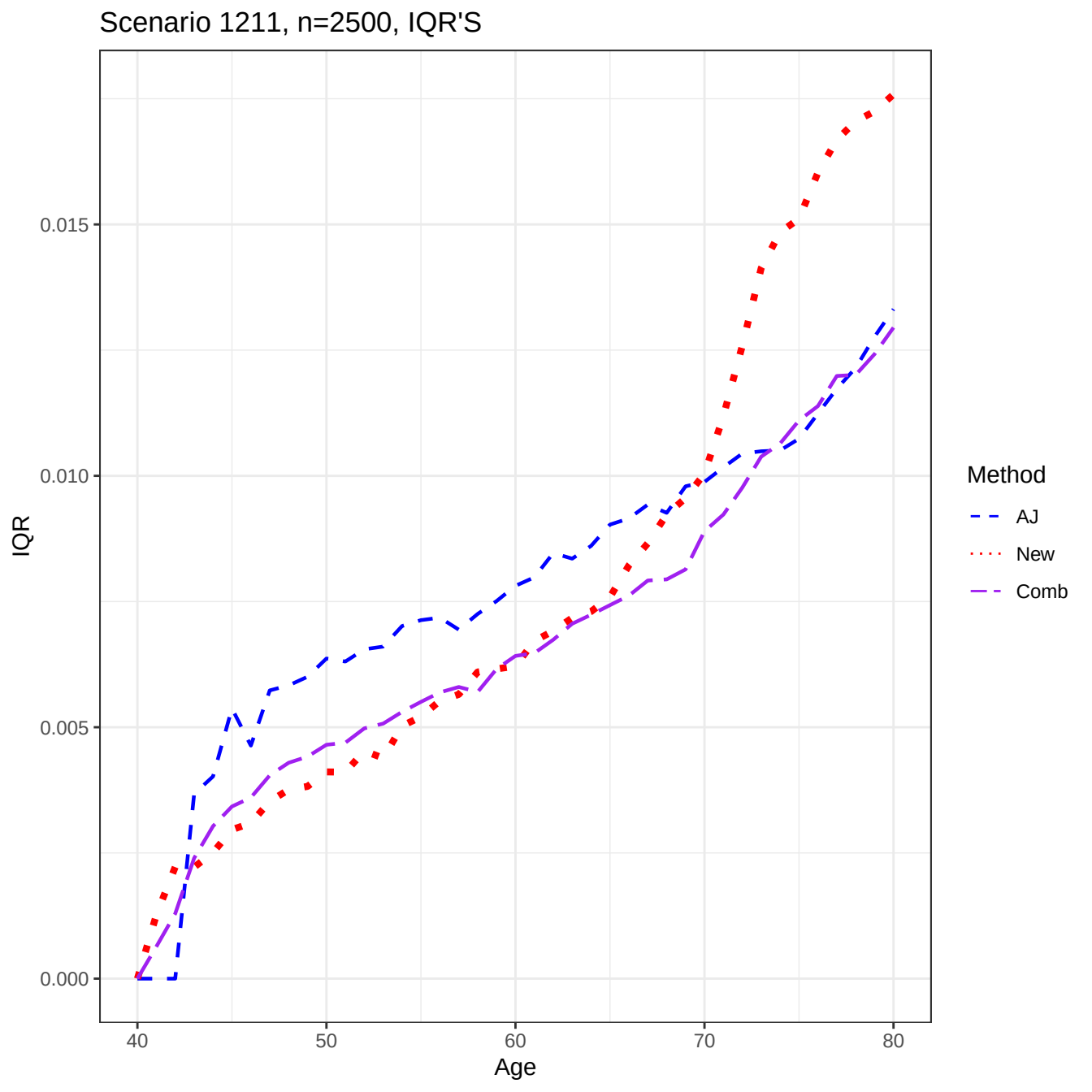
bootstrap weights: normal

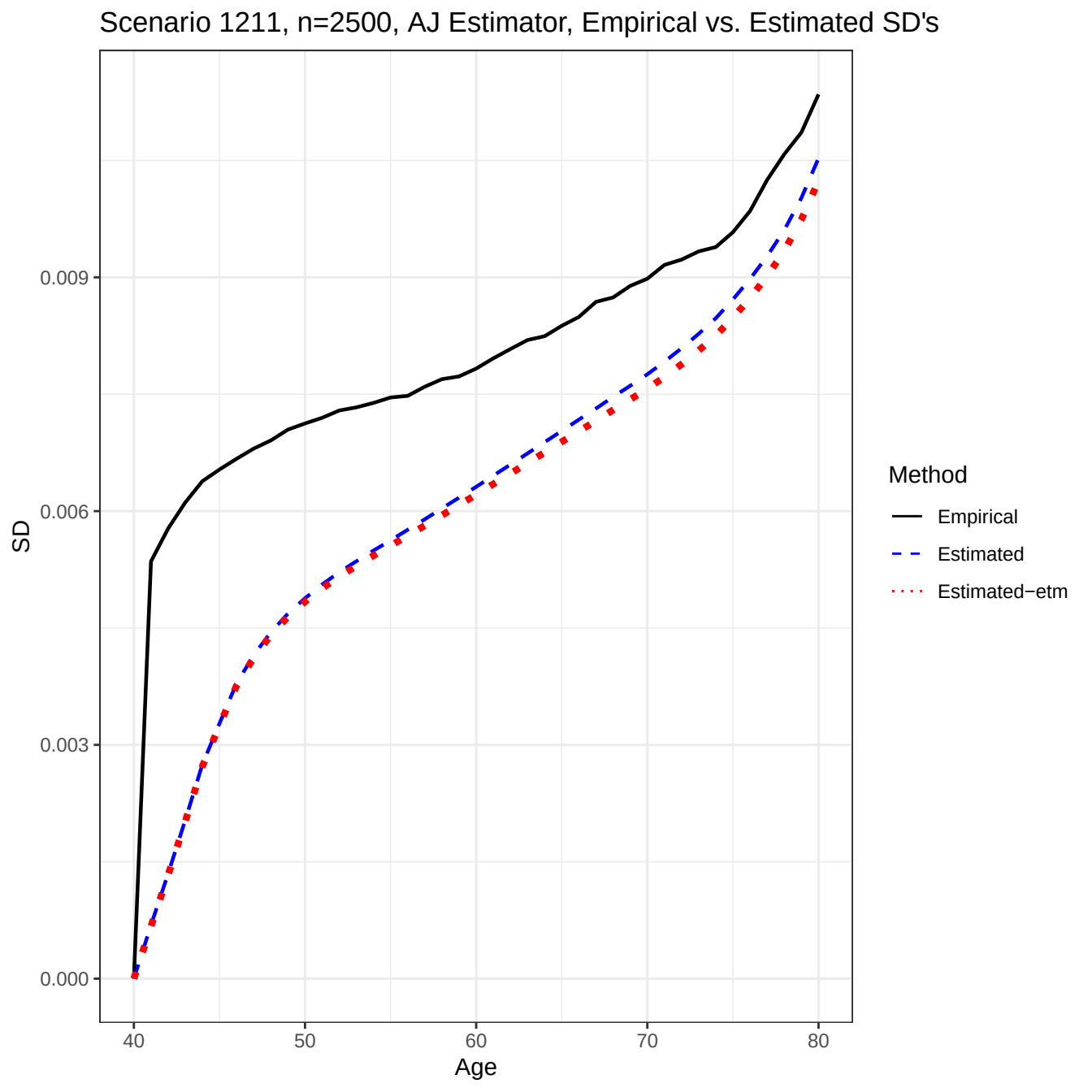
Date/Time: 2024−01−12 14:01:20.378134

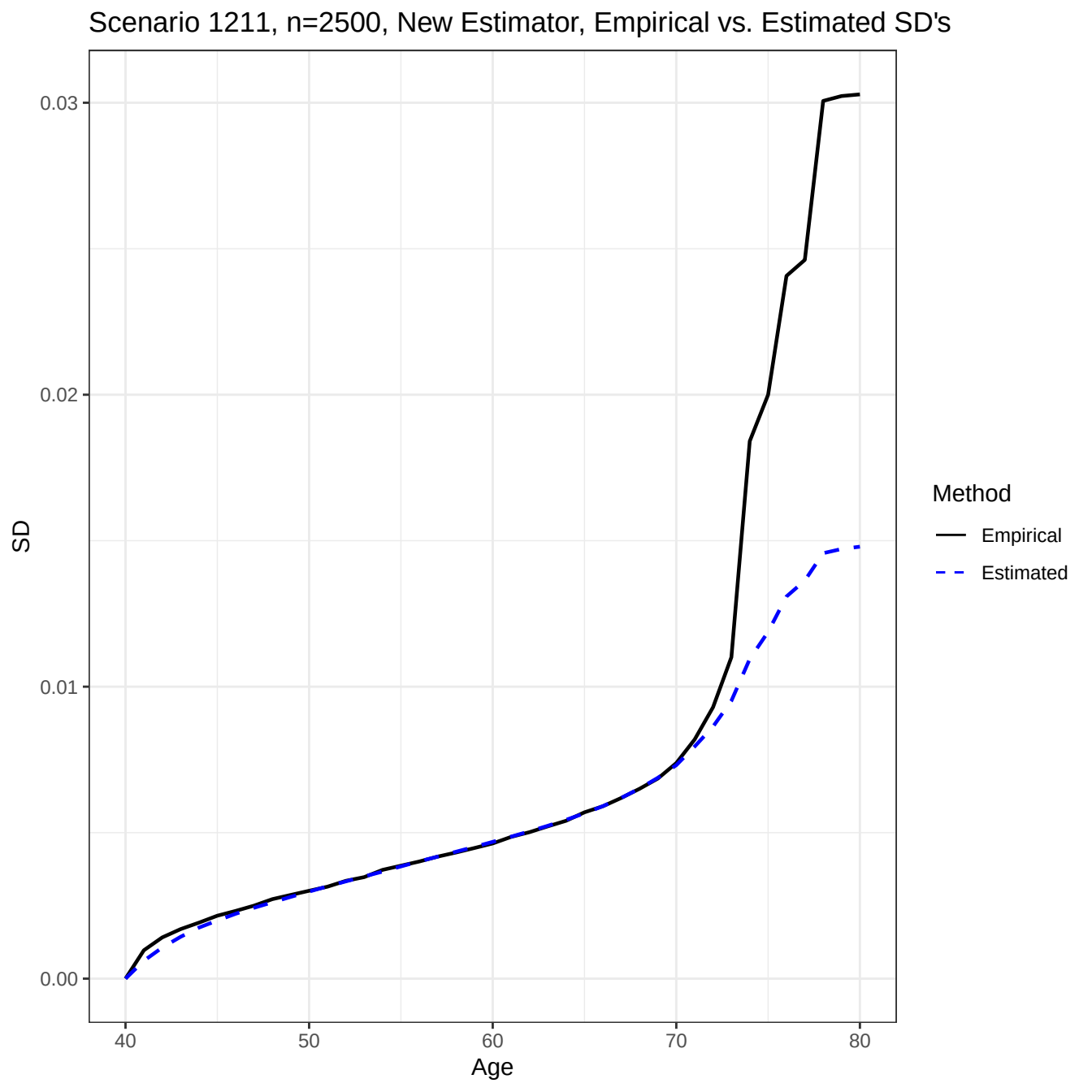

Scenario 1211, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

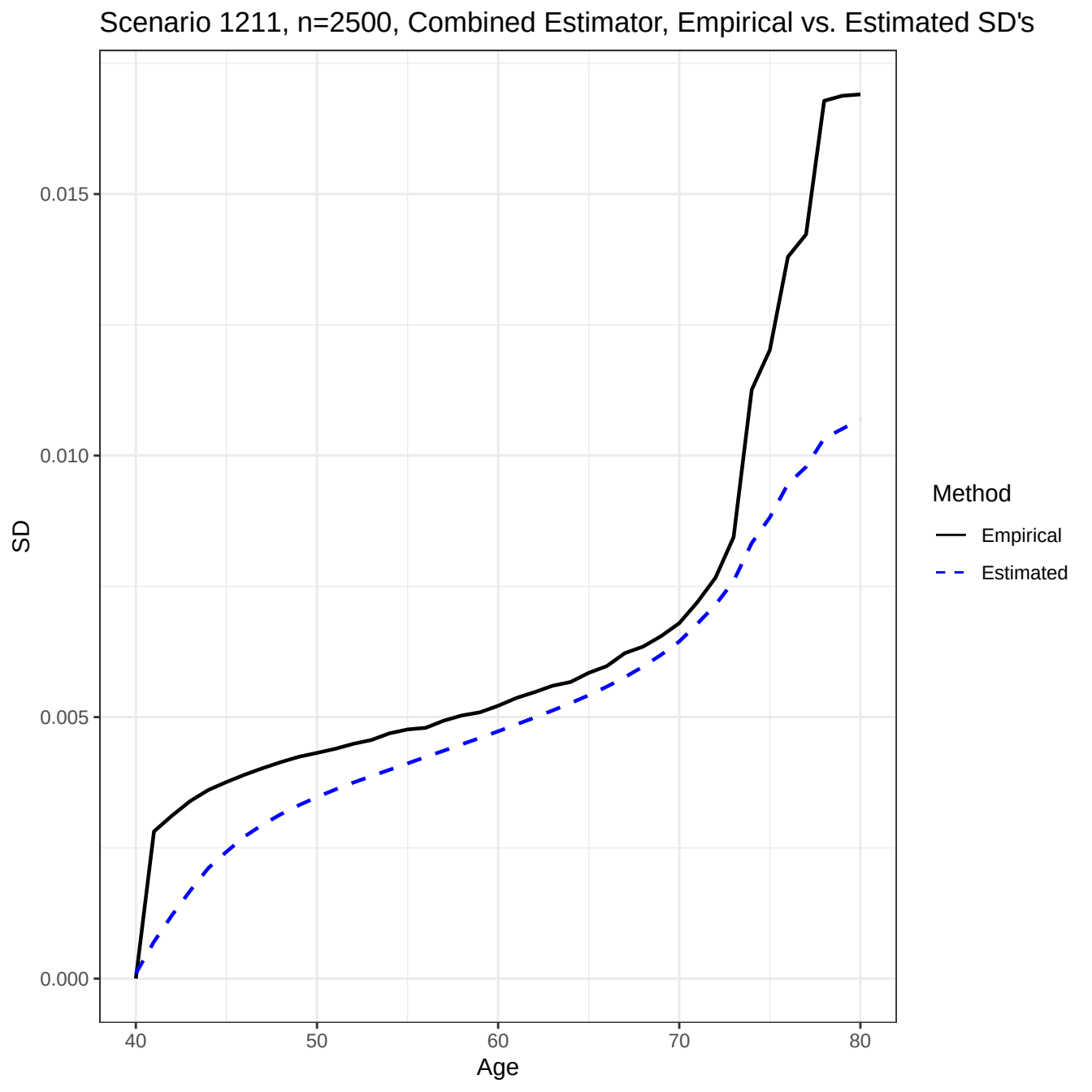

Scenario 1211, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

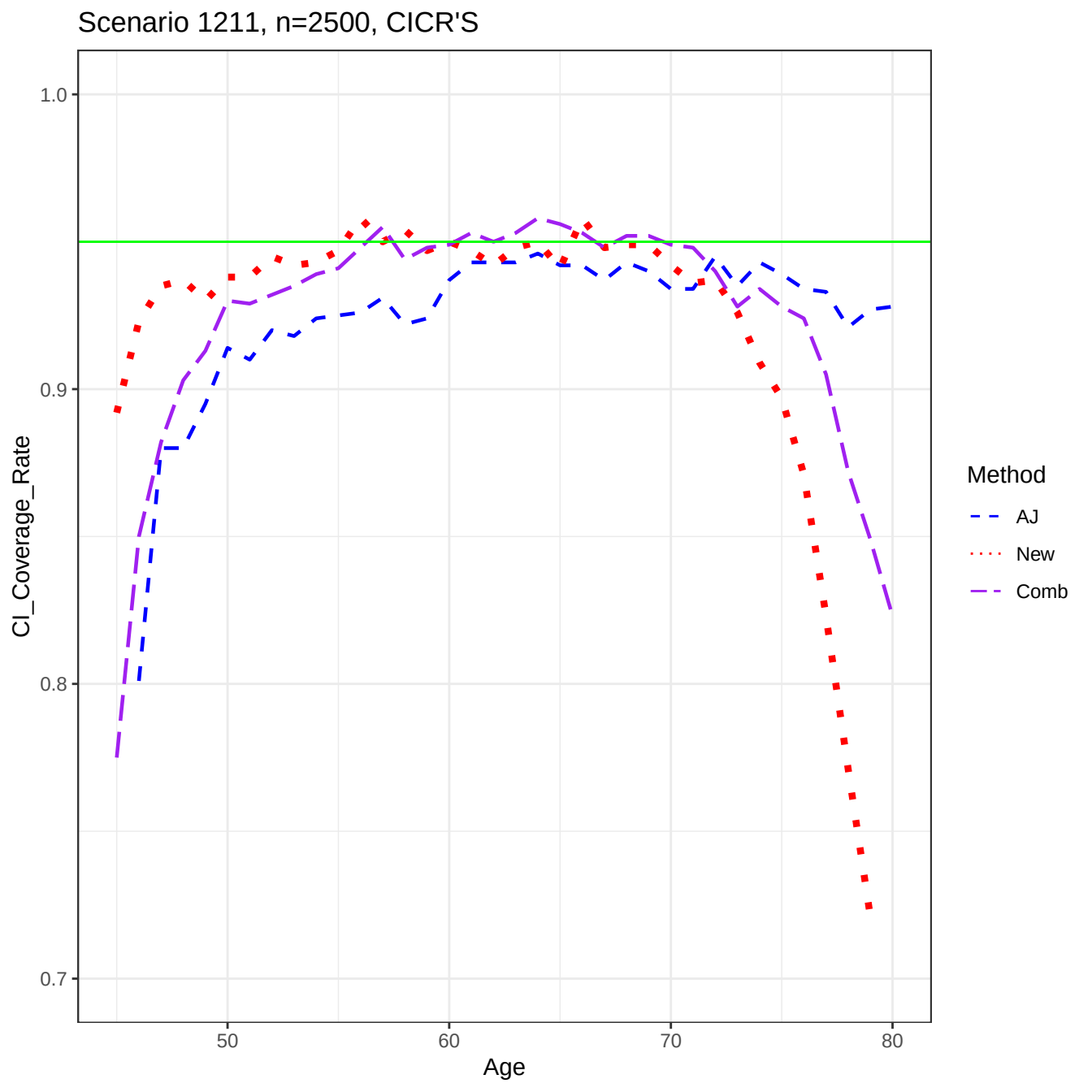

Scenario 1211, n=2500, SD'S
0.03
0.02
0.01
0.00
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

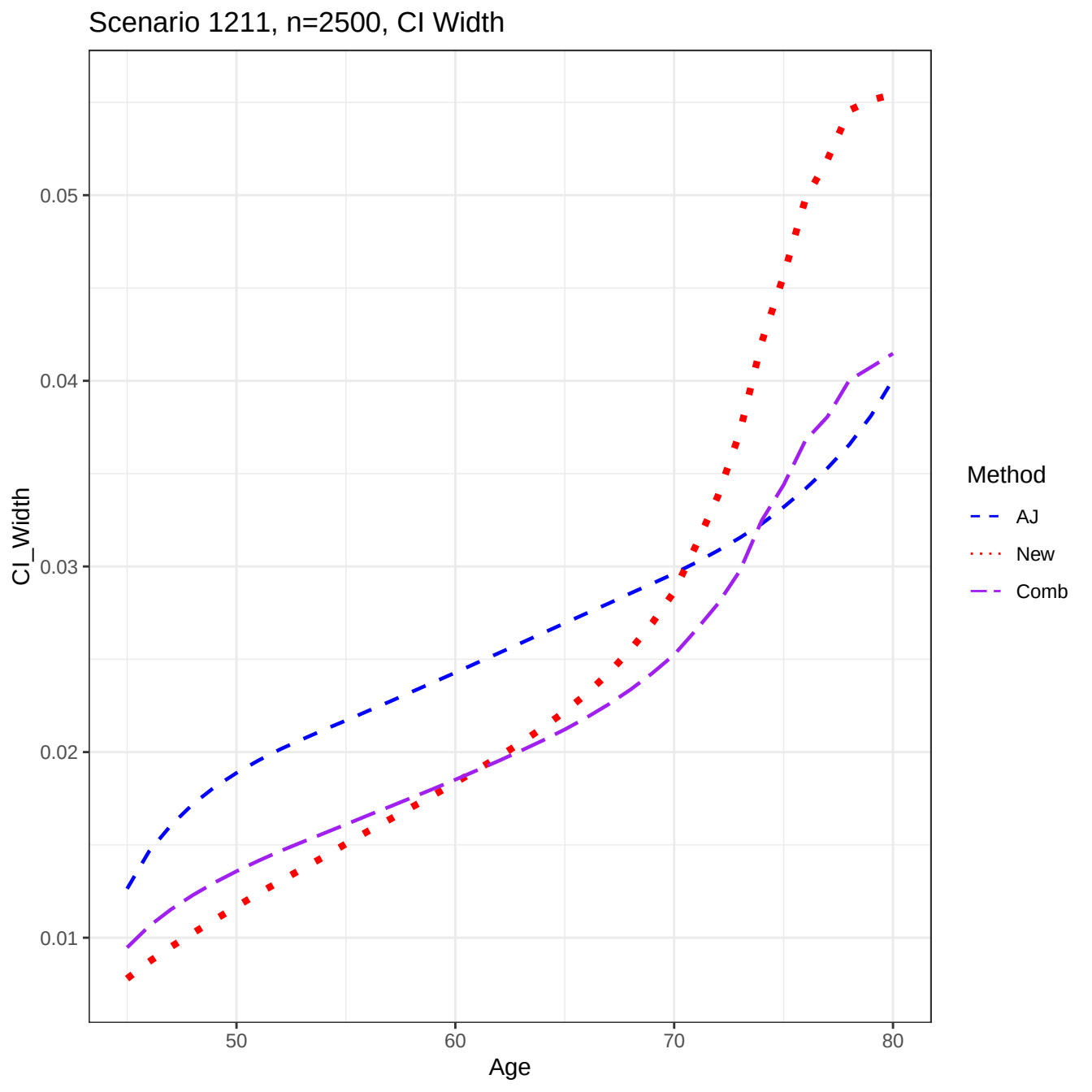

Scenario 1211, n=2500, IQR'S
IQR
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1211, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.003
0.006
0.009
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1211, n=2500, New Estimator, Empirical vs. Estimated SD's
0.03
0.02
0.01
0.00
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1211, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1211, n=2500, CICR'S
CI_Coverage_Rate
1.0
0.9
0.8
0.7
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1211, n=2500, CI Width
CI_Width
0.05
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

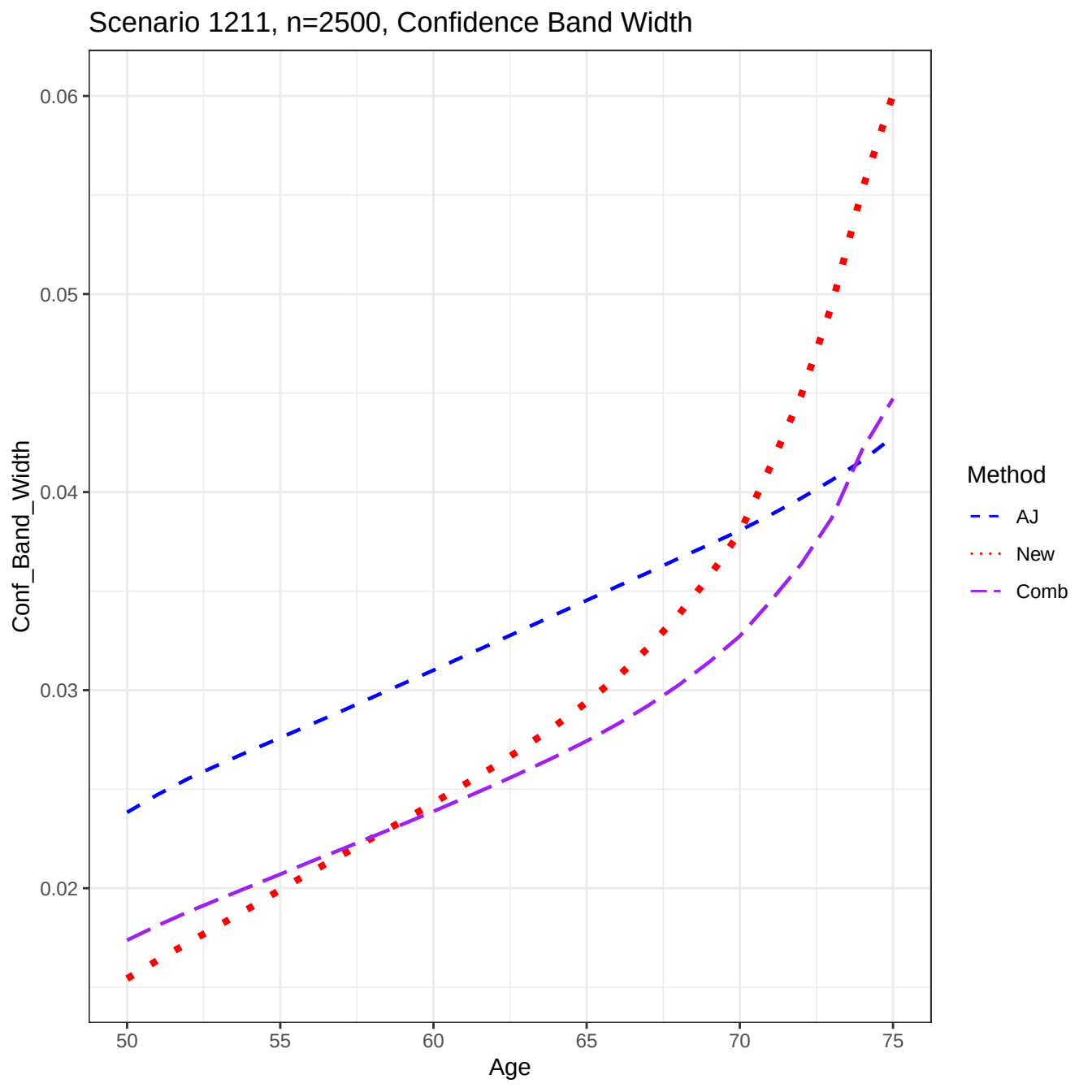
CONFIDENCE BAND COVERAGE RATES

Scenario: 1211

AJ: 0.915

new: 0.901

Combo: 0.921


Scenario 1211, n=2500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
0.02
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1212

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

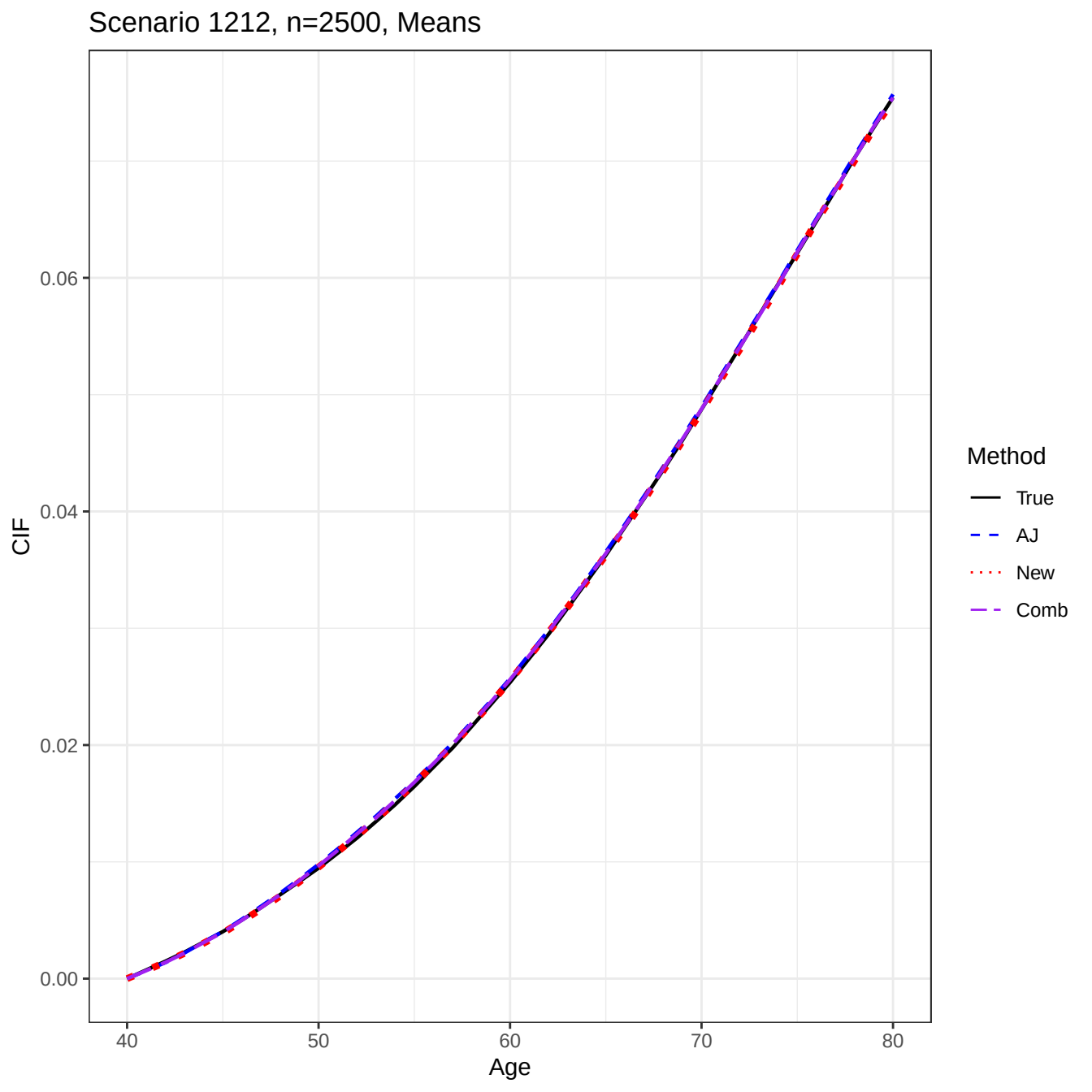
transformation: 0.5*pi − asin(sqrt(1−u))

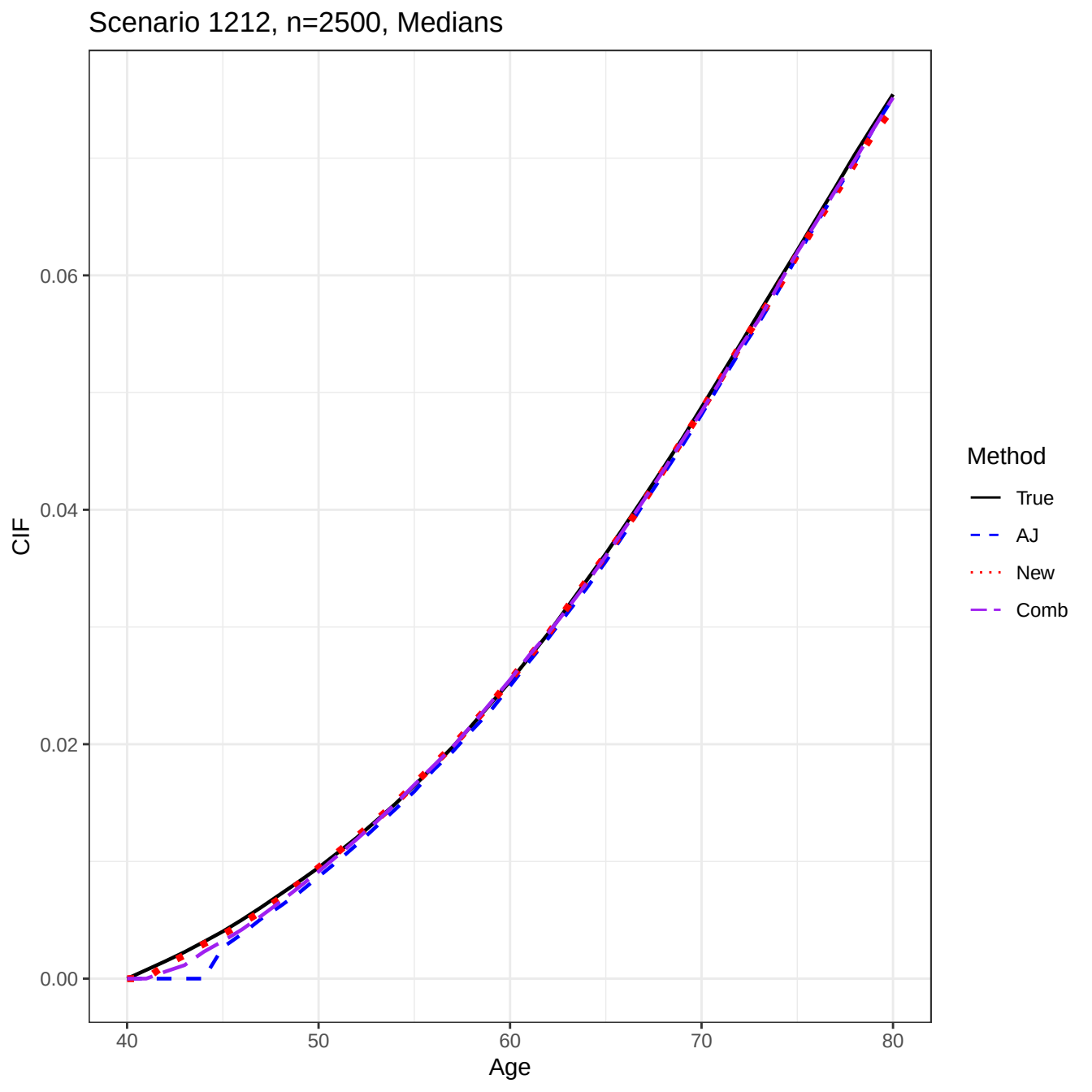
pointwise CI's done by: normal−theory

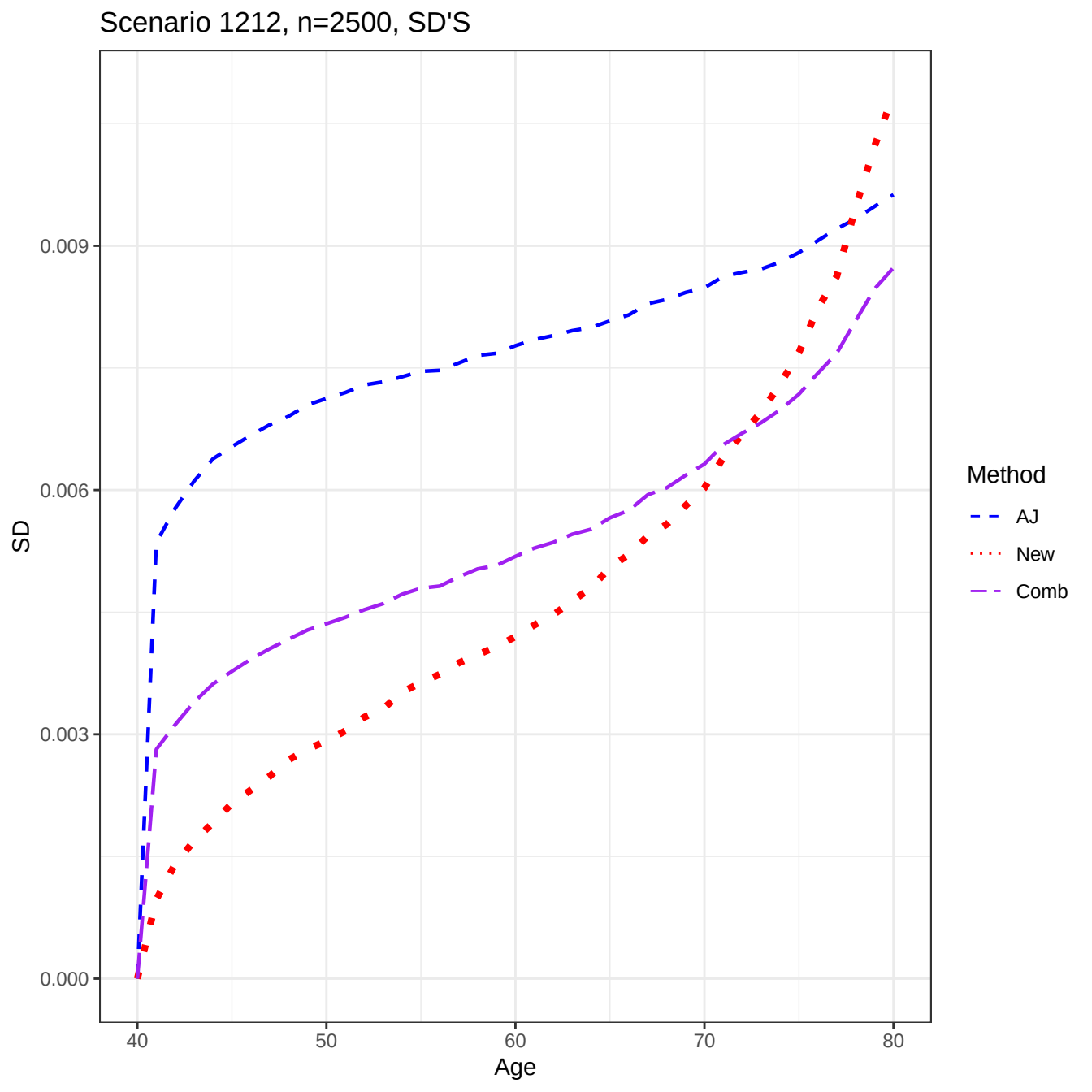
auxflg = FALSE

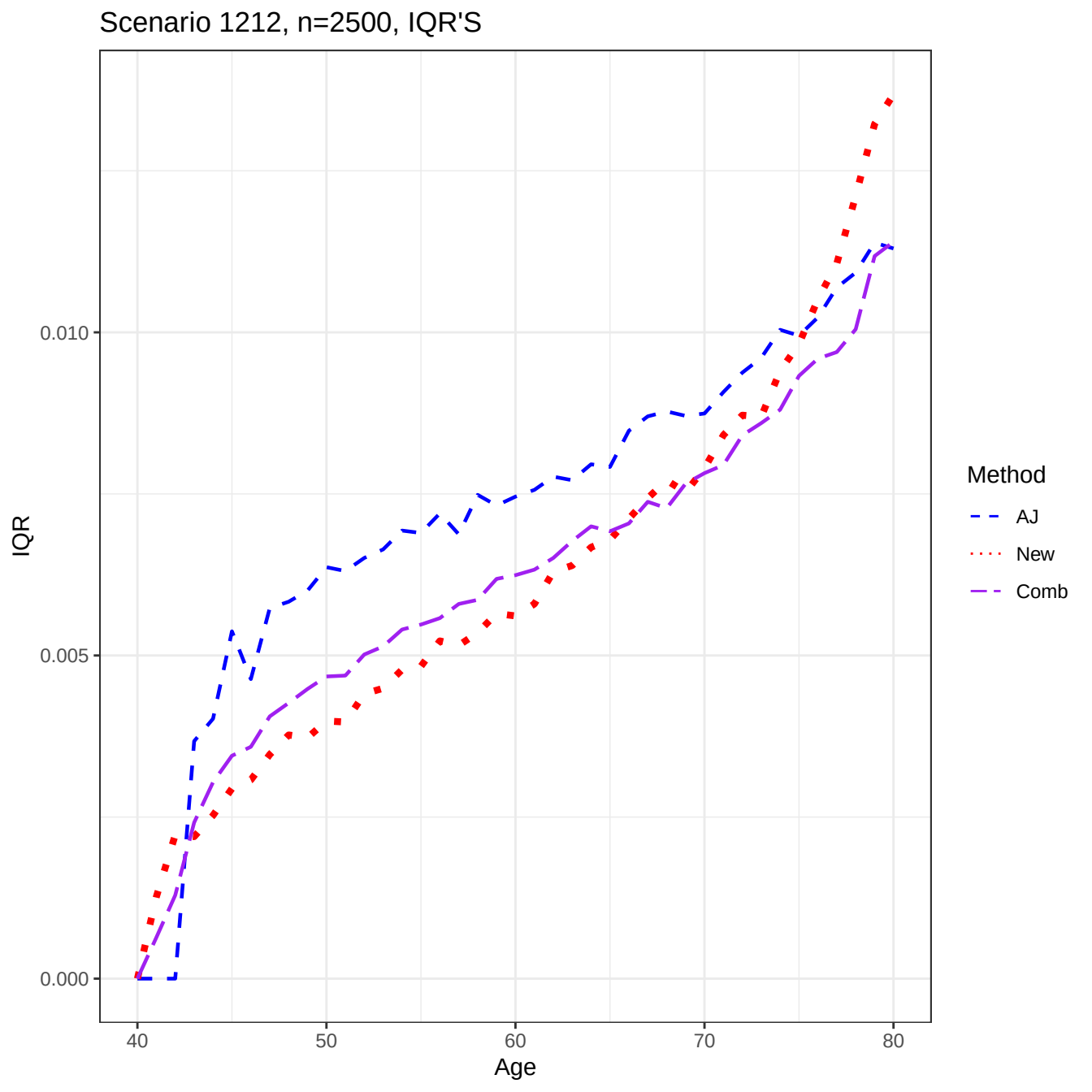
bootstrap weights: normal

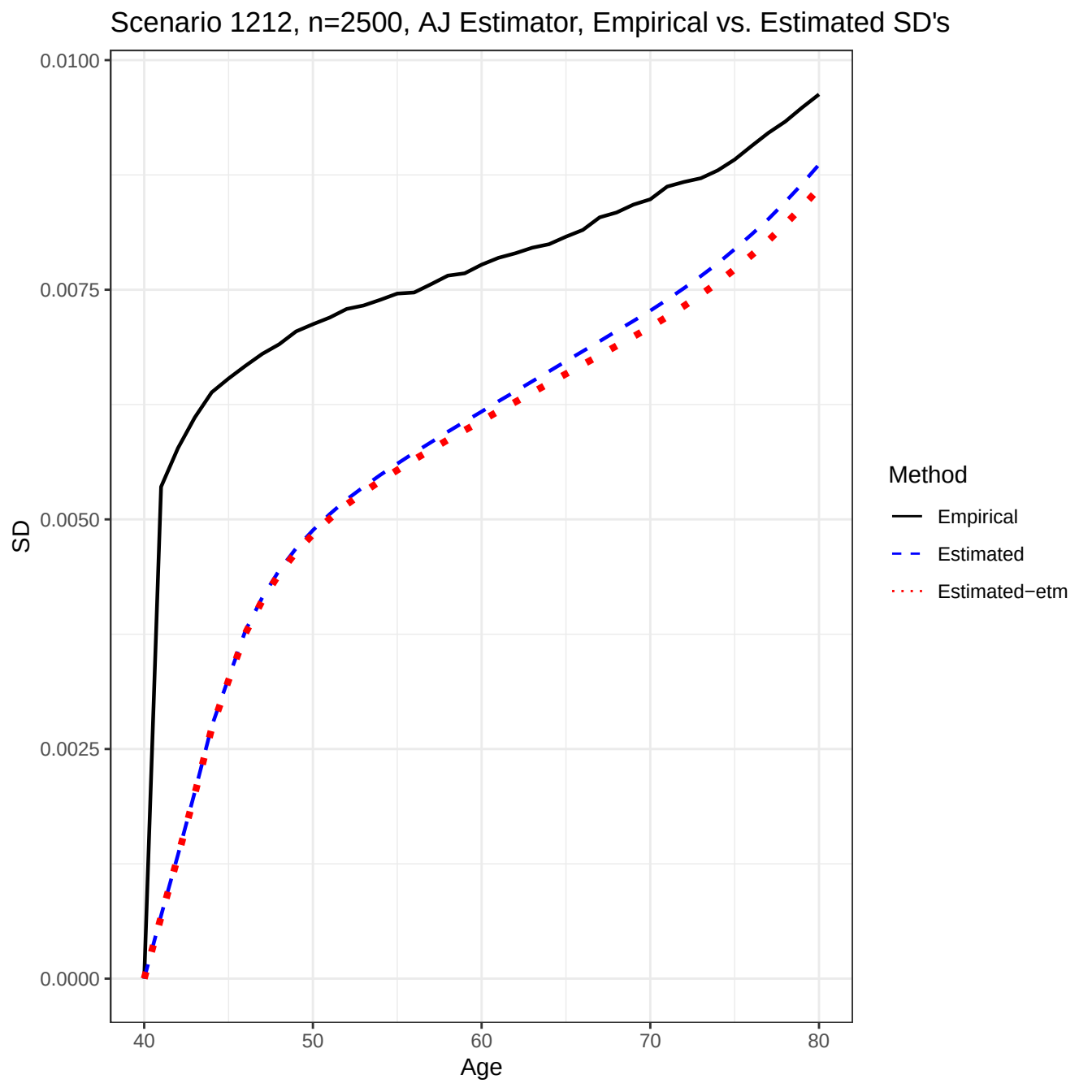
Date/Time: 2024−01−12 14:29:03.987049

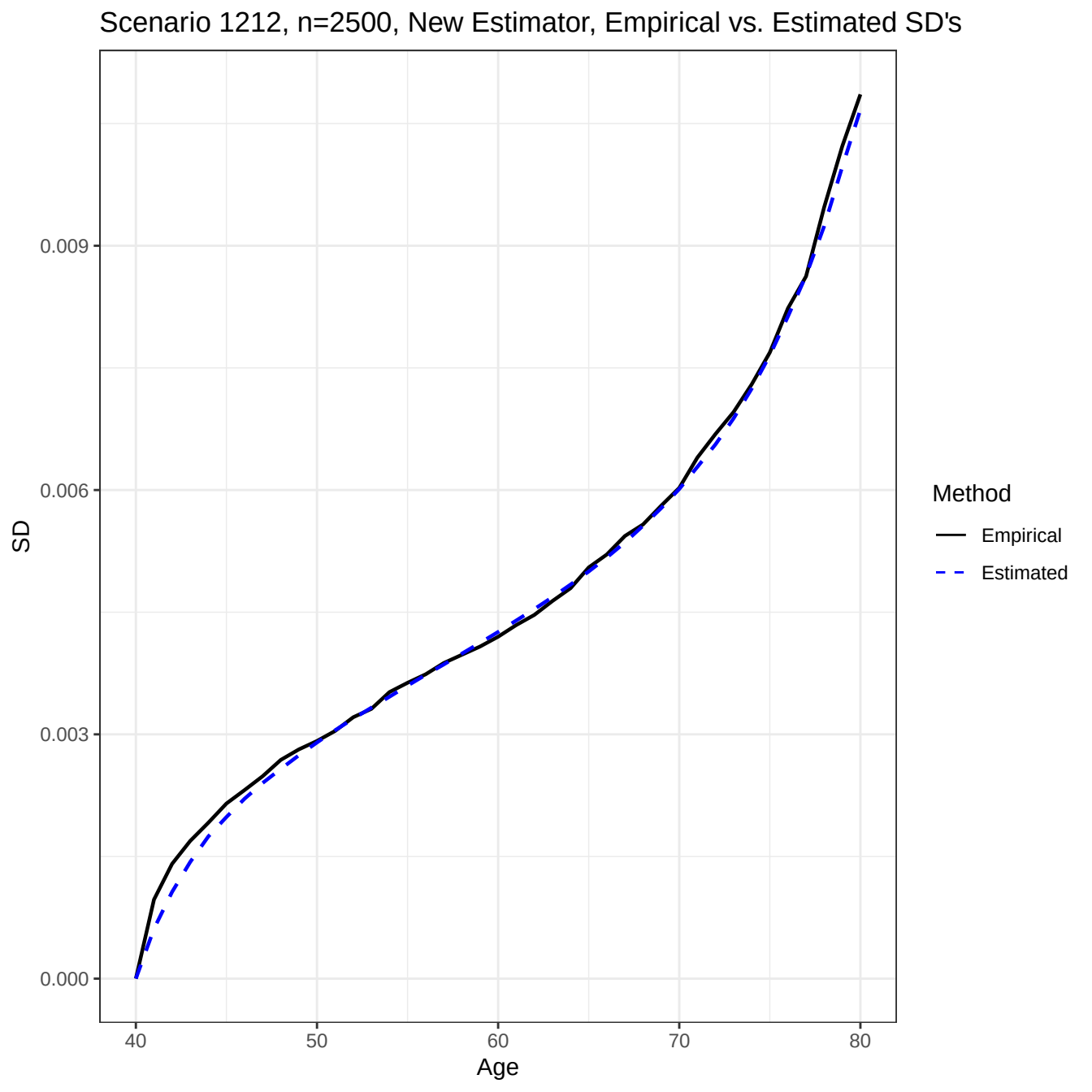

Scenario 1212, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

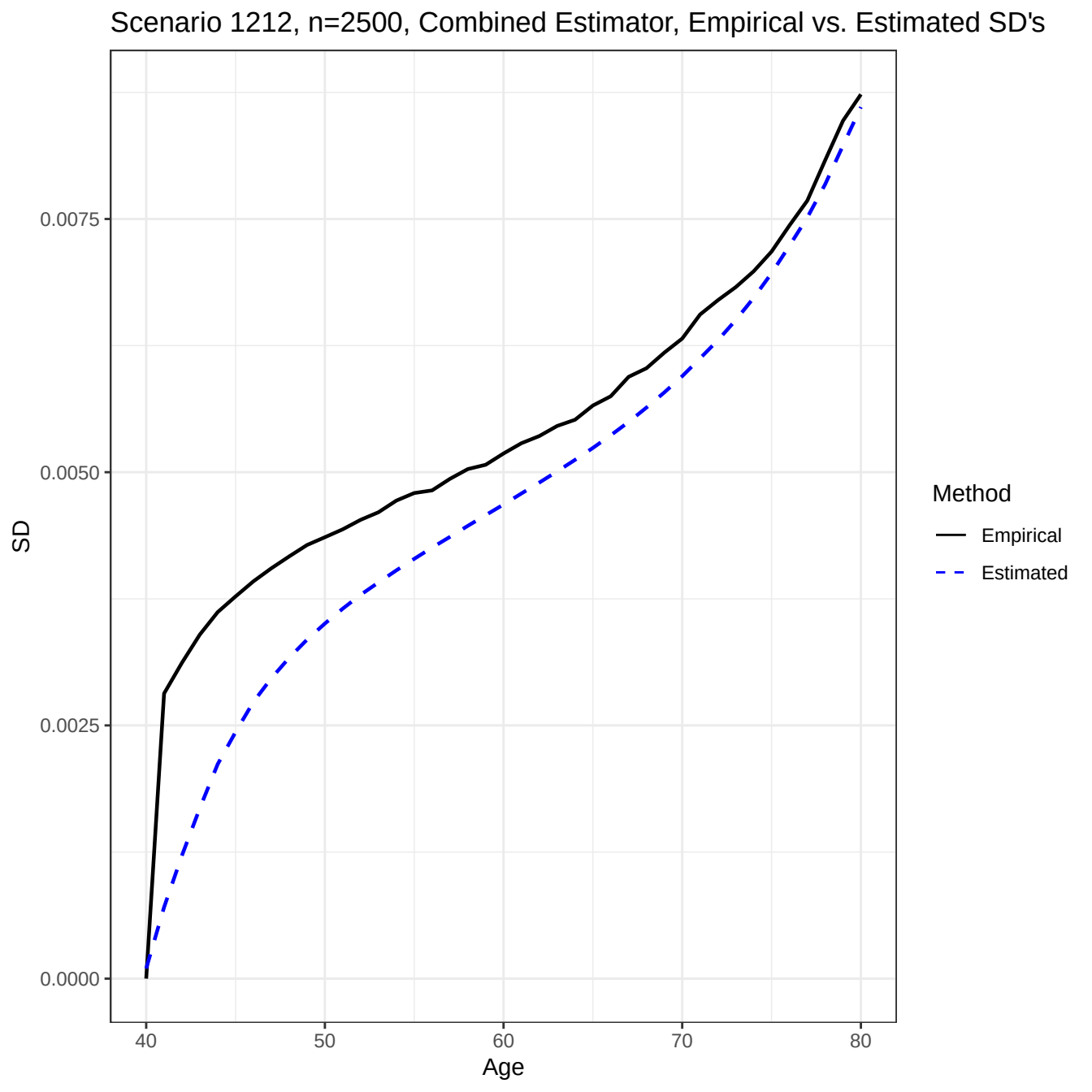

Scenario 1212, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

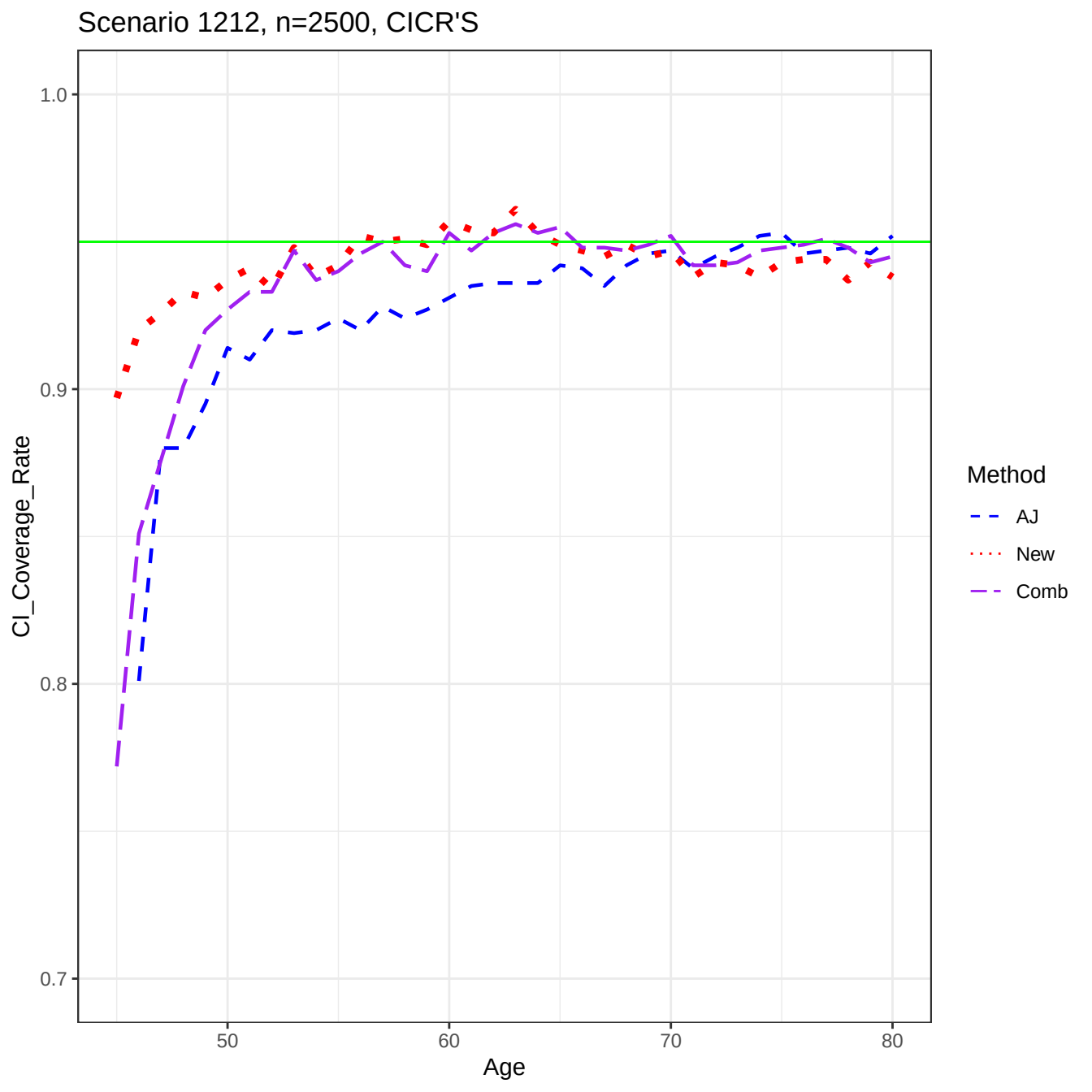

Scenario 1212, n=2500, SD'S
SD
0.009
0.006
0.003
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

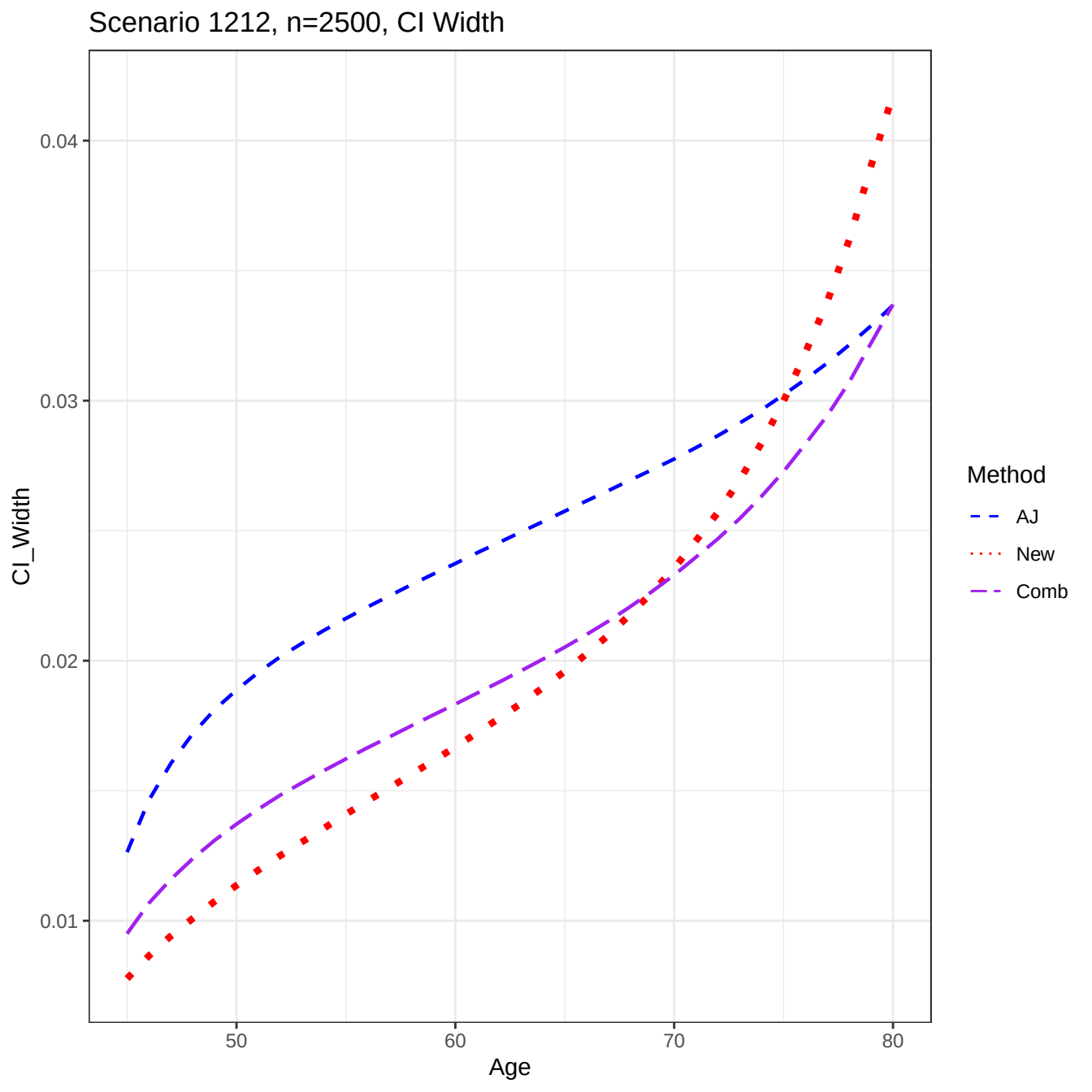

Scenario 1212, n=2500, IQR'S
IQR
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1212, n=2500, AJ Estimator, Empirical vs. Estimated SD's
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1212, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.009
0.006
0.003
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1212, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1212, n=2500, CICR'S
CI_Coverage_Rate
1.0
0.9
0.8
0.7
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1212, n=2500, CI Width
0.04
0.03
0.02
0.01
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

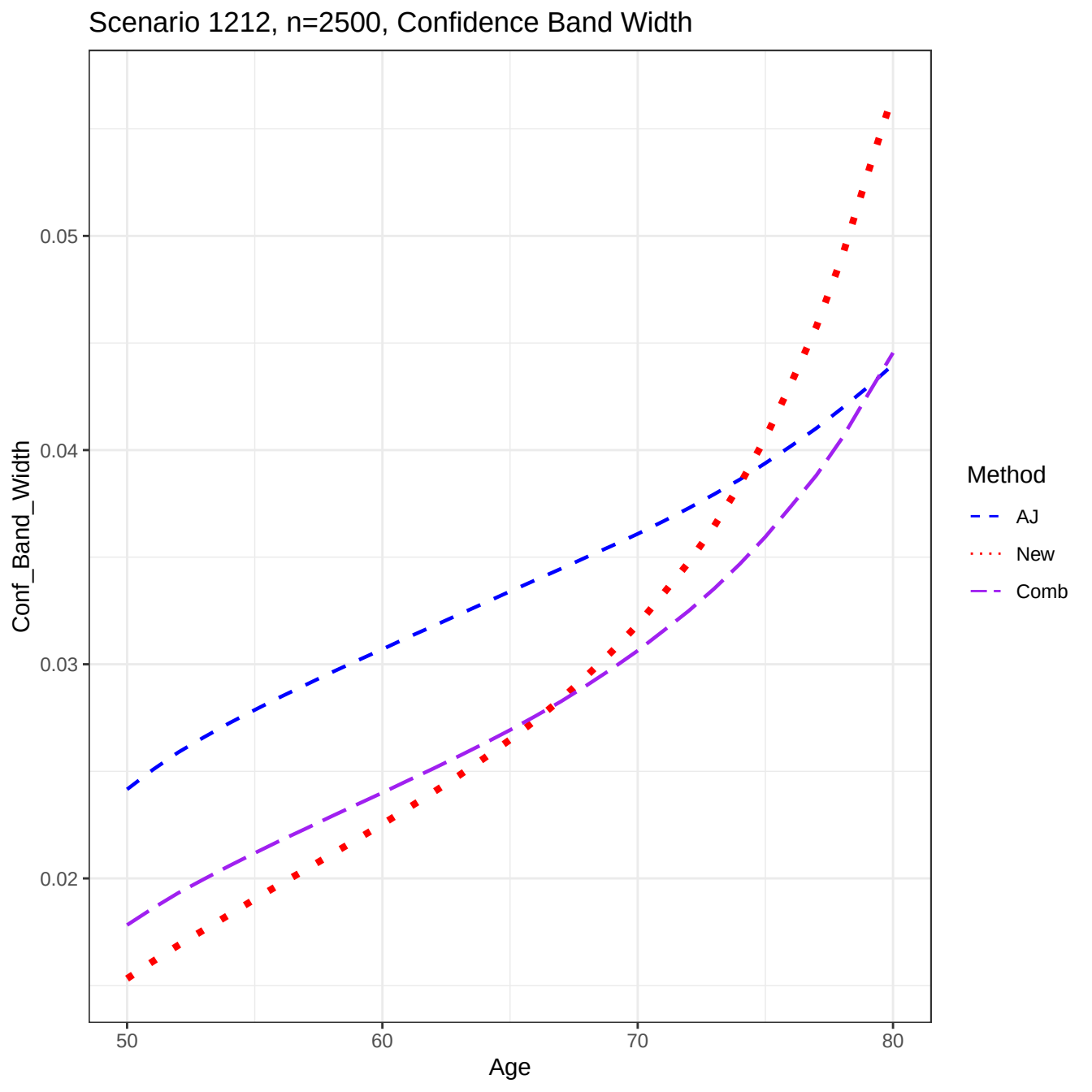
CONFIDENCE BAND COVERAGE RATES

Scenario: 1212

AJ: 0.92

new: 0.923

Combo: 0.926


Scenario 1212, n=2500, Confidence Band Width
Conf_Band_Width
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1221

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

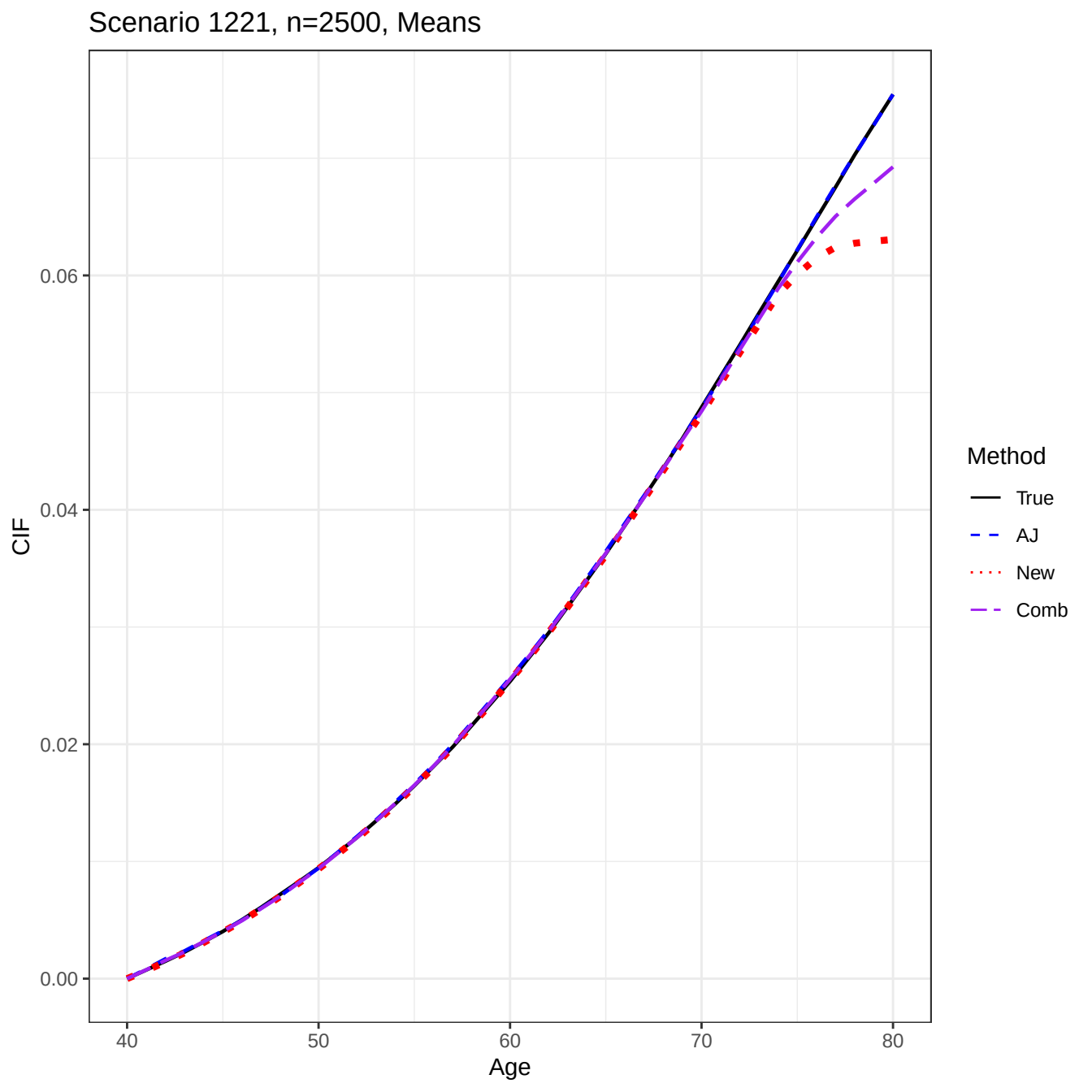
transformation: 0.5*pi − asin(sqrt(1−u))

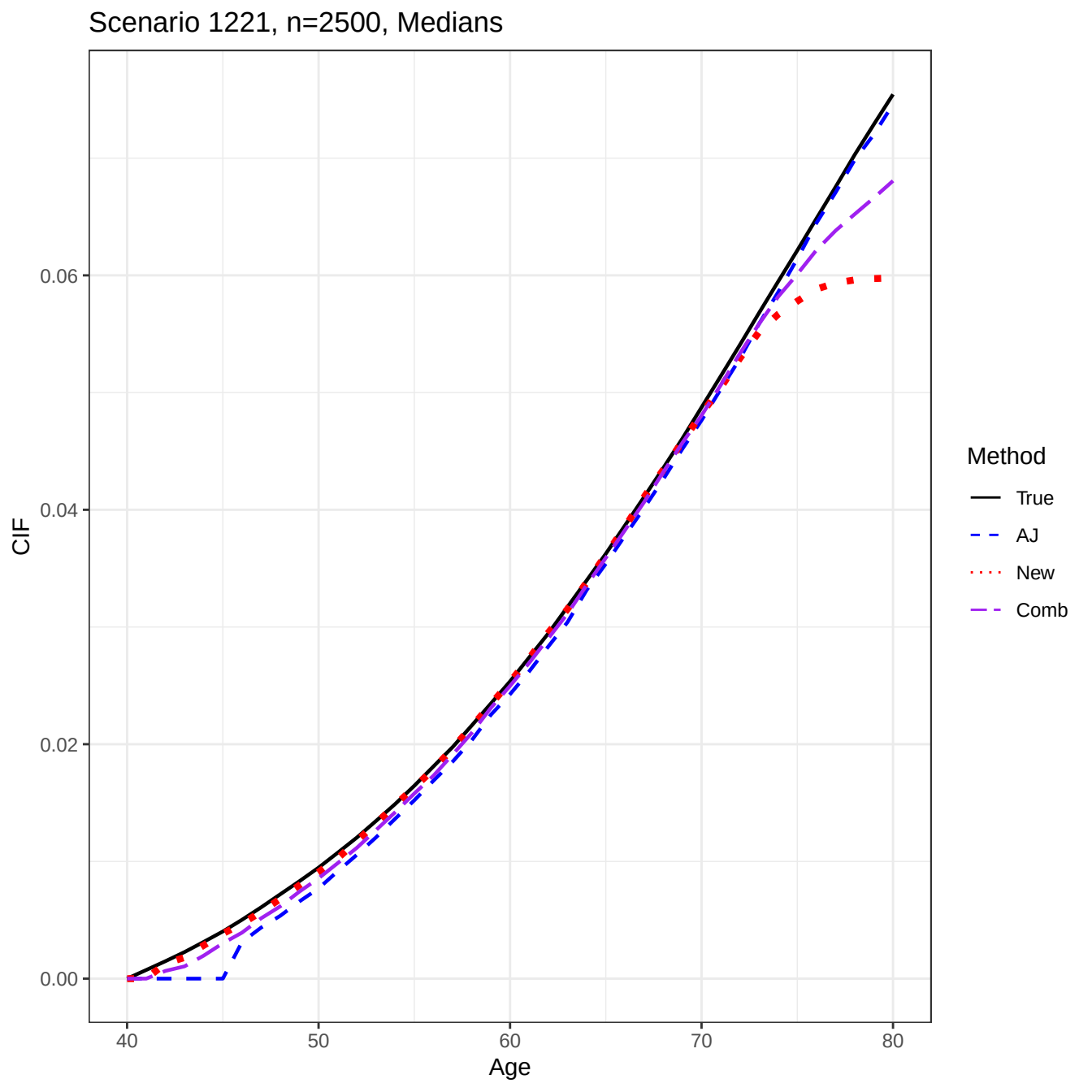
pointwise CI's done by: normal−theory

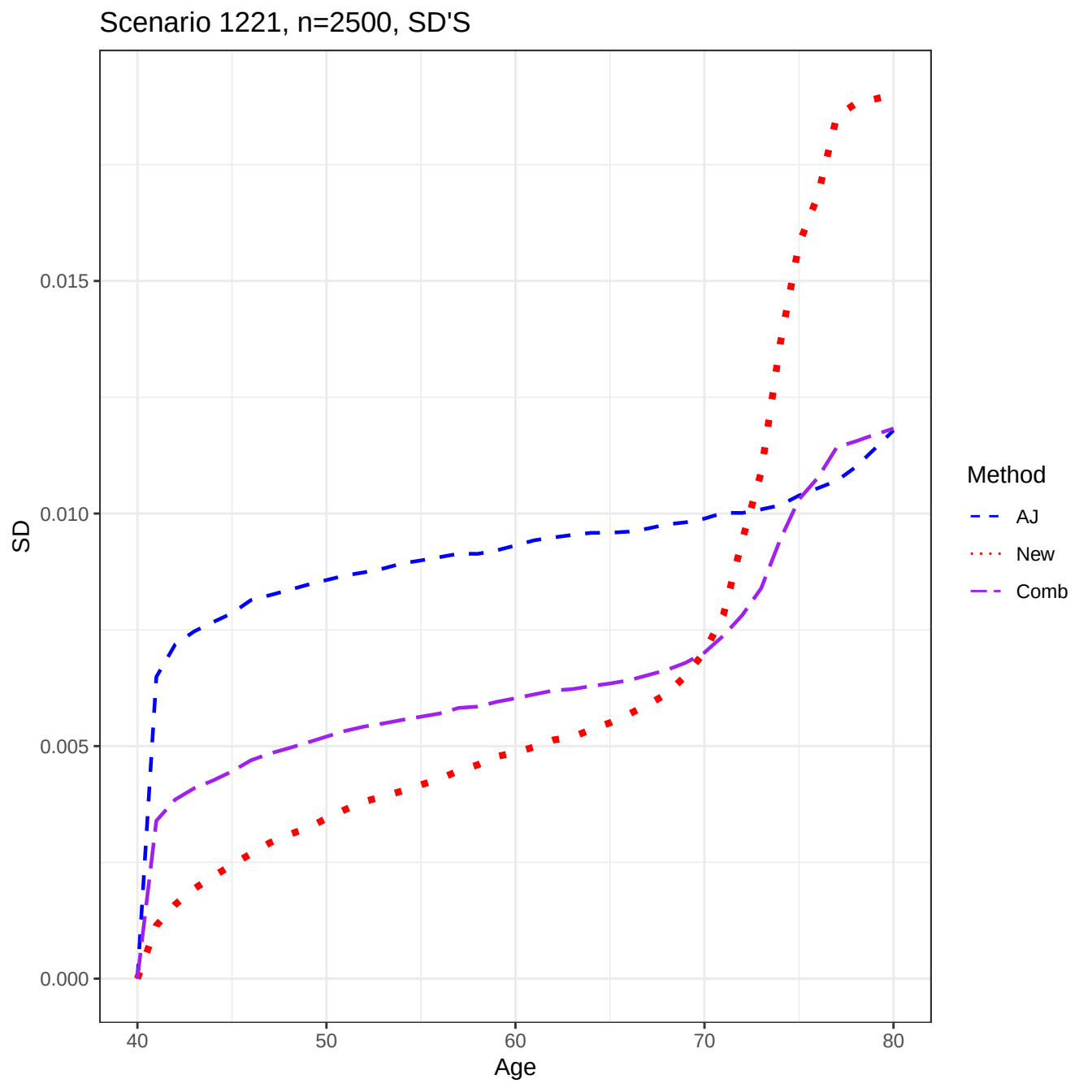
auxflg = FALSE

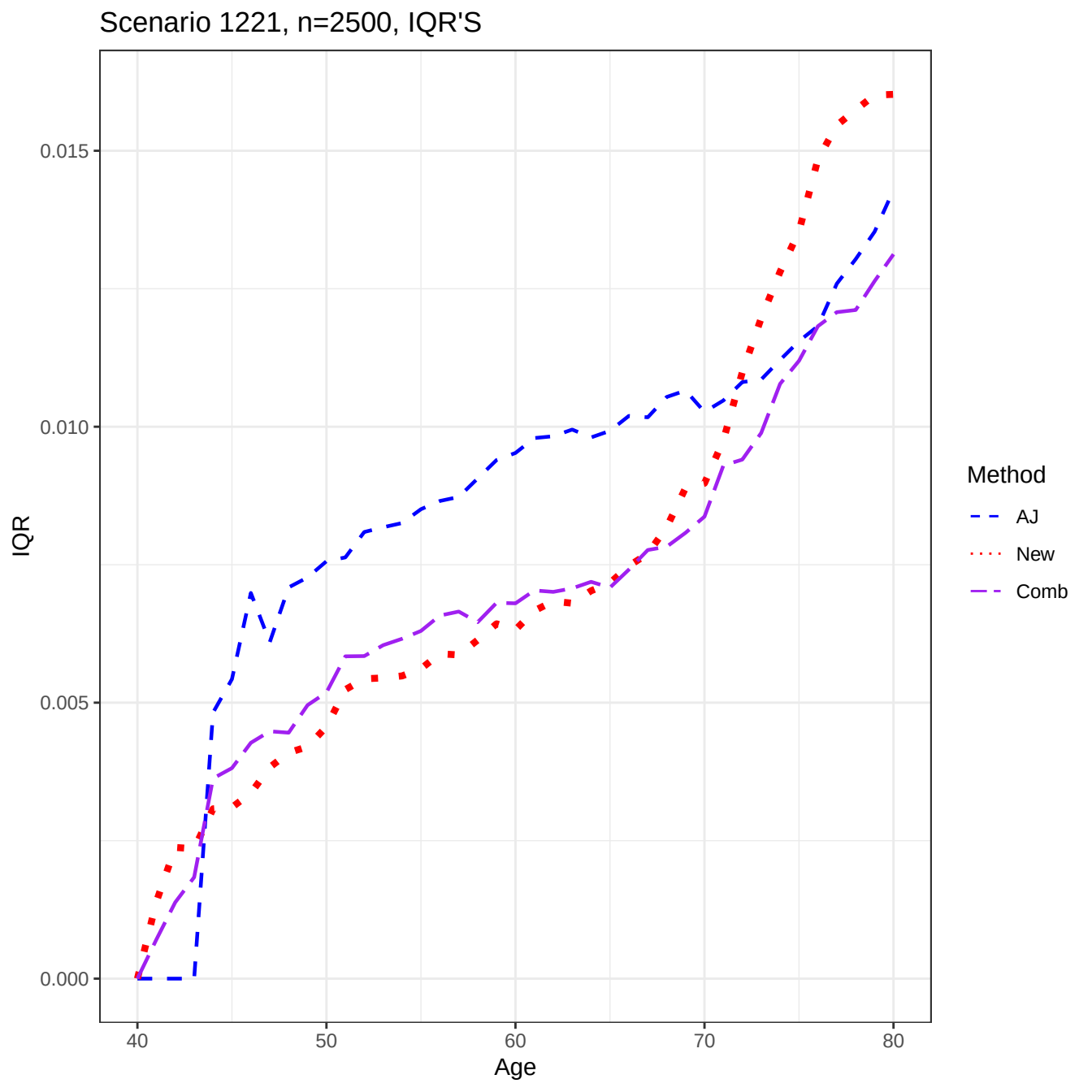
bootstrap weights: normal

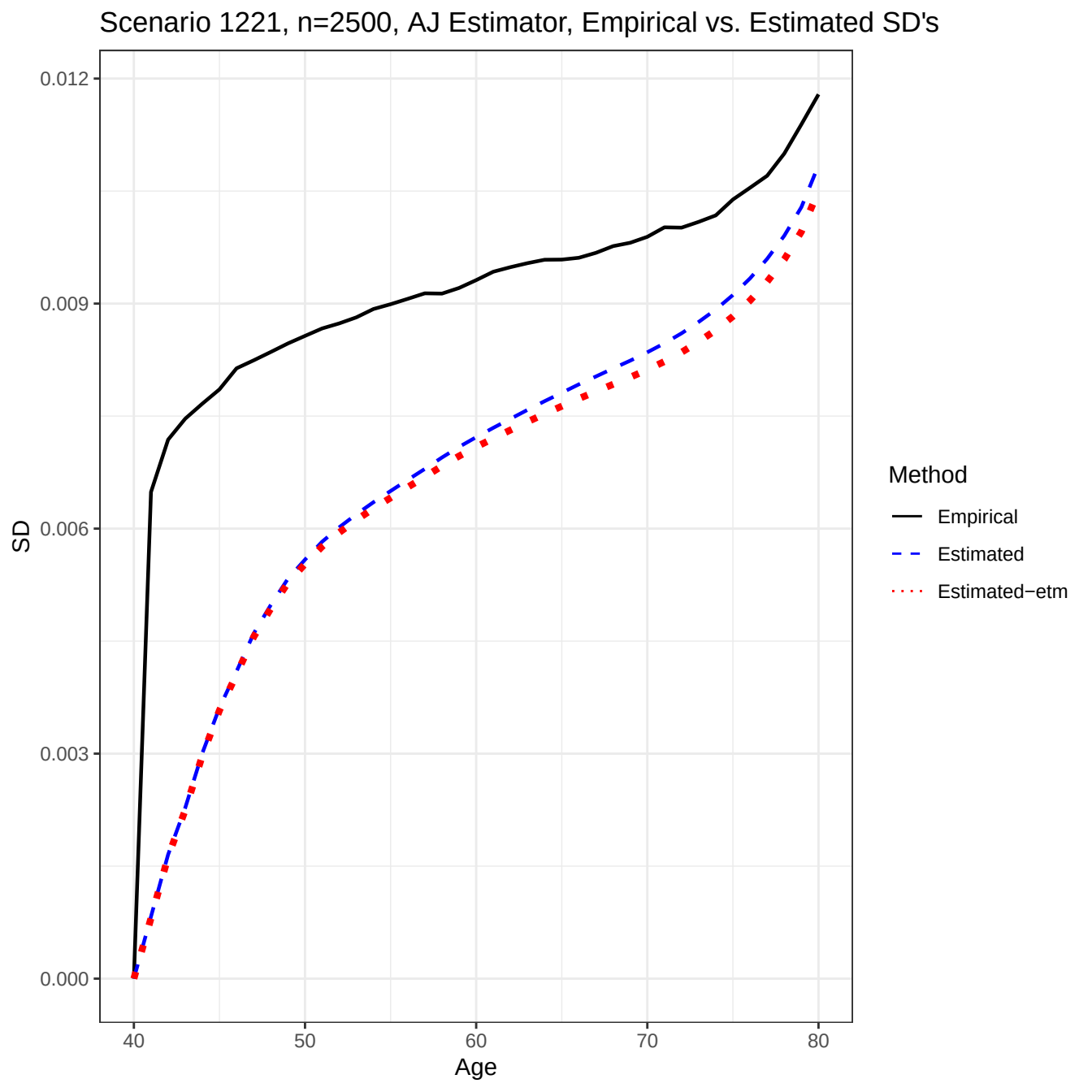
Date/Time: 2024−01−12 15:01:22.470346

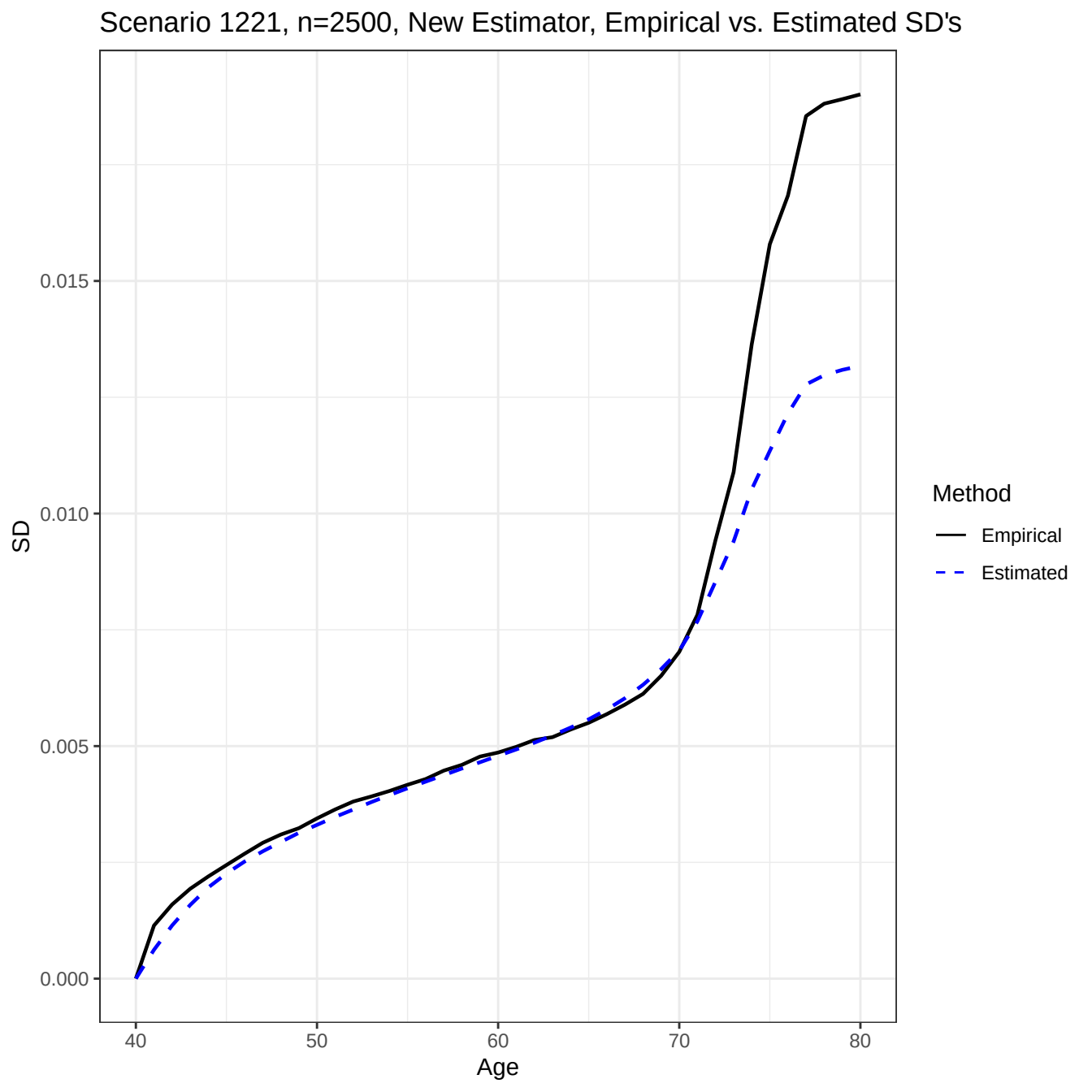

Scenario 1221, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

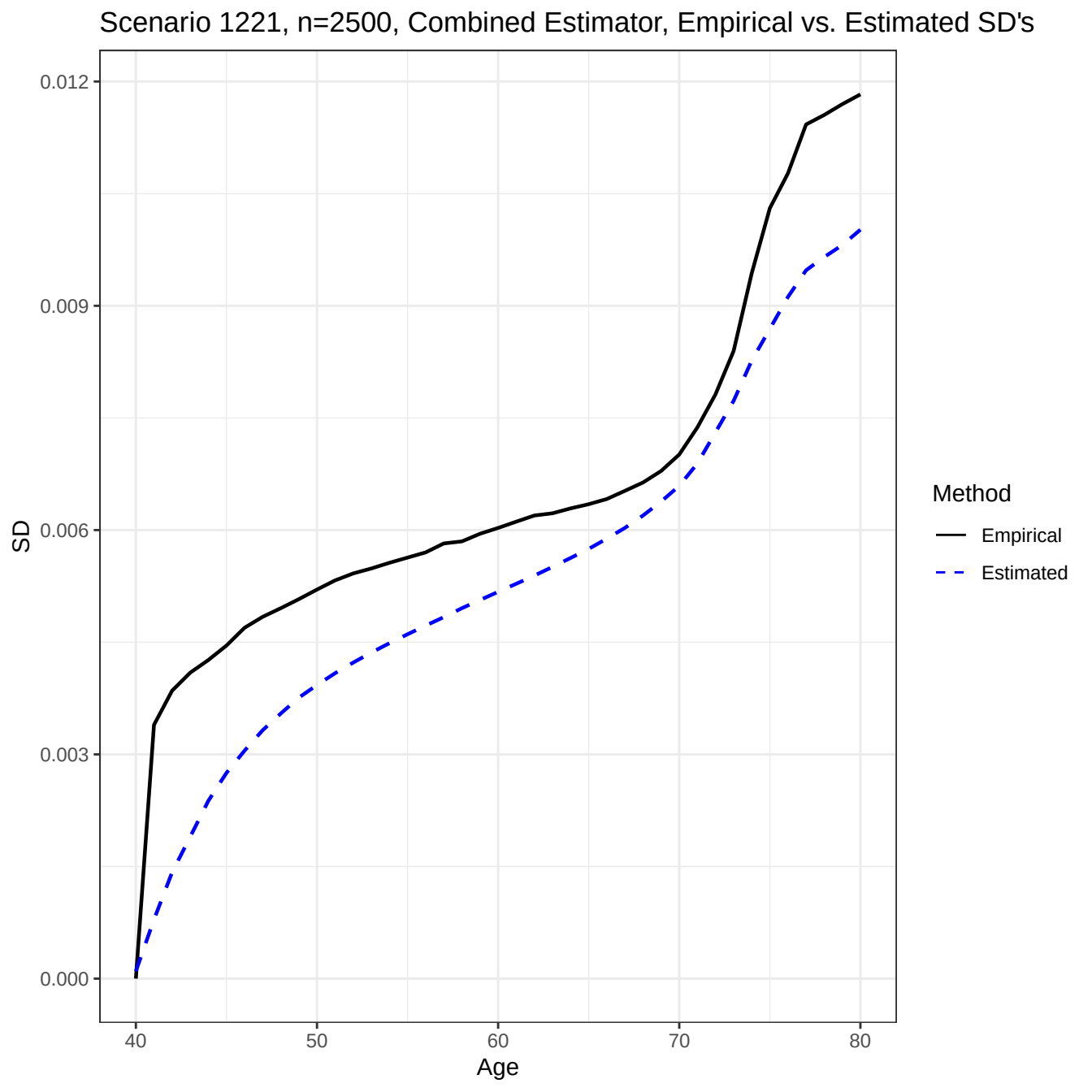

Scenario 1221, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

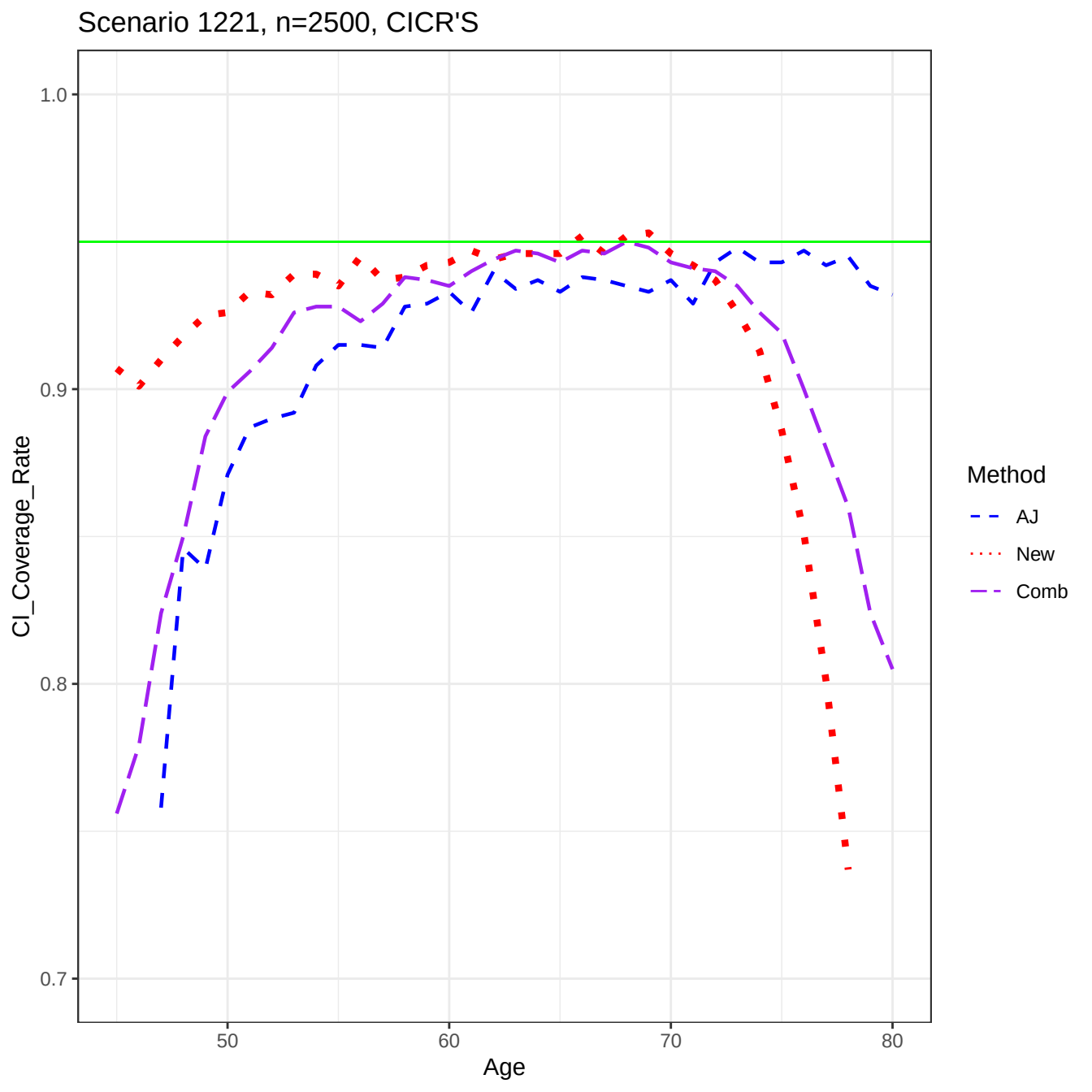

Scenario 1221, n=2500, SD'S
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

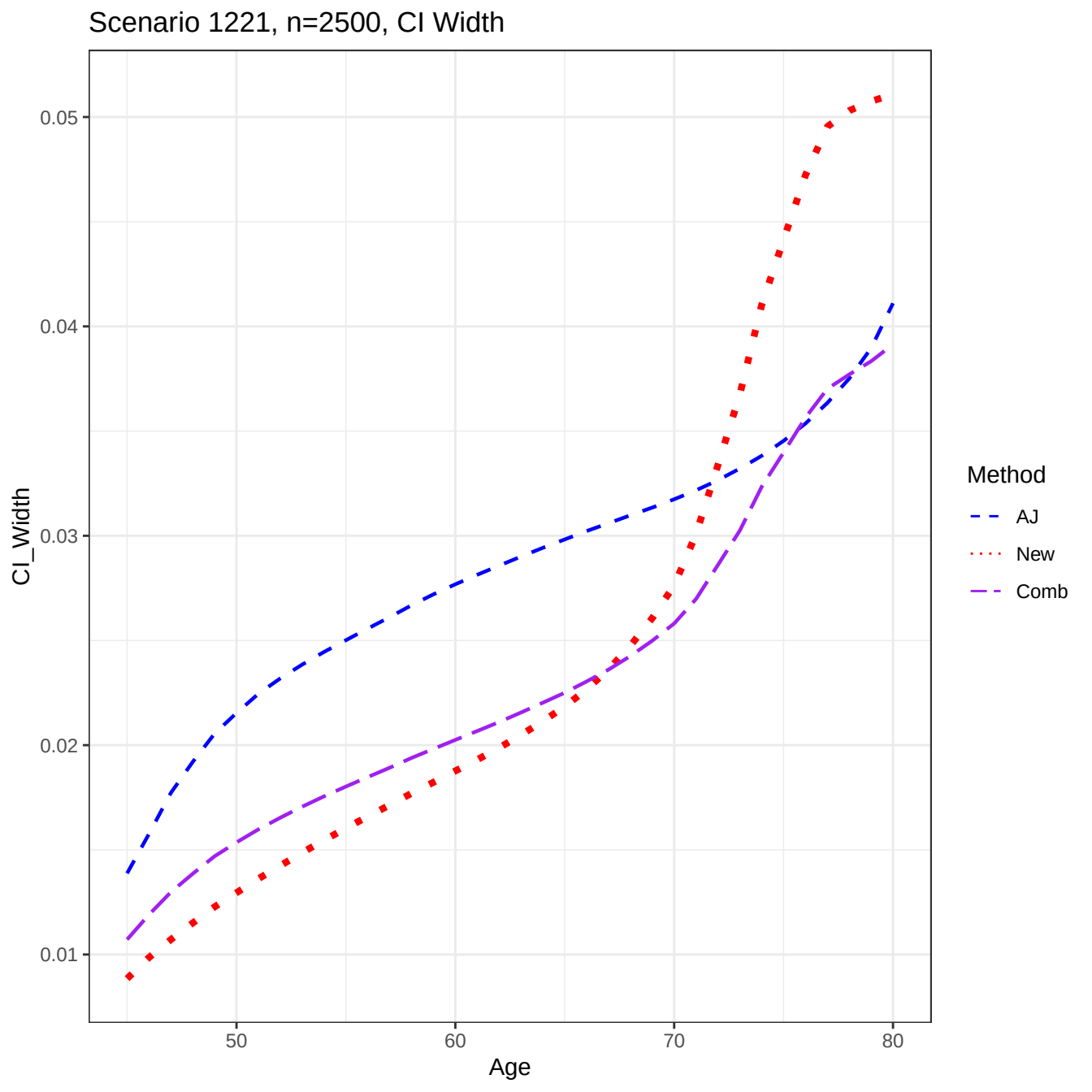

Scenario 1221, n=2500, IQR'S
IQR
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1221, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.012
0.009
0.006
0.003
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1221, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1221, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.012
0.009
0.006
0.003
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1221, n=2500, CICR'S
CI_Coverage_Rate
1.0
0.9
0.8
0.7
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1221, n=2500, CI Width
CI_Width
0.05
0.04
0.03
0.02
0.01
50
60
70
80
Age
Method
AJ
New
Comb

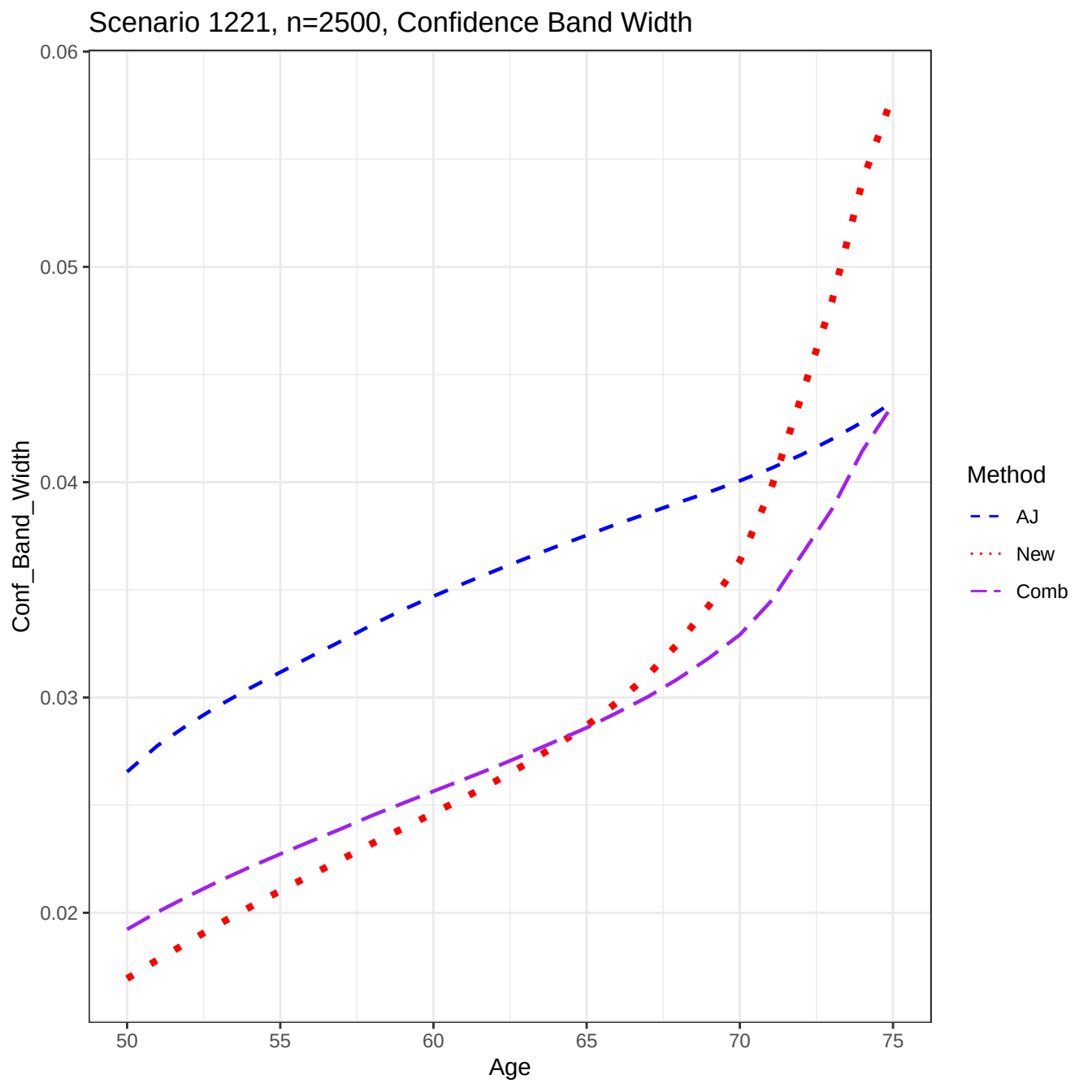
CONFIDENCE BAND COVERAGE RATES

Scenario: 1221

AJ: 0.895

new: 0.897

Combo: 0.88


Scenario 1221, n=2500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
0.02
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 1222

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

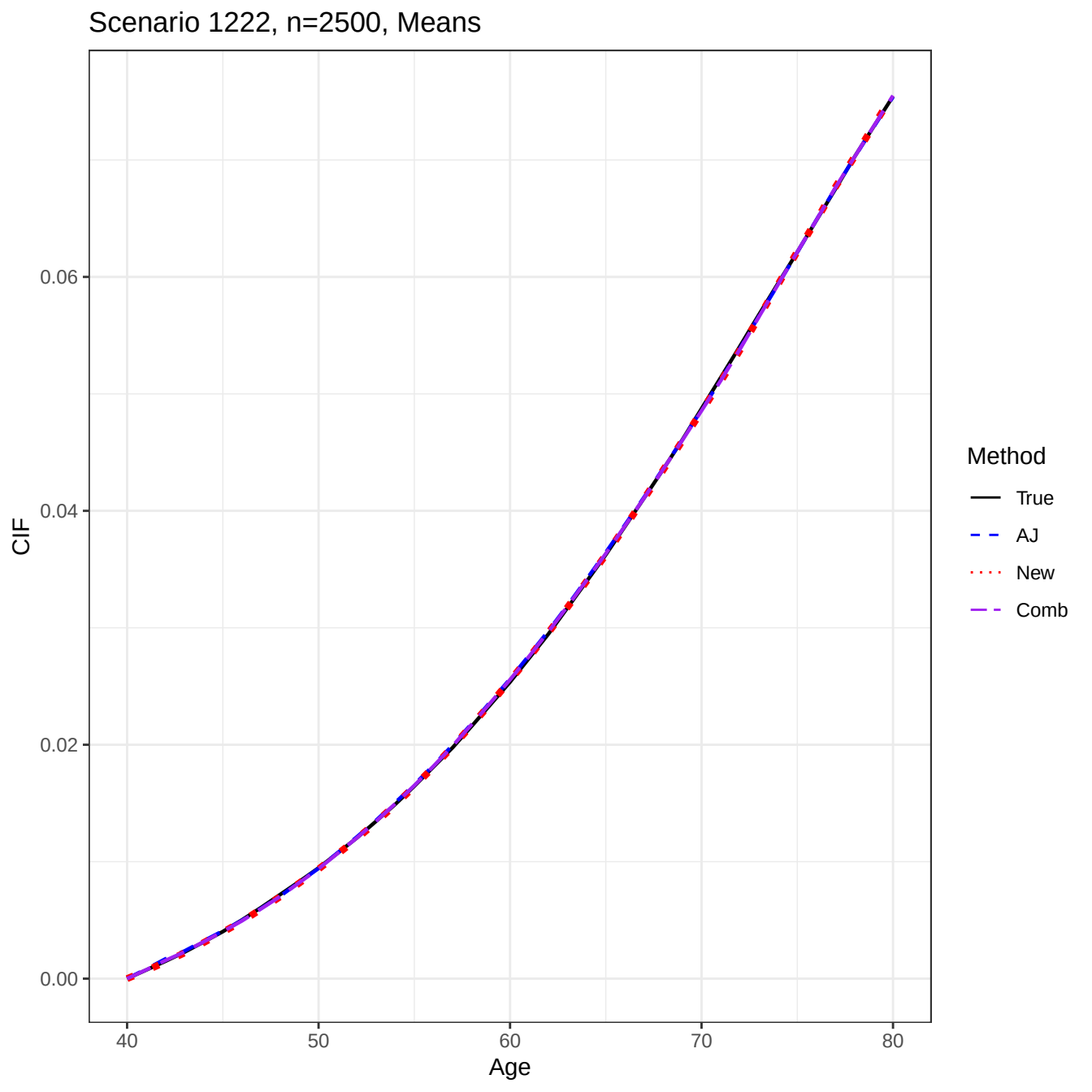
transformation: 0.5*pi − asin(sqrt(1−u))

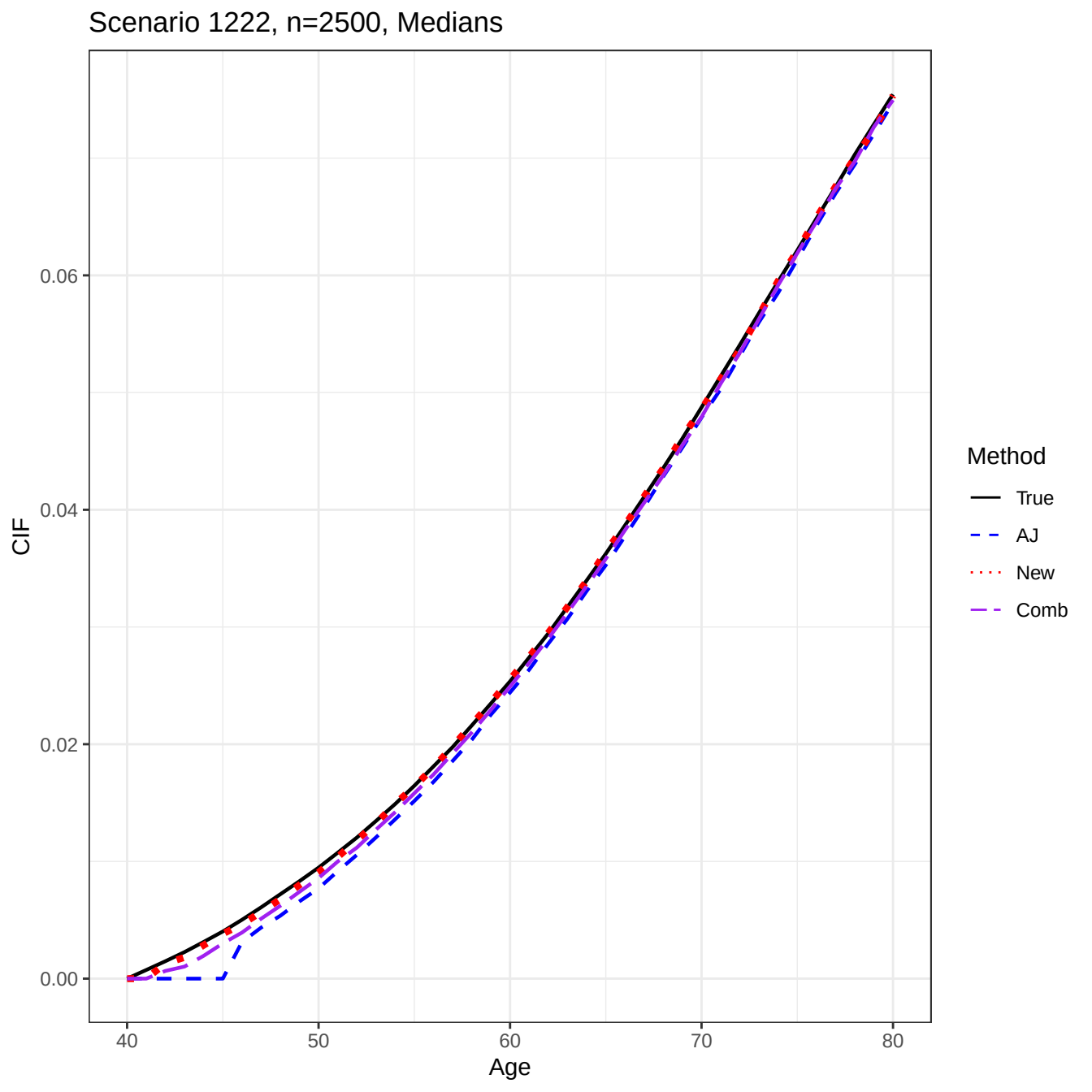
pointwise CI's done by: normal−theory

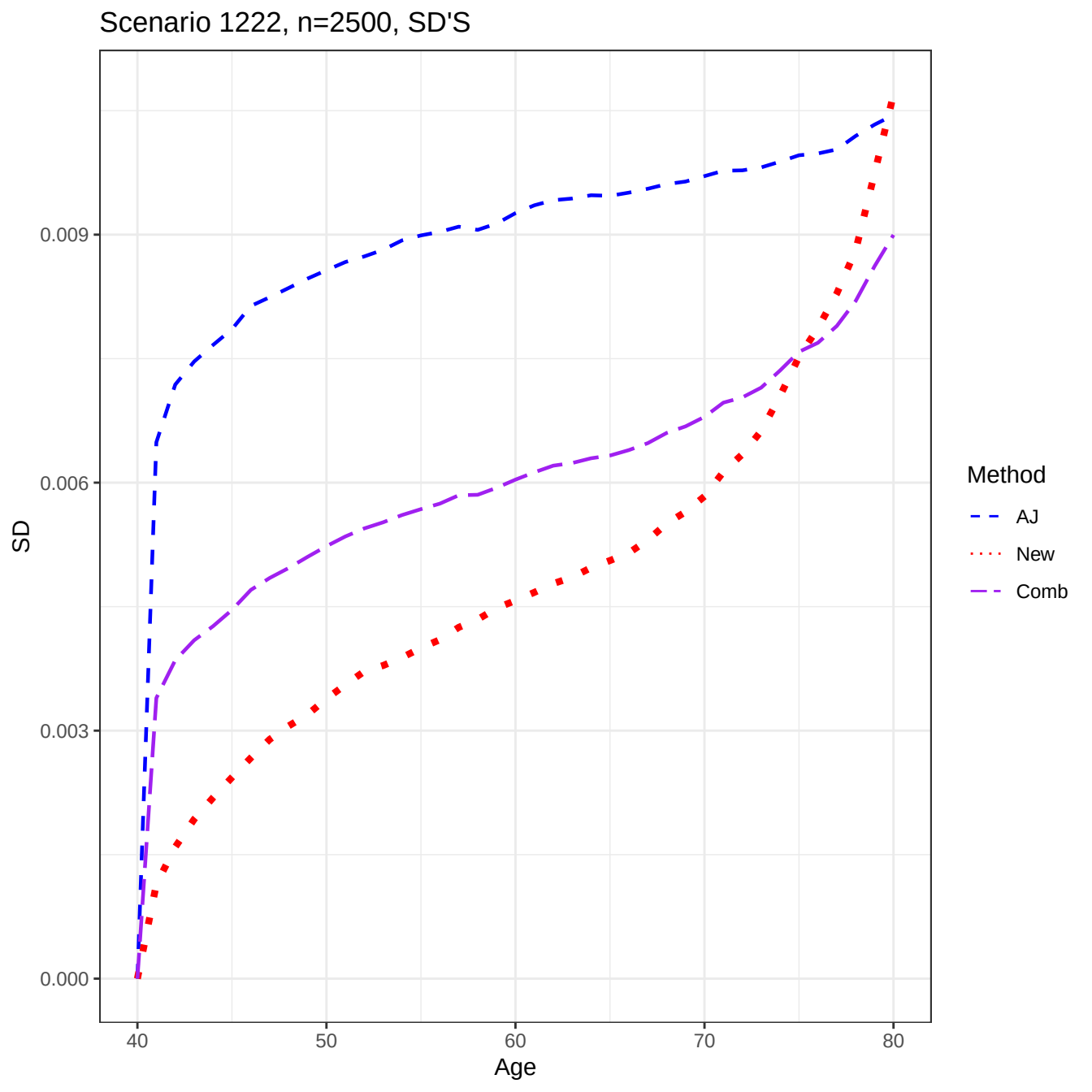
auxflg = FALSE

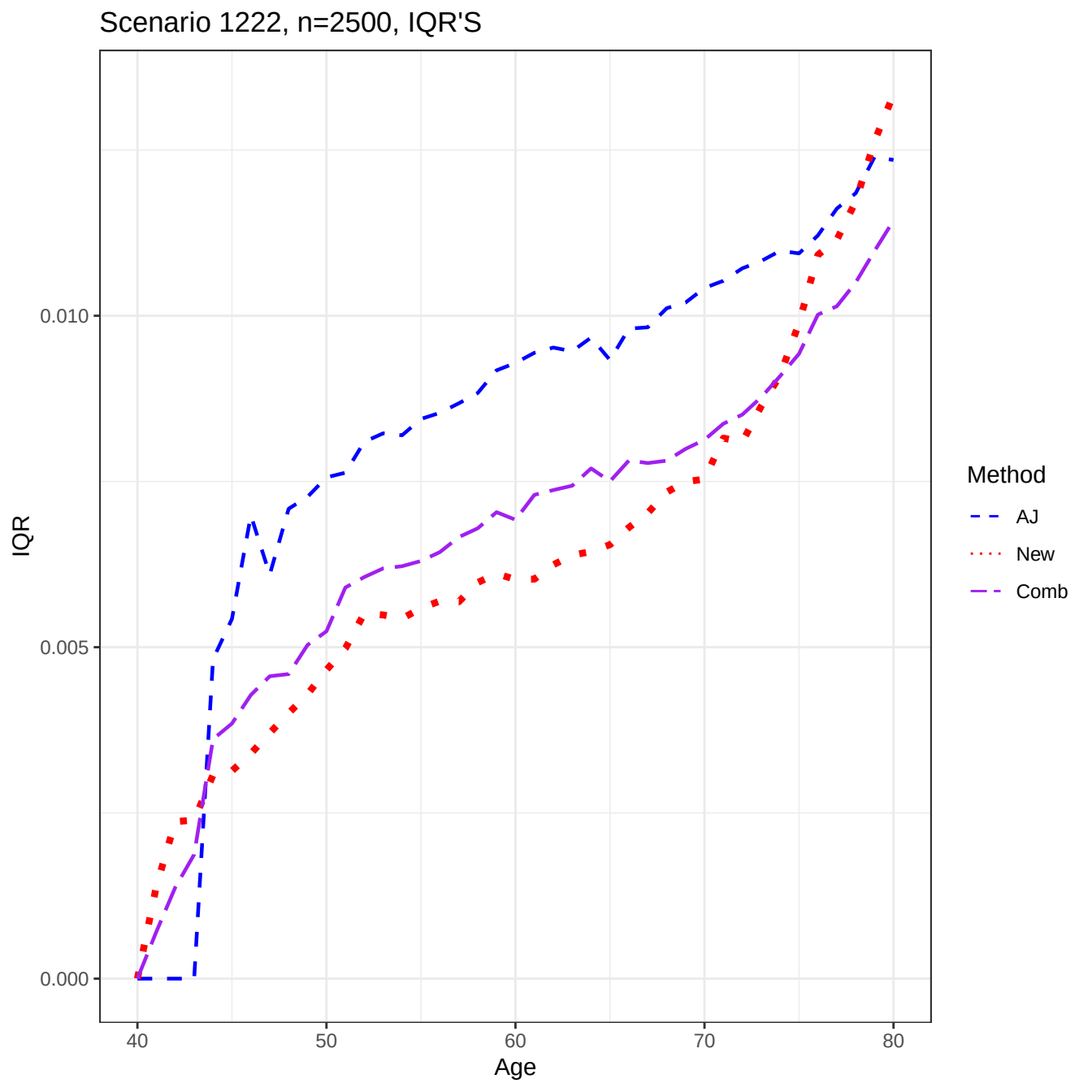
bootstrap weights: normal

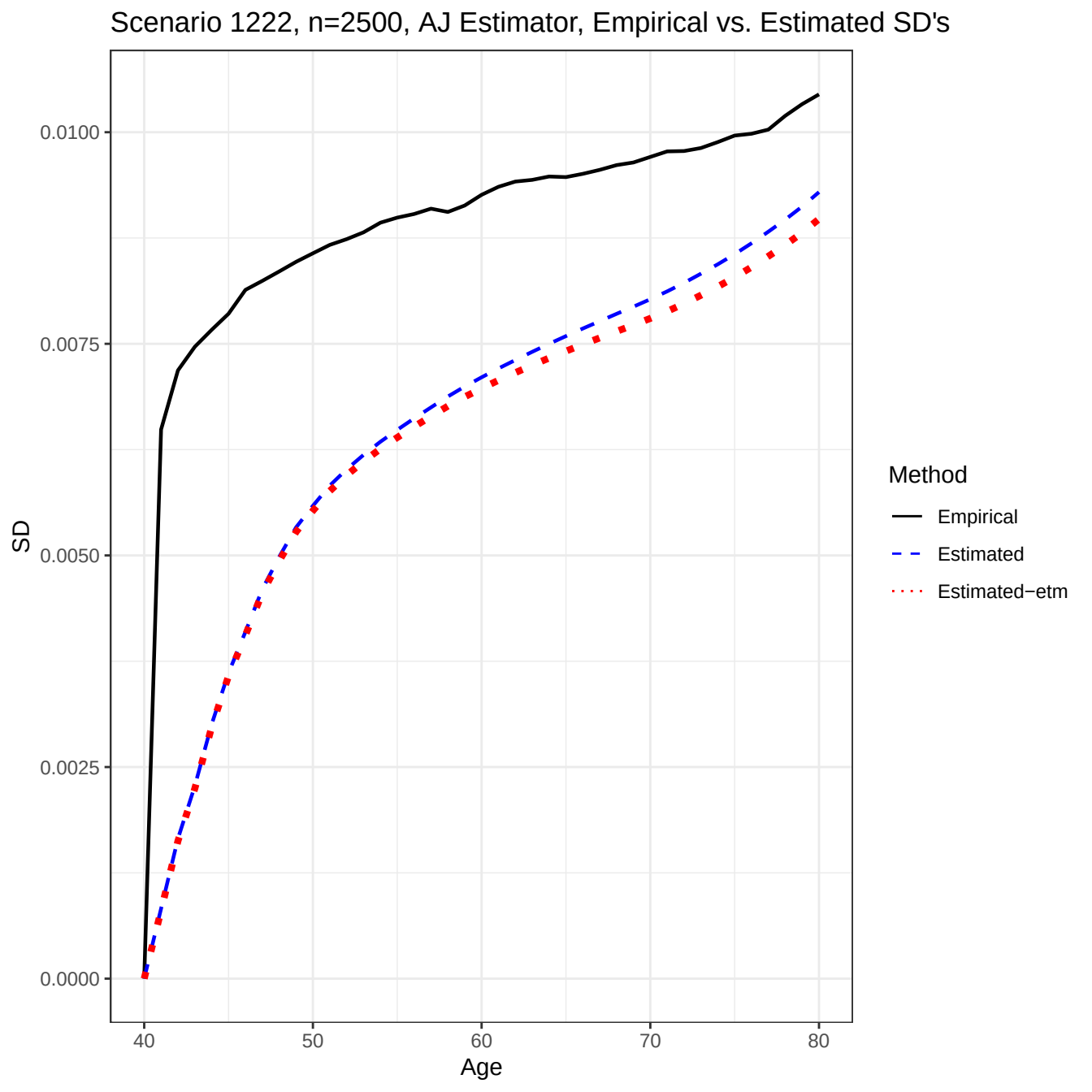
Date/Time: 2024−01−12 15:43:08.572576

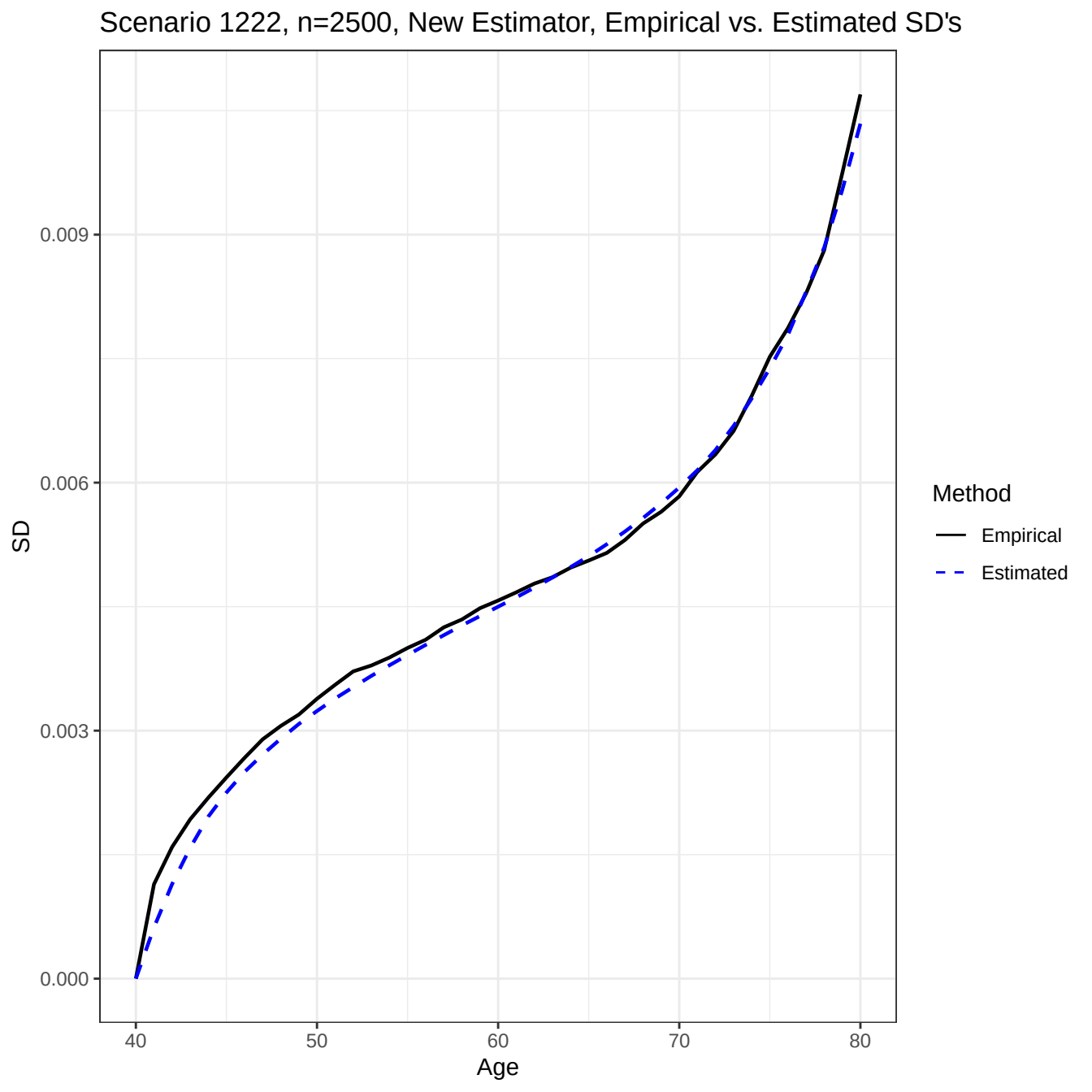

Scenario 1222, n=2500, Means
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

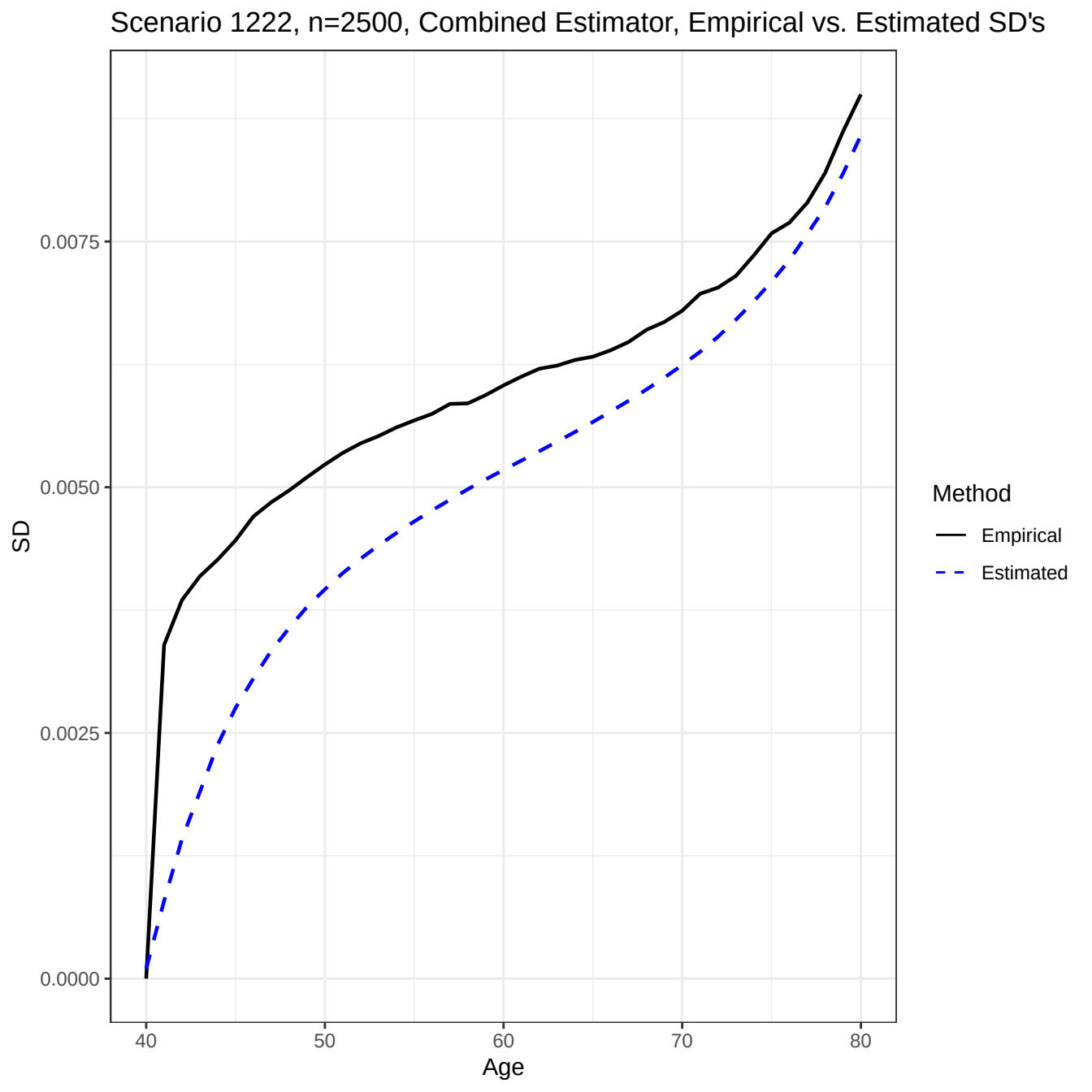

Scenario 1222, n=2500, Medians
CIF
0.00
0.02
0.04
0.06
40
50
60
70
80
Age
Method
True
AJ
New
Comb

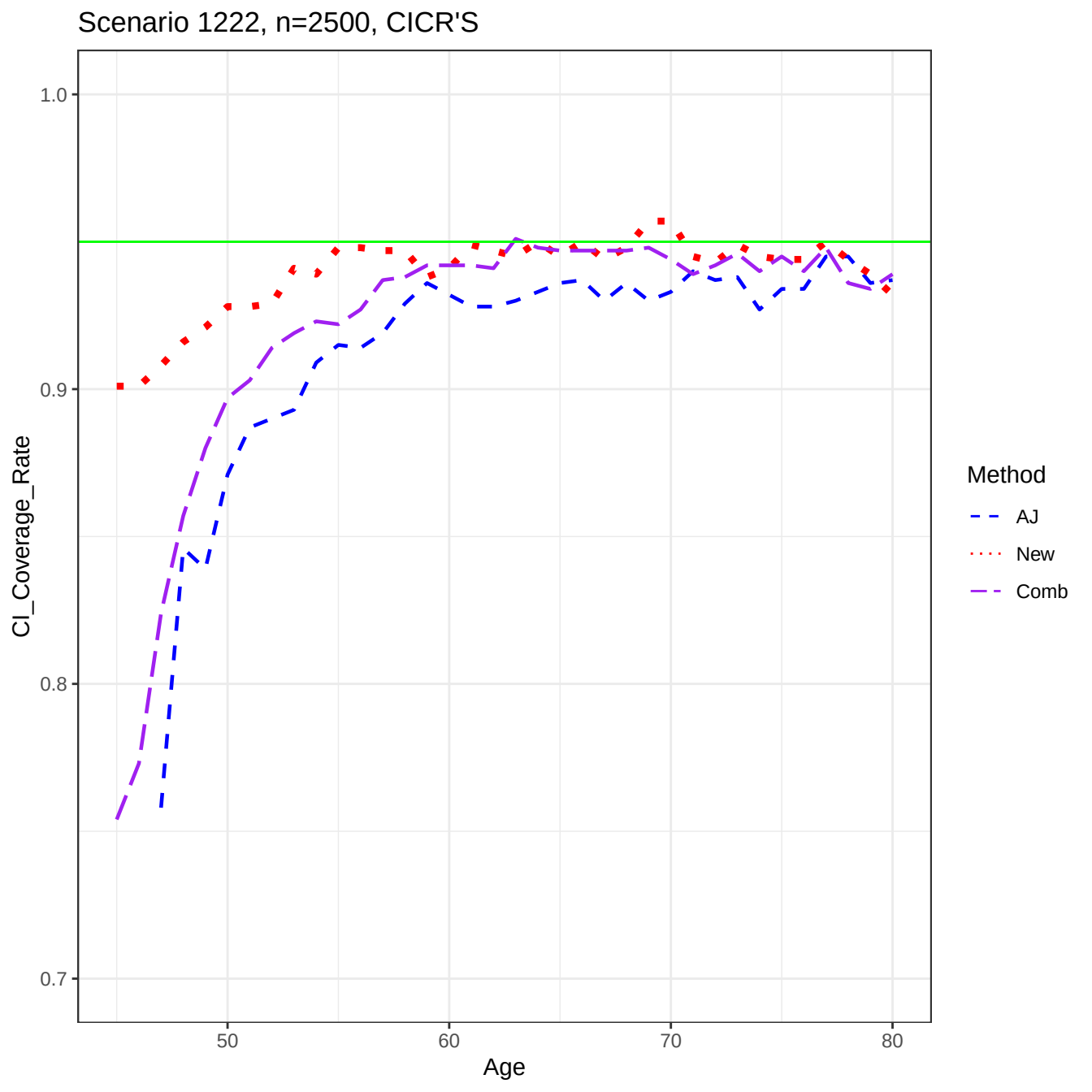

Scenario 1222, n=2500, SD'S
0.009
0.006
0.003
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

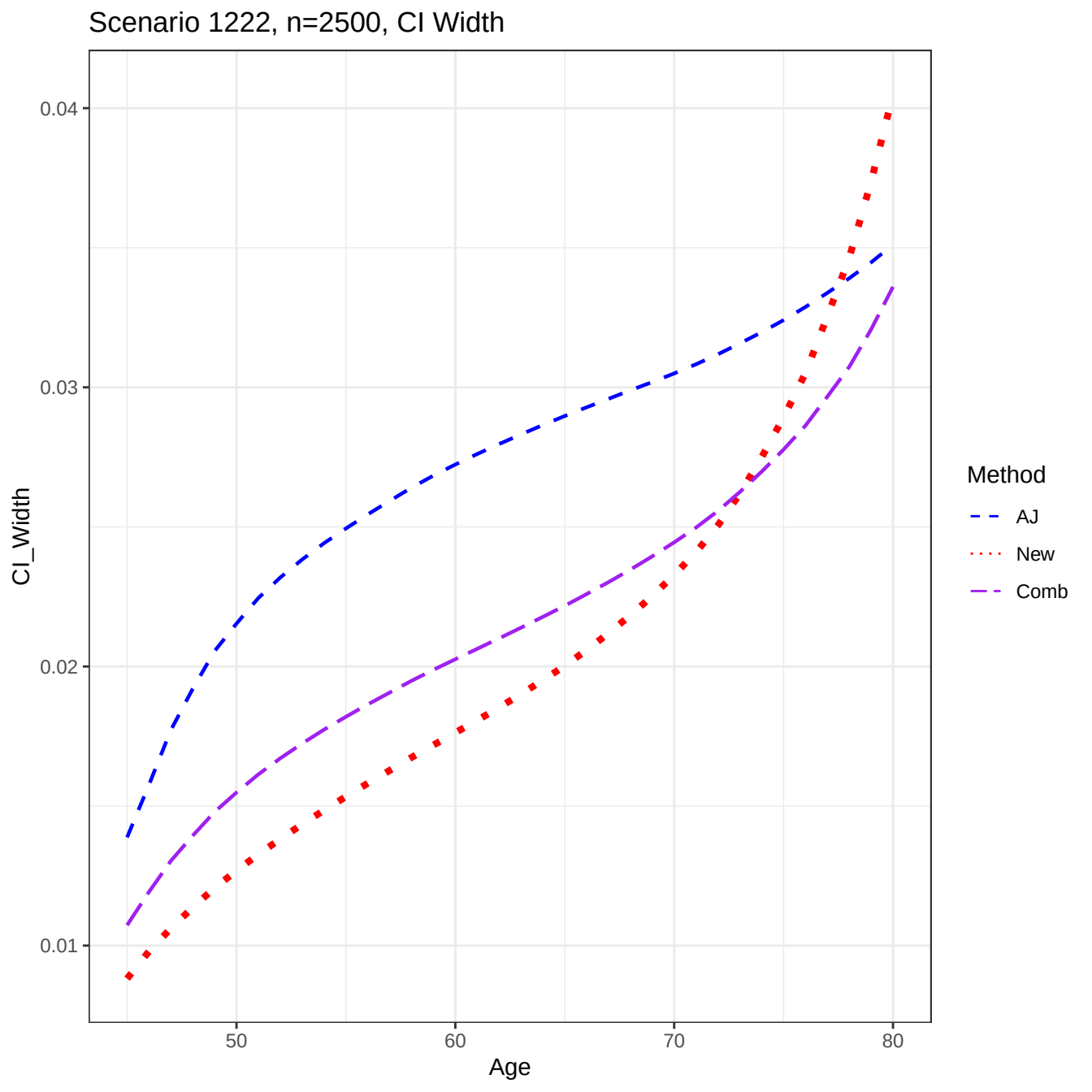

Scenario 1222, n=2500, IQR'S
IQR
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1222, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.0100
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 1222, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.009
0.006
0.003
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1222, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.0075
0.0050
0.0025
0.0000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 1222, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 1222, n=2500, CI Width
0.04
0.03
0.02
0.01
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

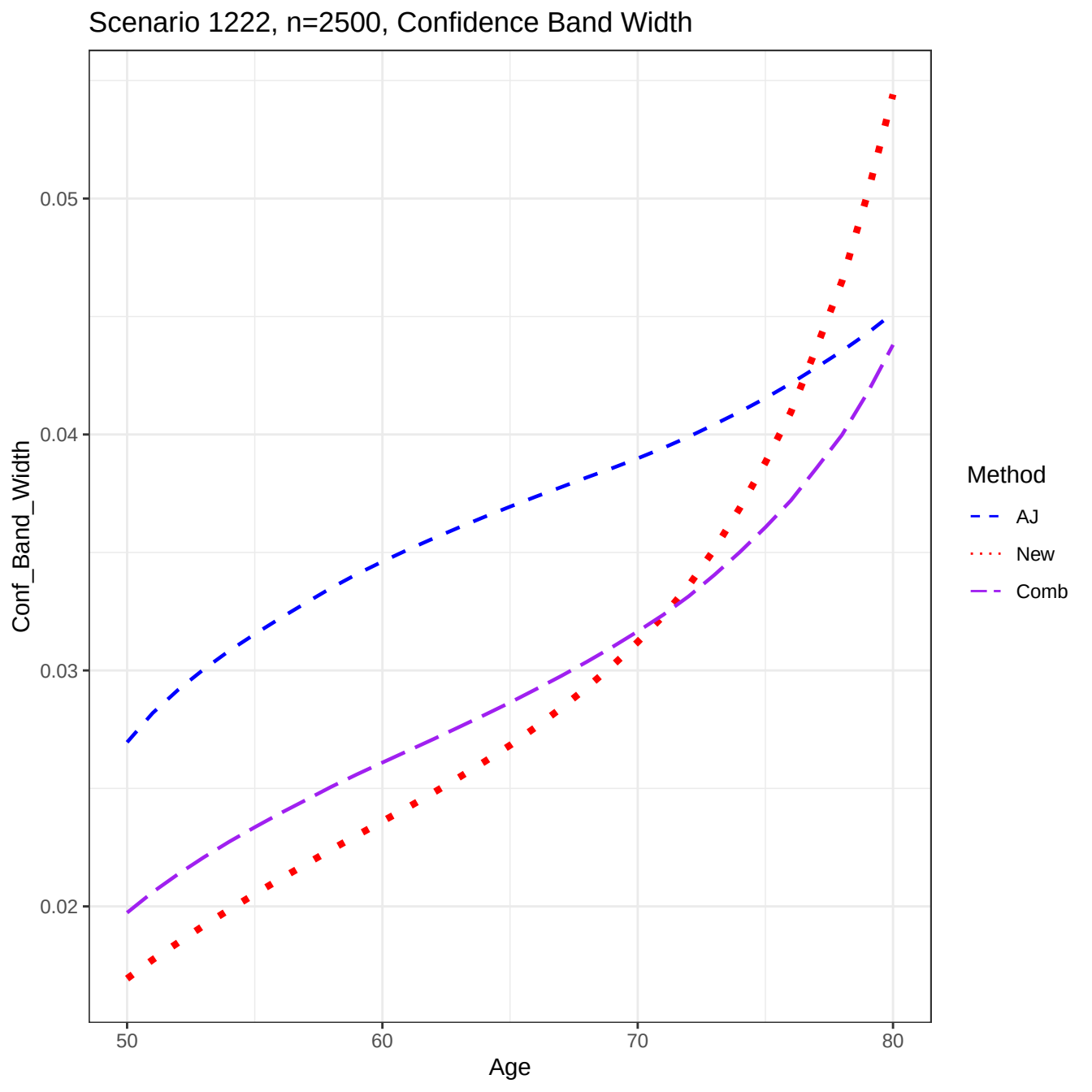
CONFIDENCE BAND COVERAGE RATES

Scenario: 1222

AJ: 0.894

new: 0.921

Combo: 0.899


Scenario 1222, n=2500, Confidence Band Width
Conf_Band_Width
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2111

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

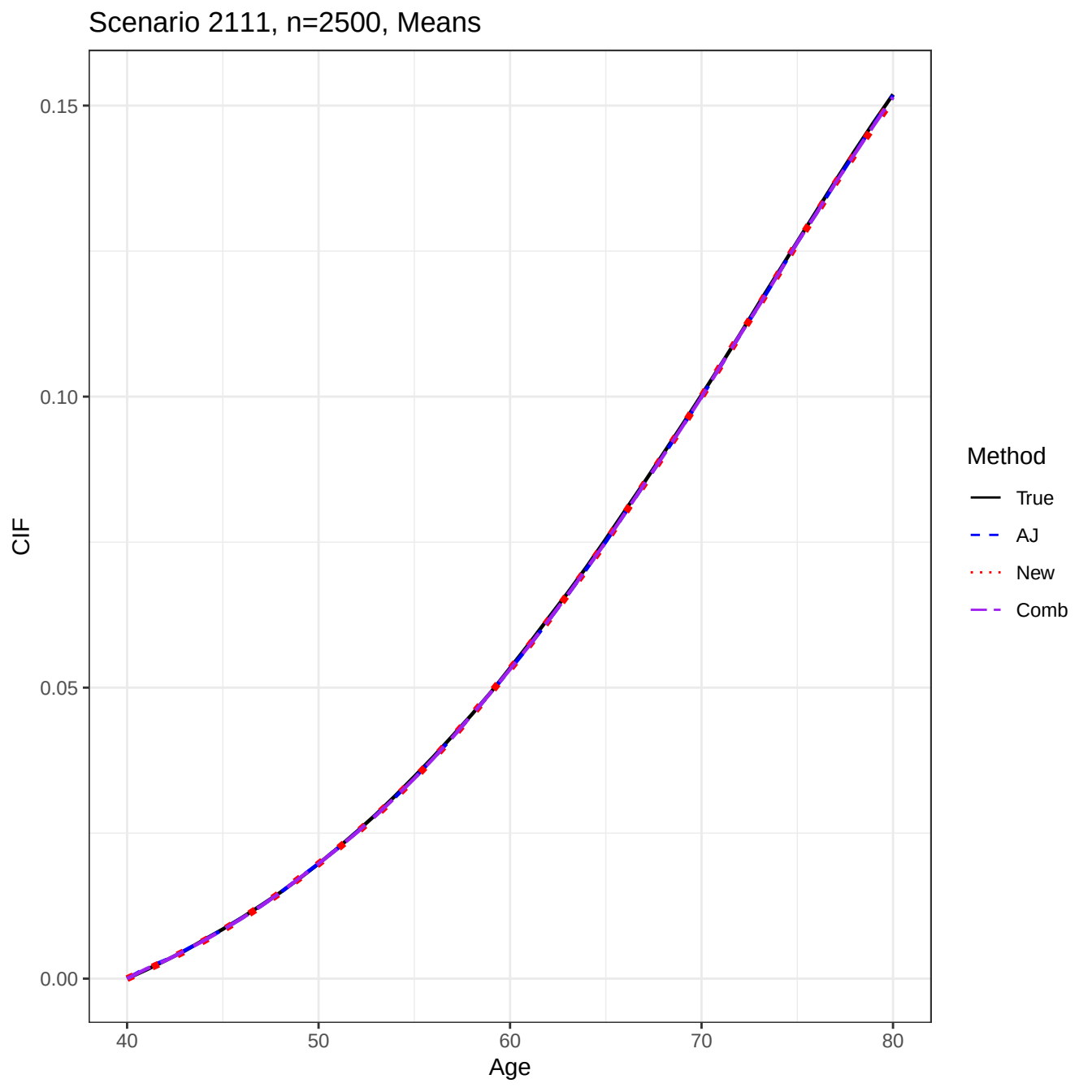
transformation: 0.5*pi − asin(sqrt(1−u))

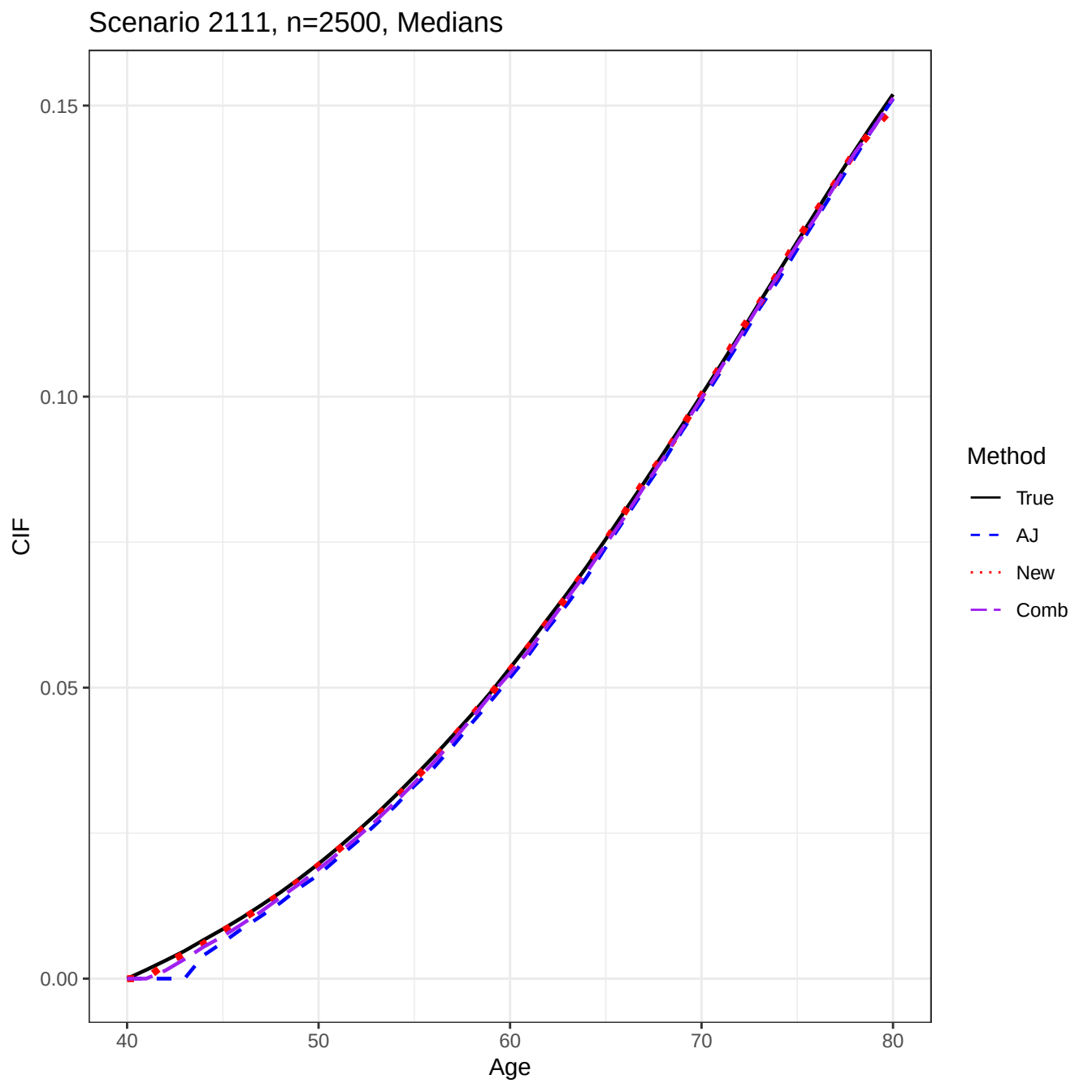
pointwise CI's done by: normal−theory

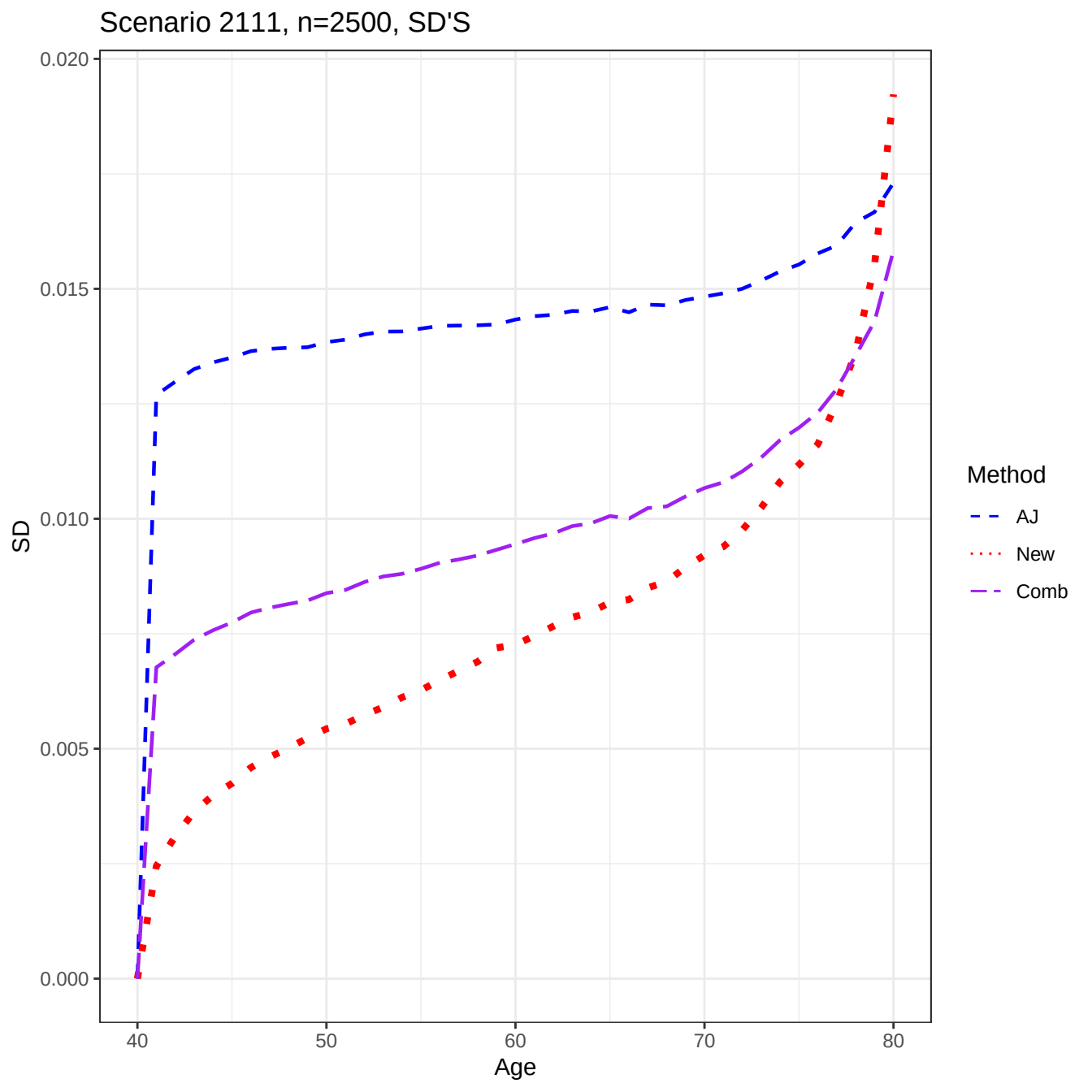
auxflg = FALSE

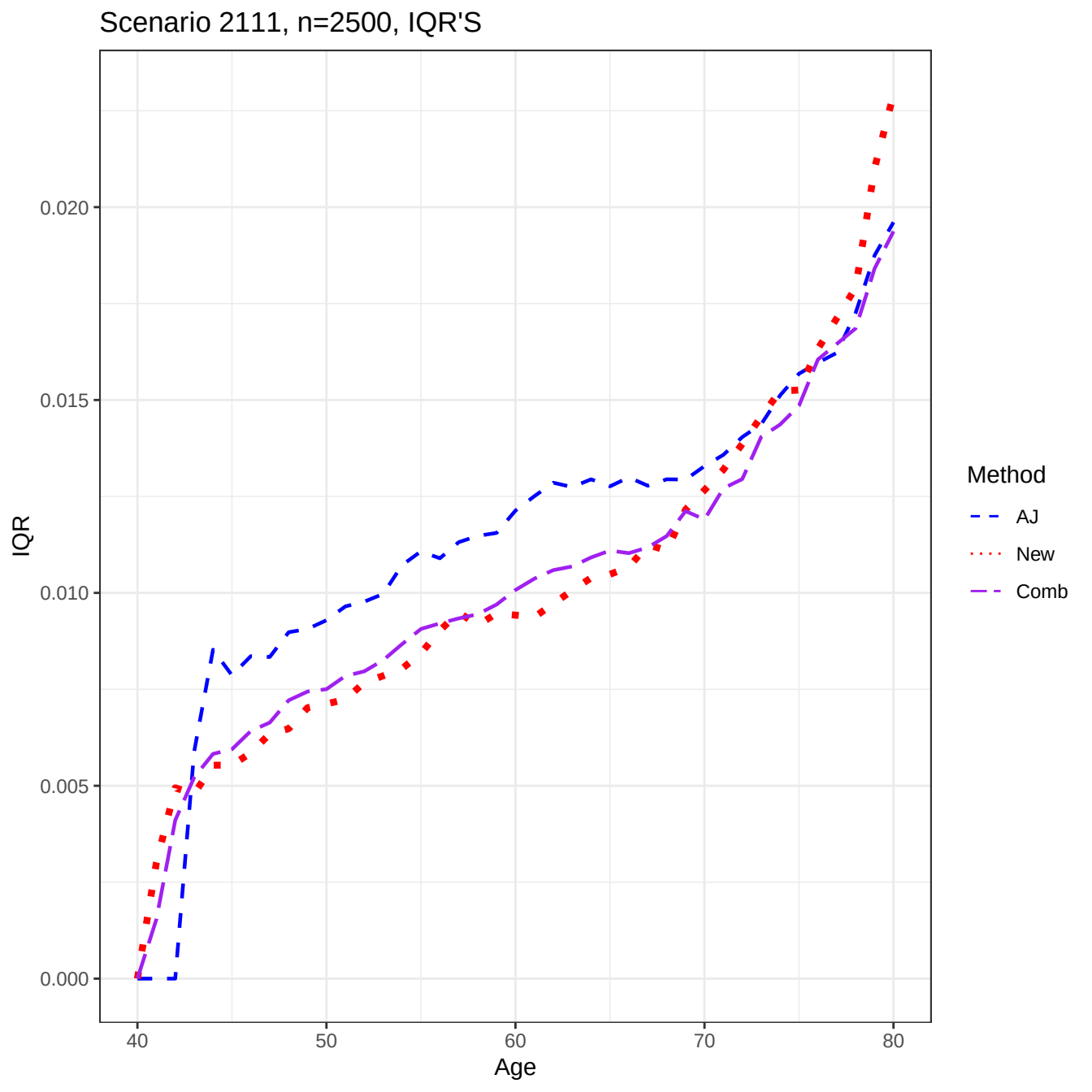
bootstrap weights: normal

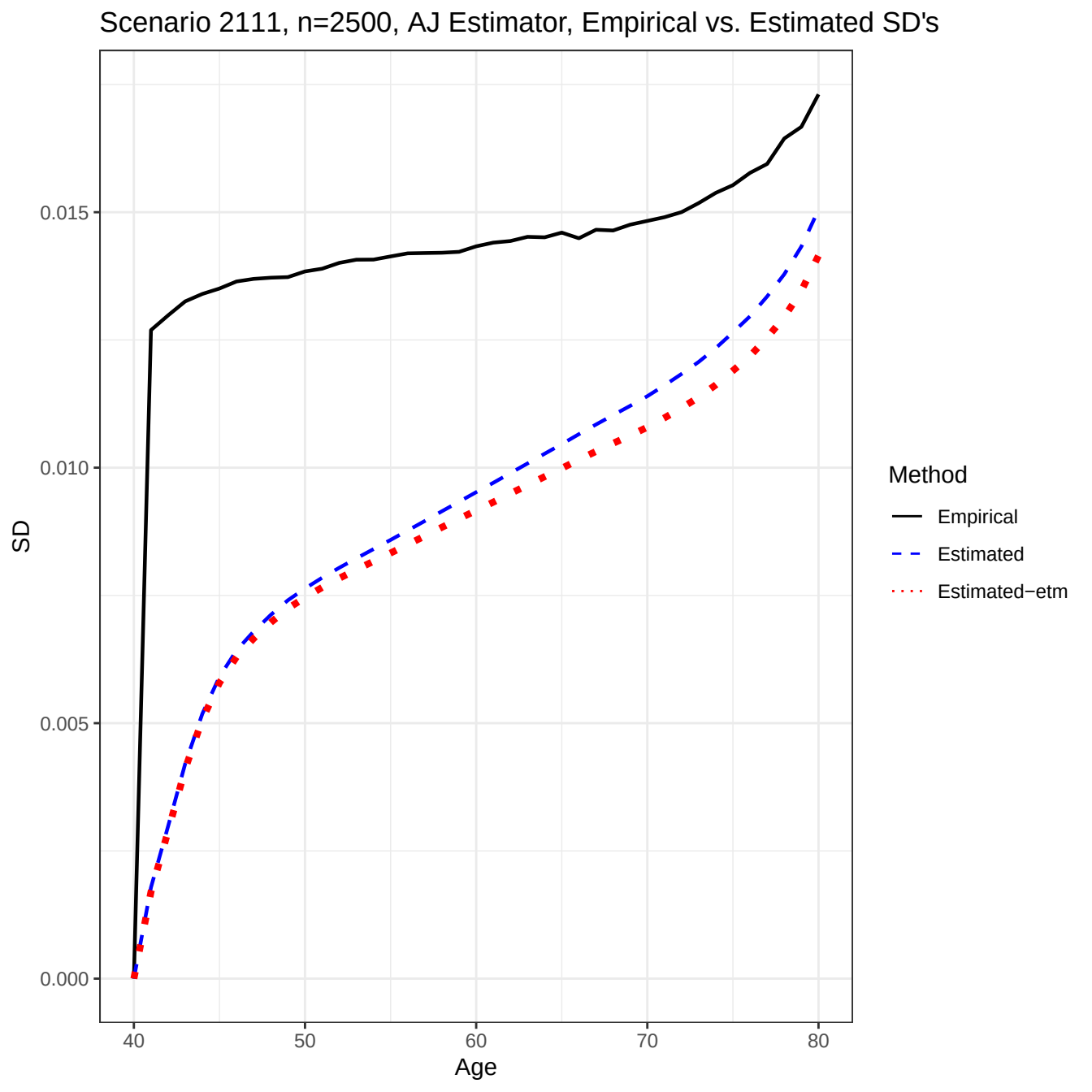
Date/Time: 2024−01−12 10:28:01.131425

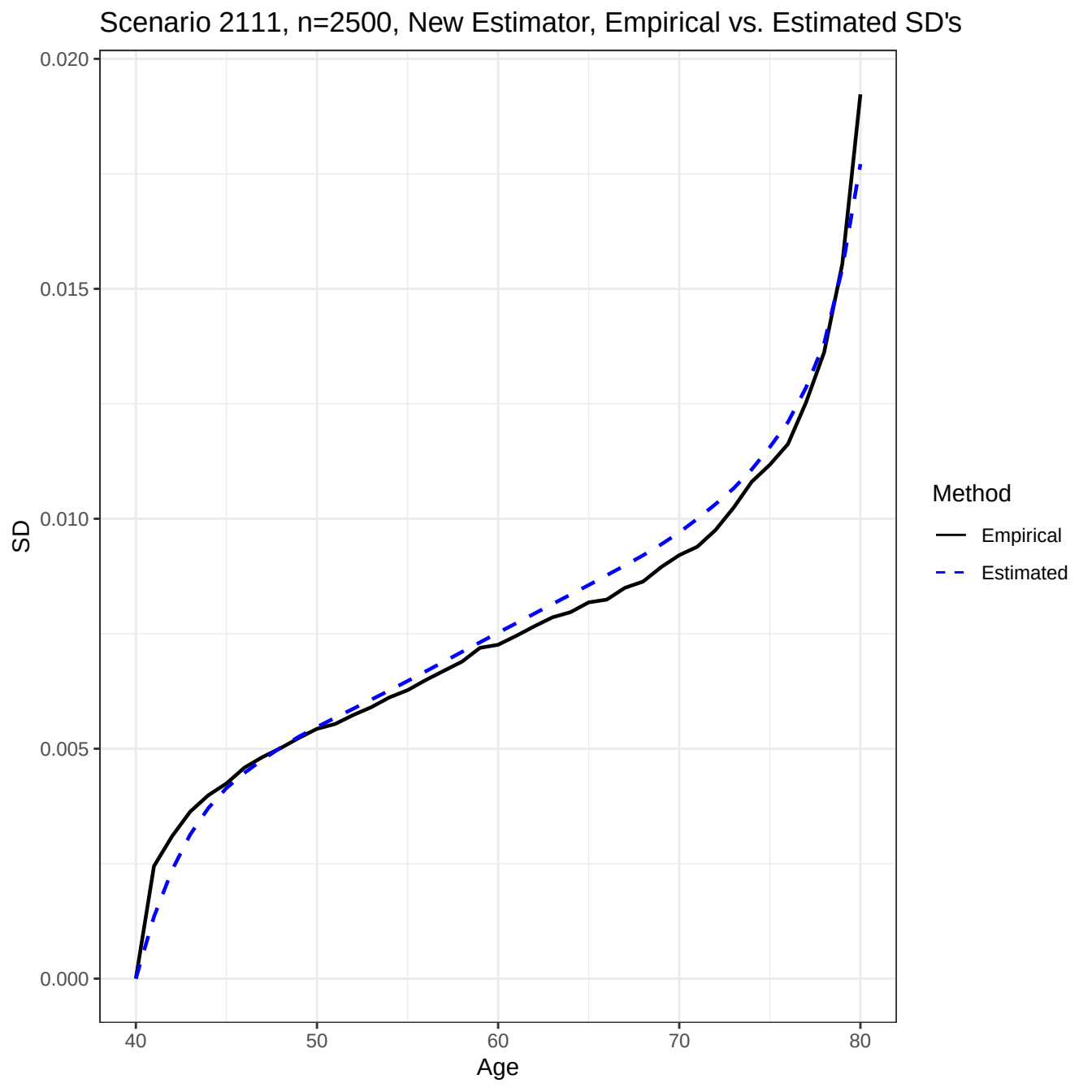

Scenario 2111, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

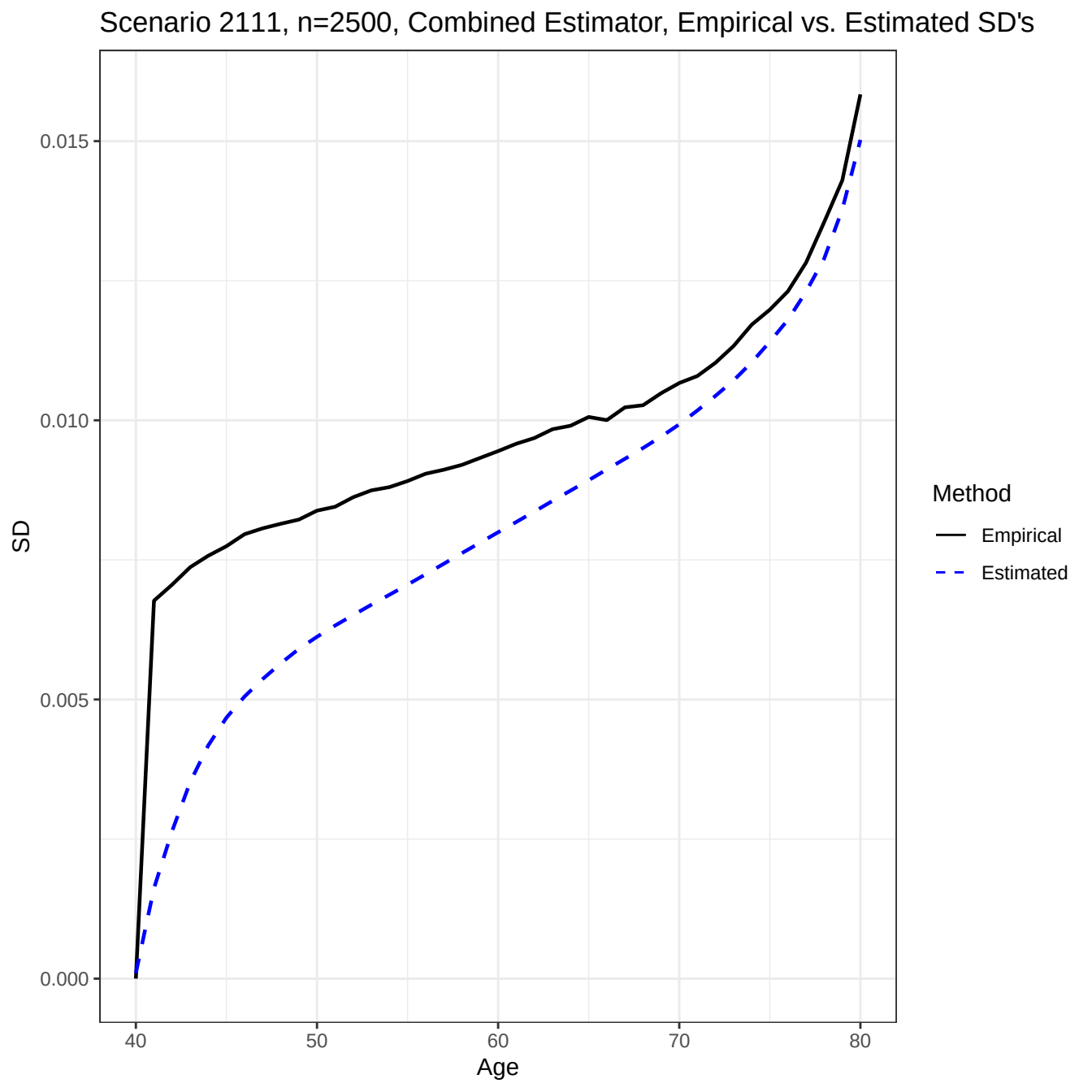

Scenario 2111, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

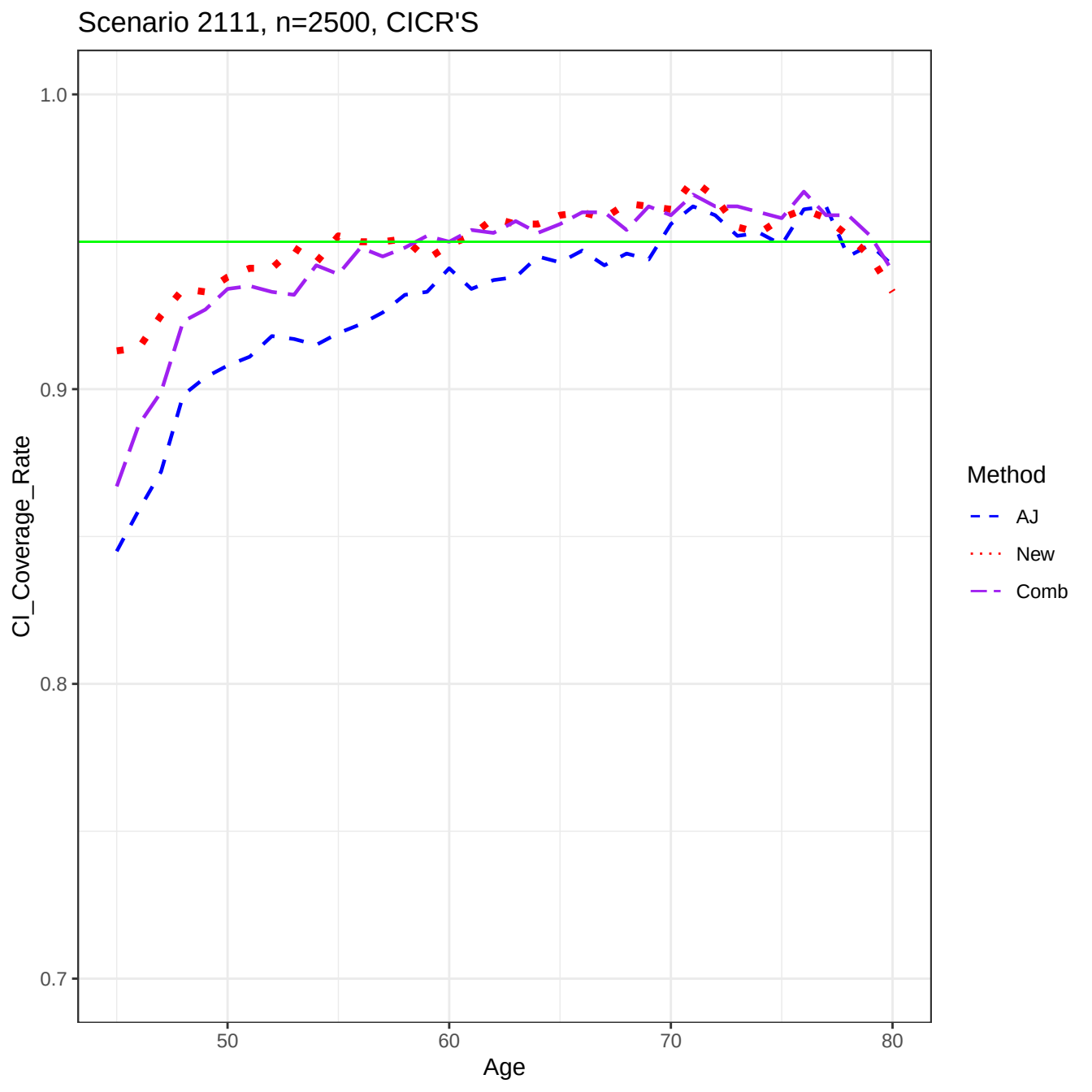

Scenario 2111, n=2500, SD'S
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

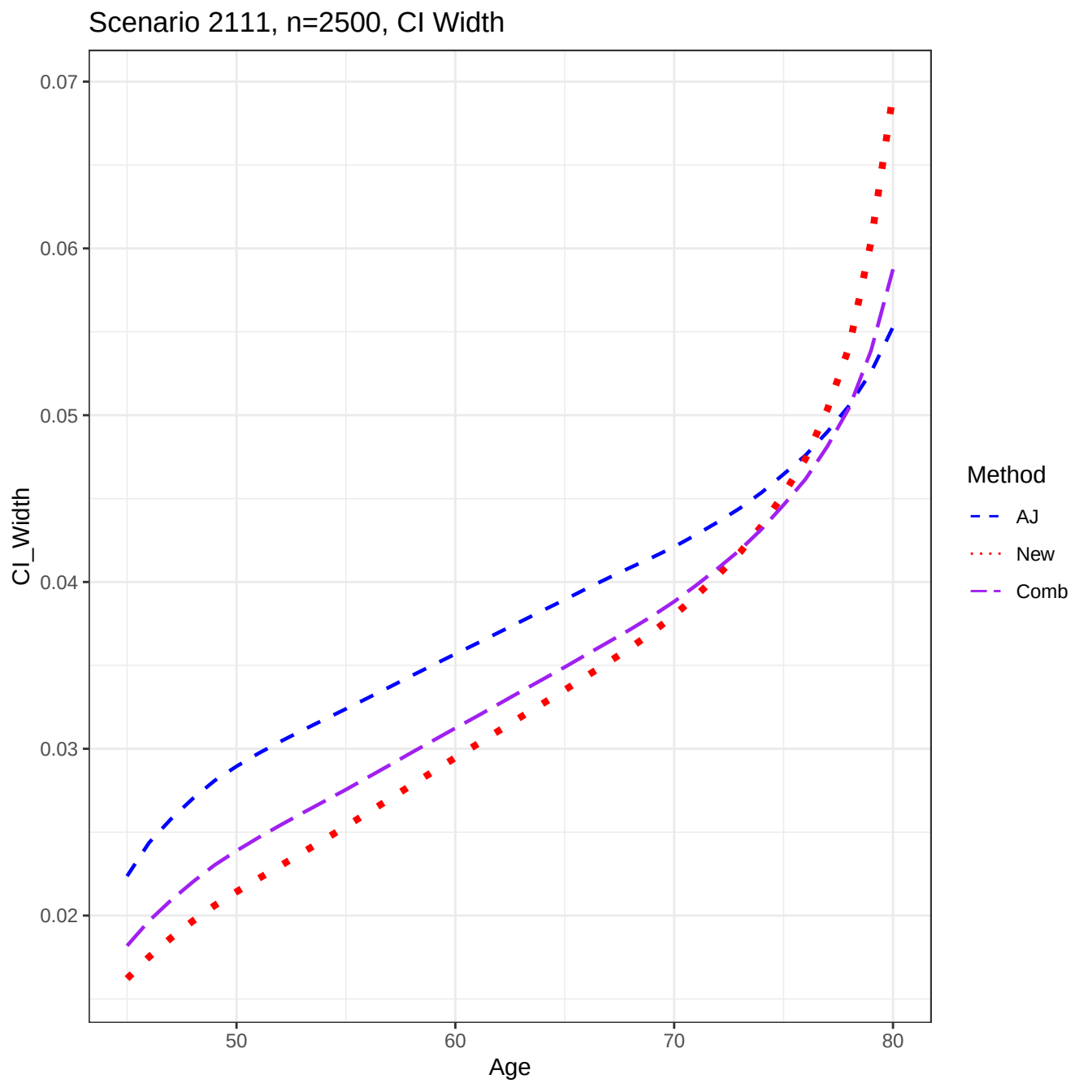

Scenario 2111, n=2500, IQR'S
IQR
0.020
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2111, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2111, n=2500, New Estimator, Empirical vs. Estimated SD's
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2111, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2111, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2111, n=2500, CI Width
CI_Width
0.07
0.06
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

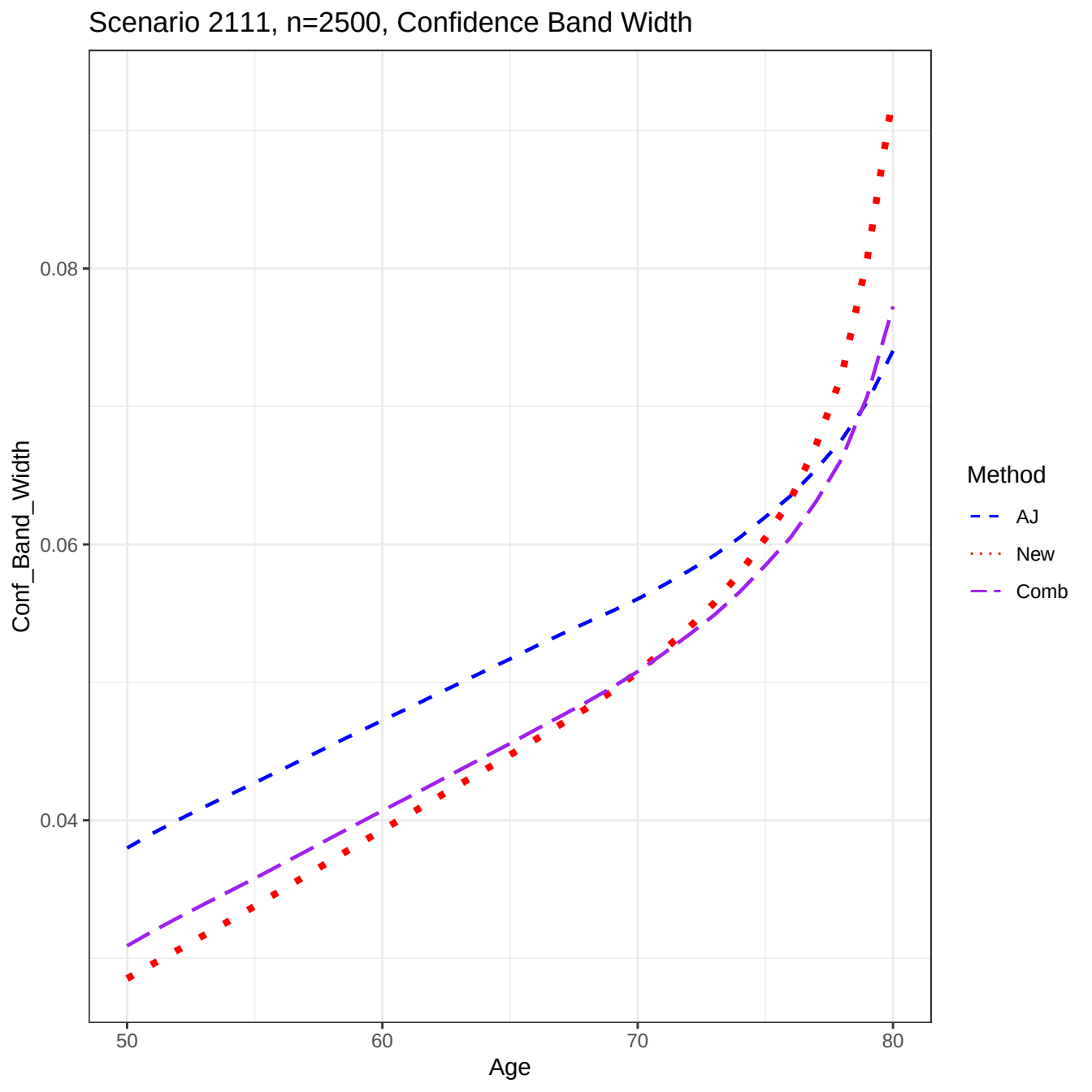
CONFIDENCE BAND COVERAGE RATES

Scenario: 2111

AJ: 0.919

new: 0.921

Combo: 0.926


Scenario 2111, n=2500, Confidence Band Width
Conf_Band_Width
0.08
0.06
0.04
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2112

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

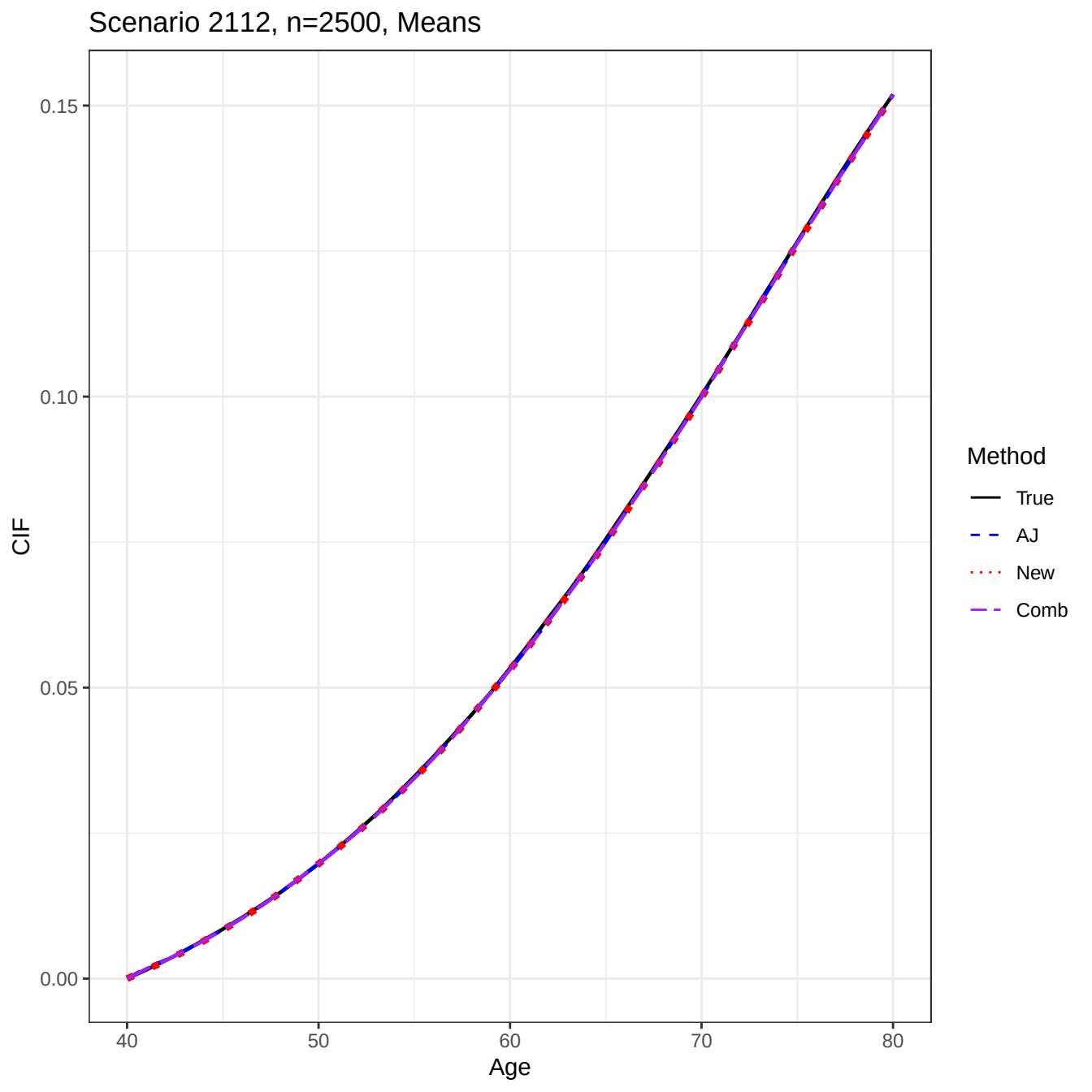
transformation: 0.5*pi − asin(sqrt(1−u))

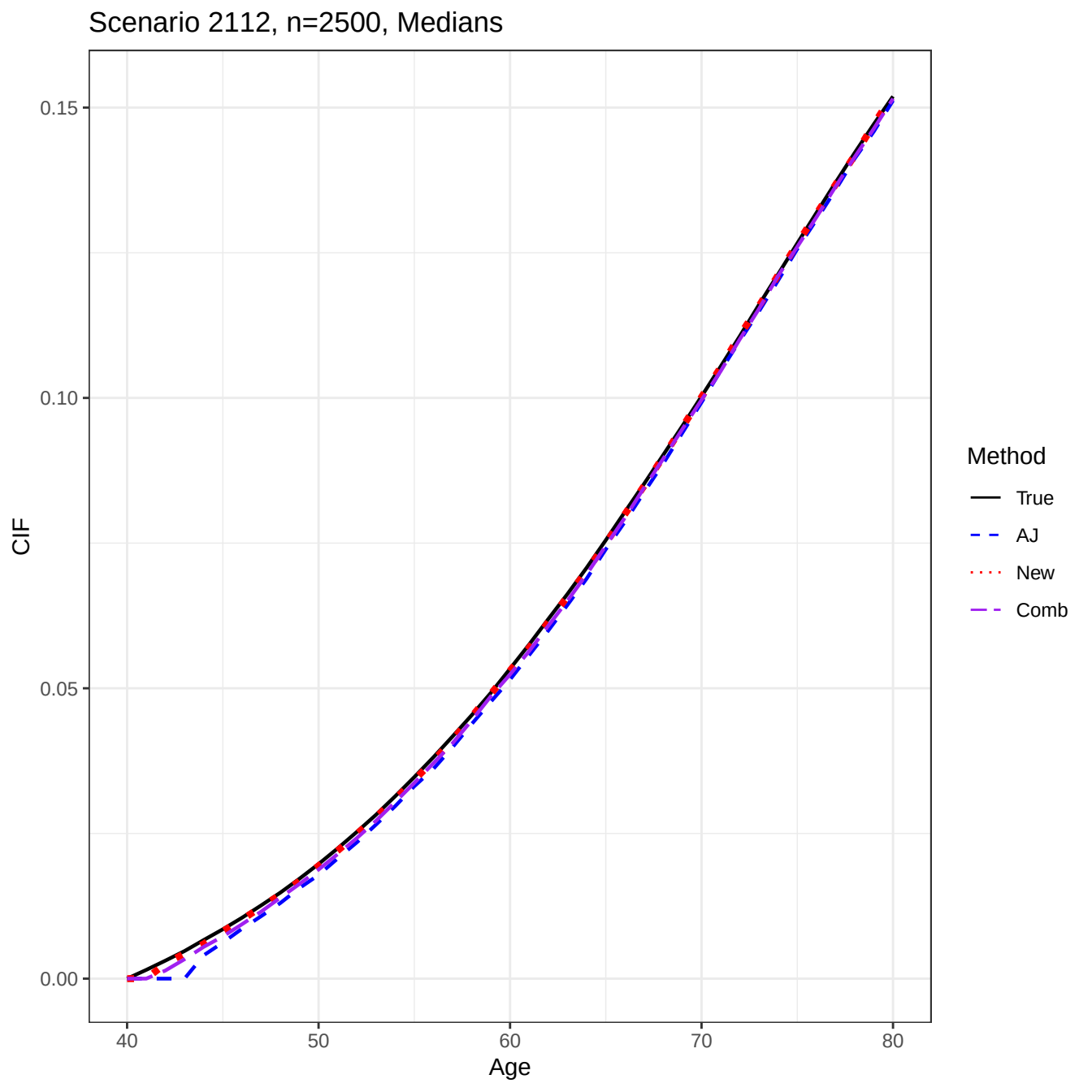
pointwise CI's done by: normal−theory

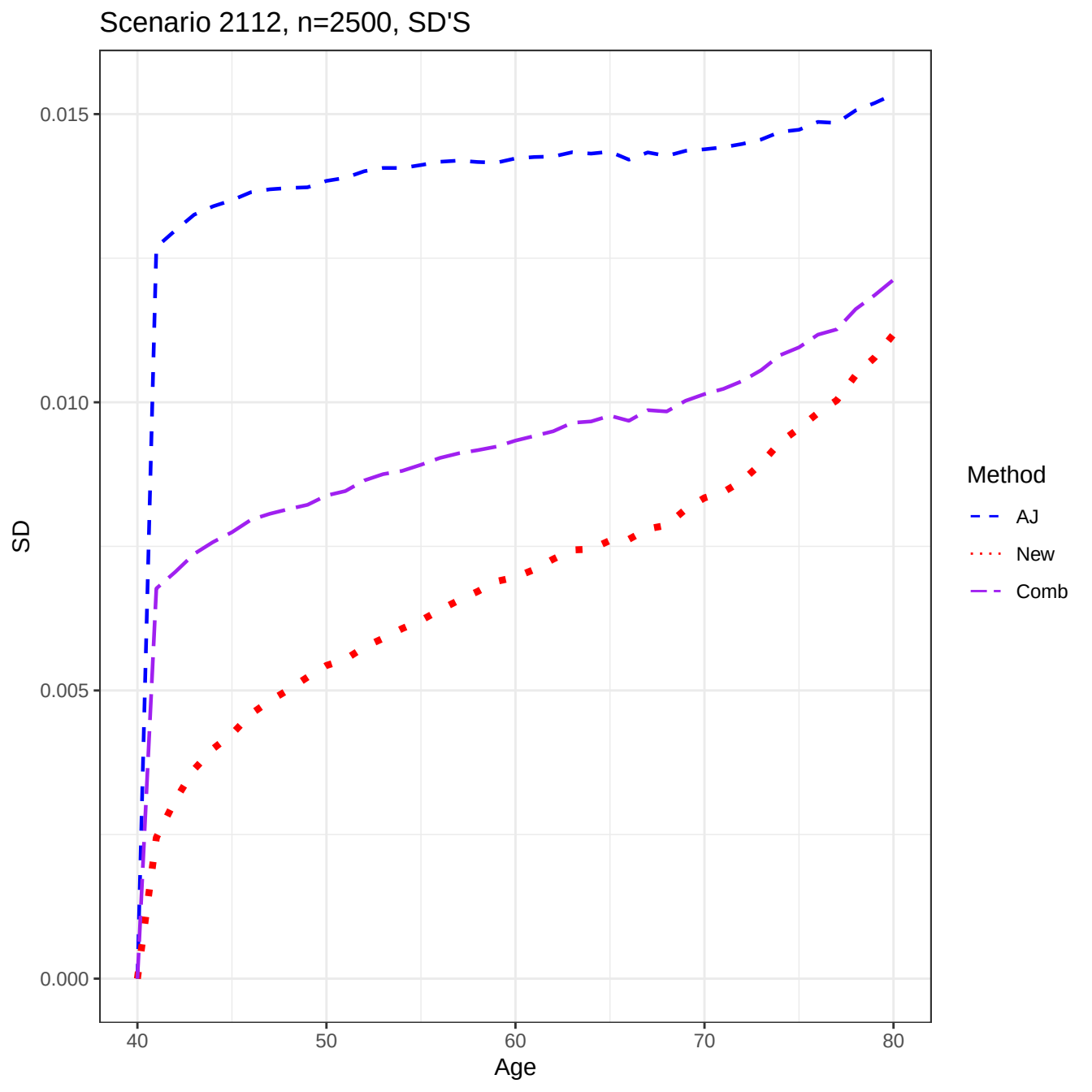
auxflg = FALSE

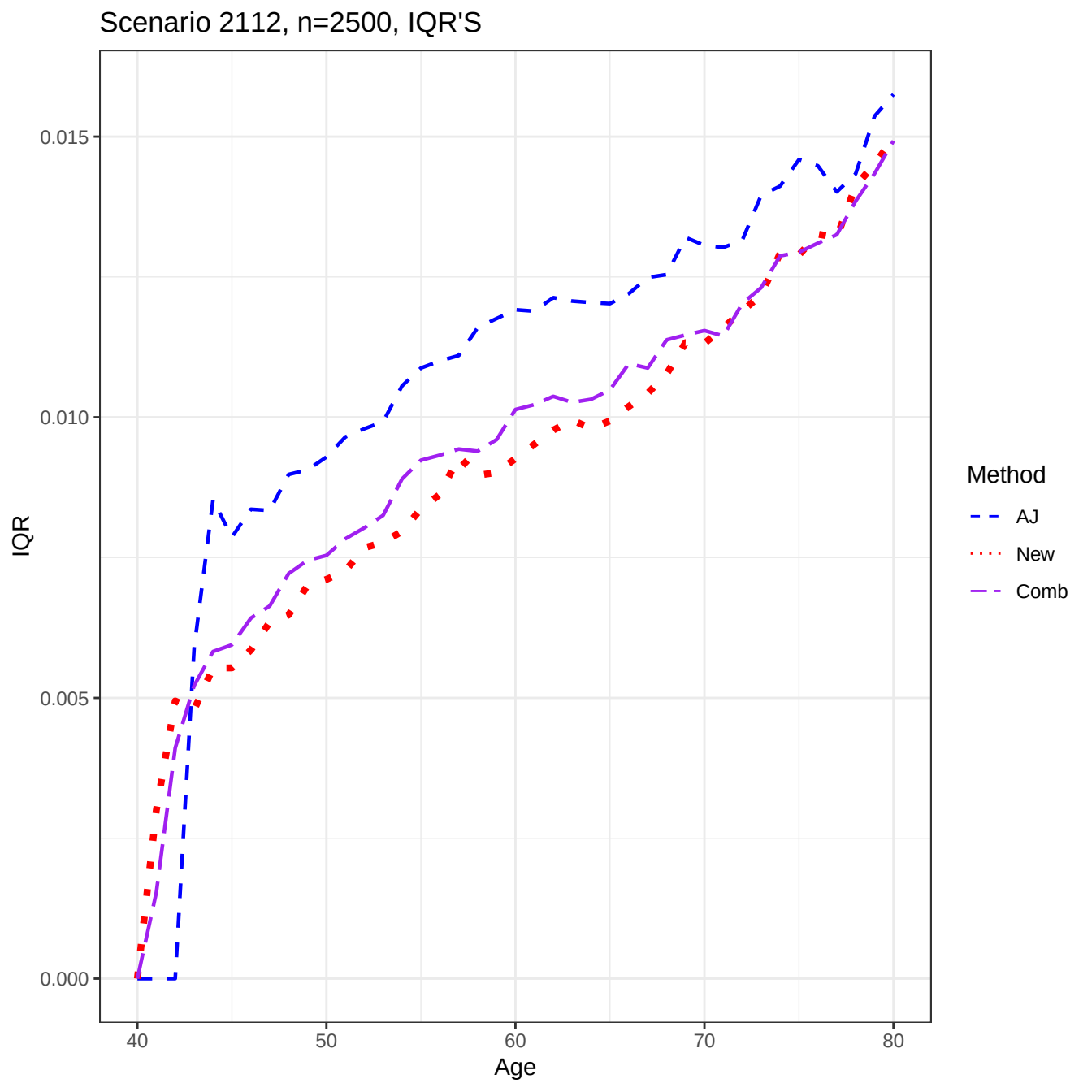
bootstrap weights: normal

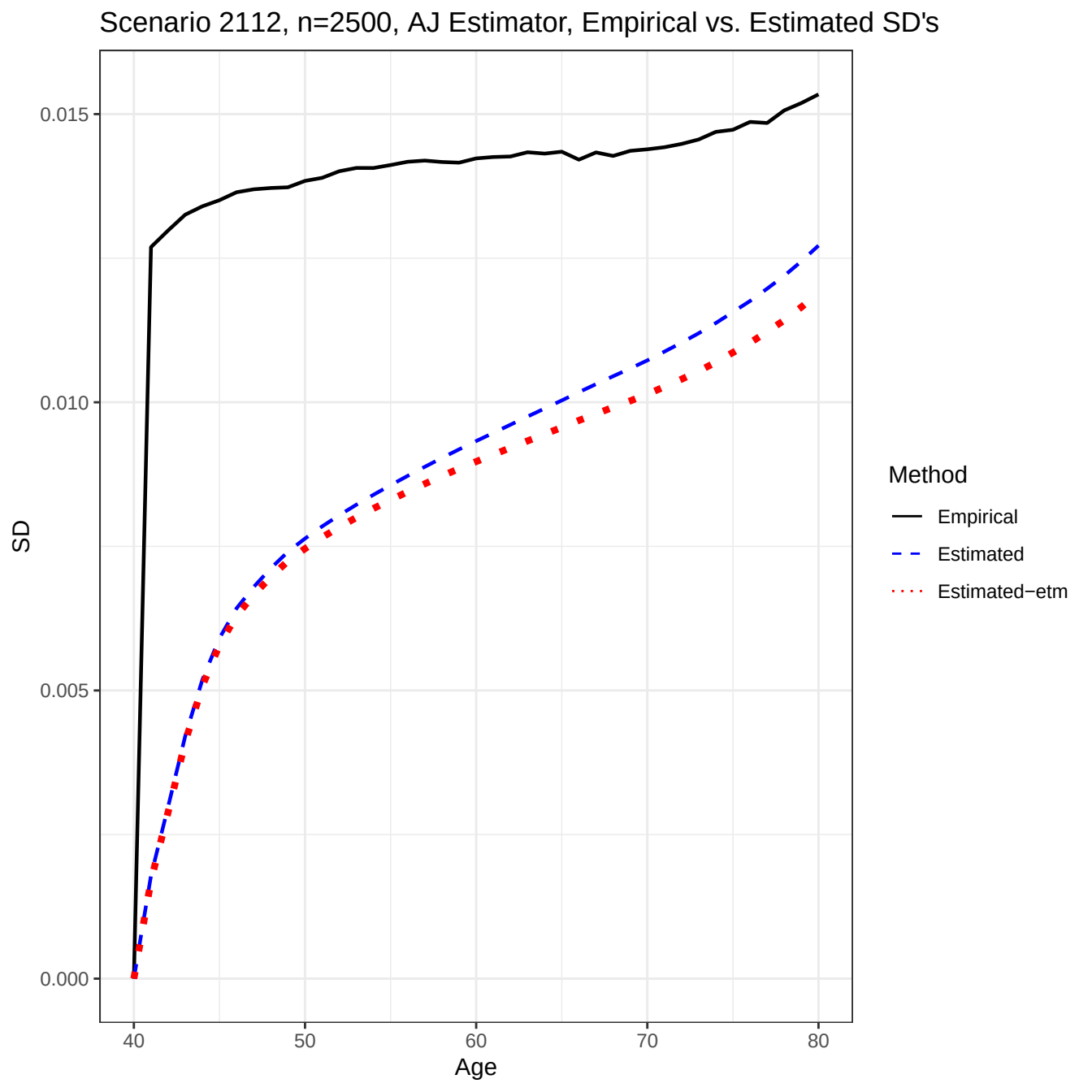
Date/Time: 2024−01−13 22:41:35.072619

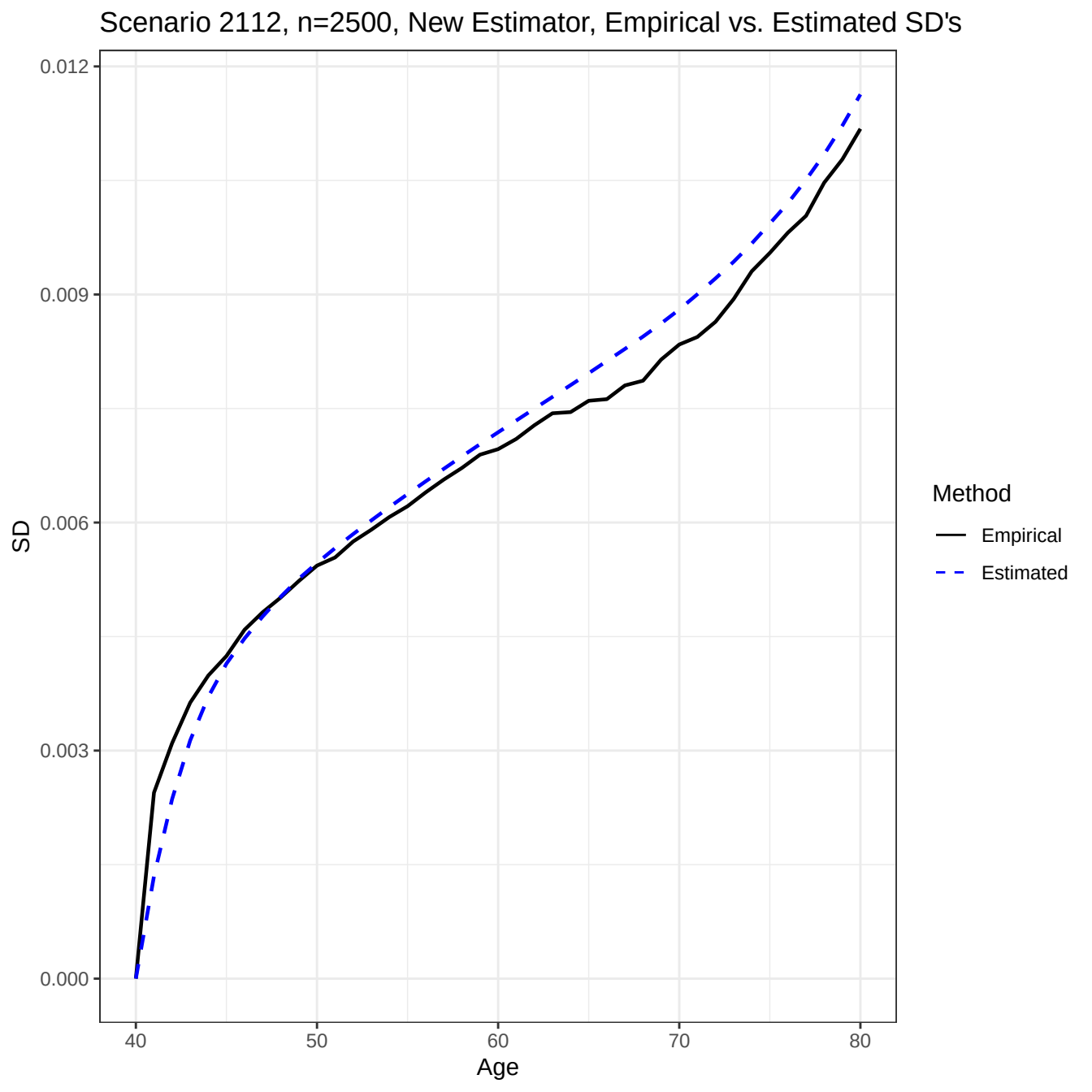

Scenario 2112, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

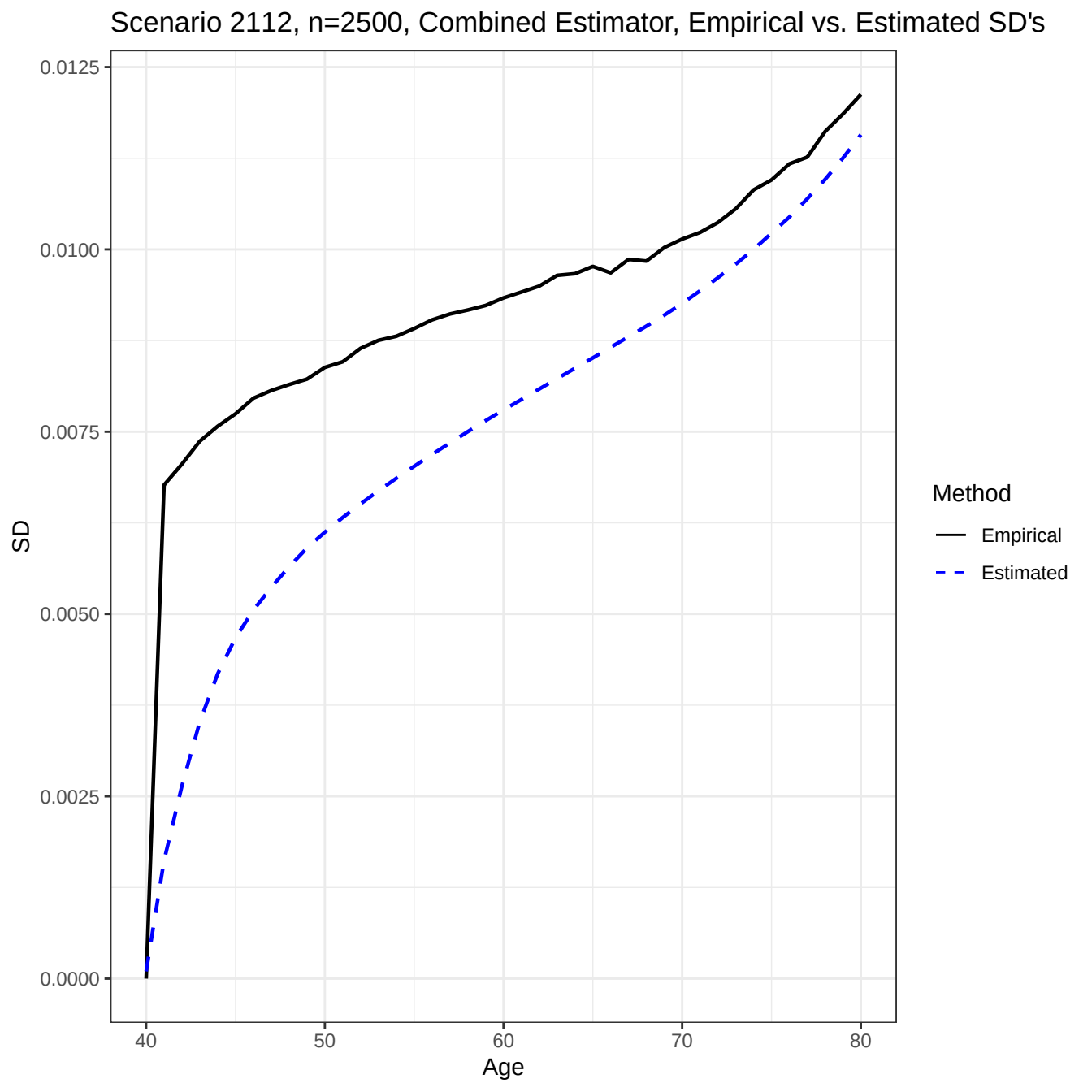

Scenario 2112, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

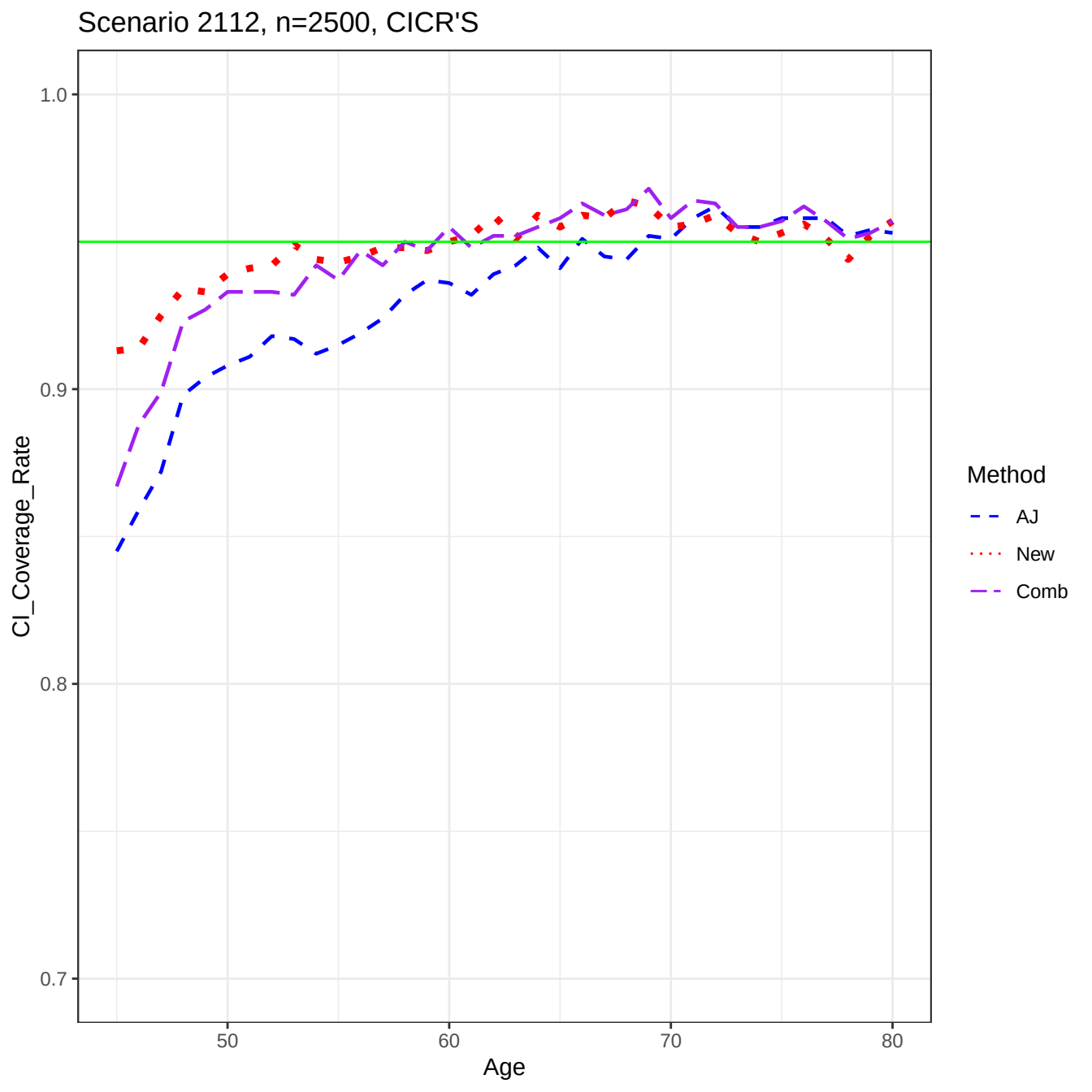

Scenario 2112, n=2500, SD'S
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

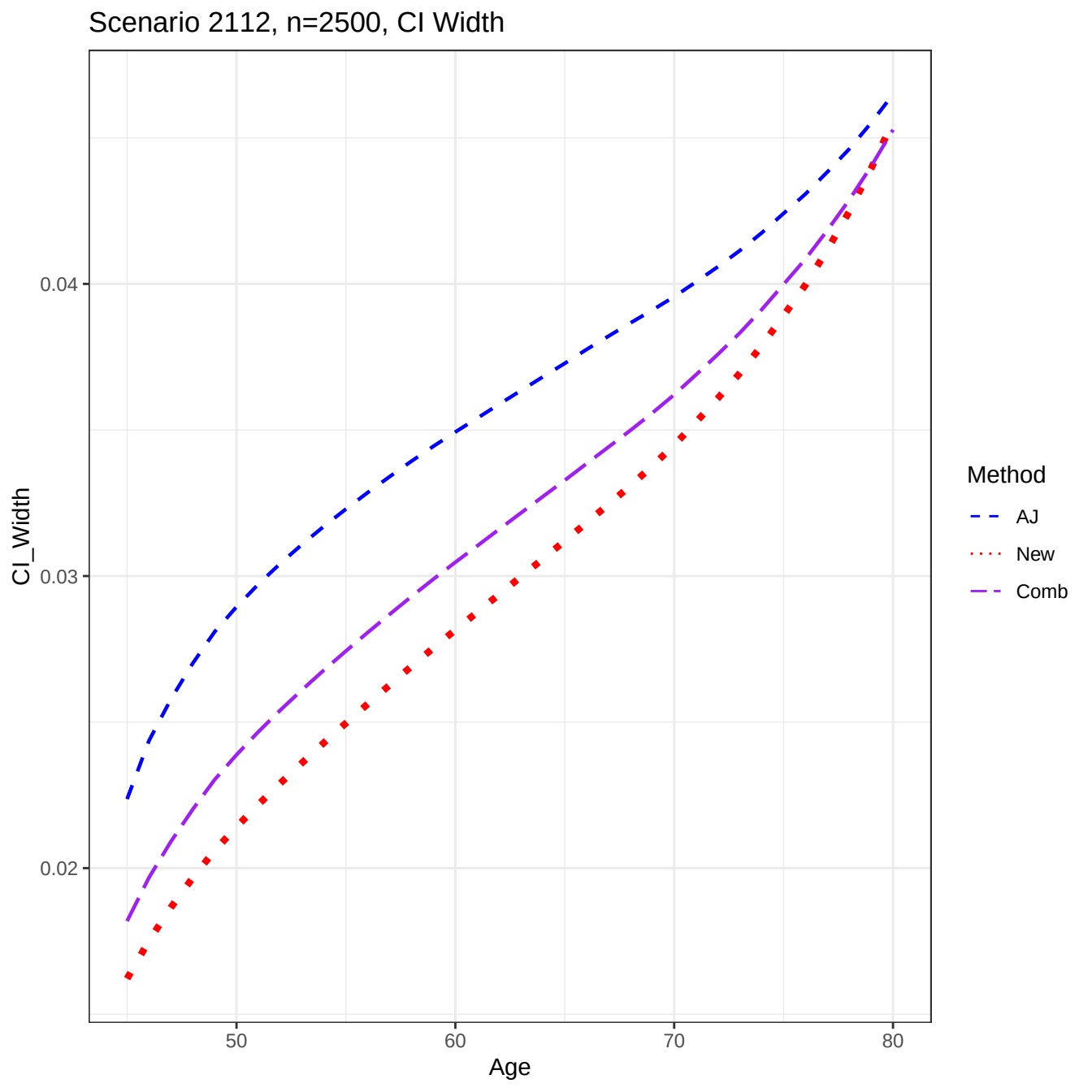

Scenario 2112, n=2500, IQR'S
0.015
0.010
0.005
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2112, n=2500, AJ Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2112, n=2500, New Estimator, Empirical vs. Estimated SD's
0.012
0.009
0.006
0.003
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2112, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2112, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2112, n=2500, CI Width
CI_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

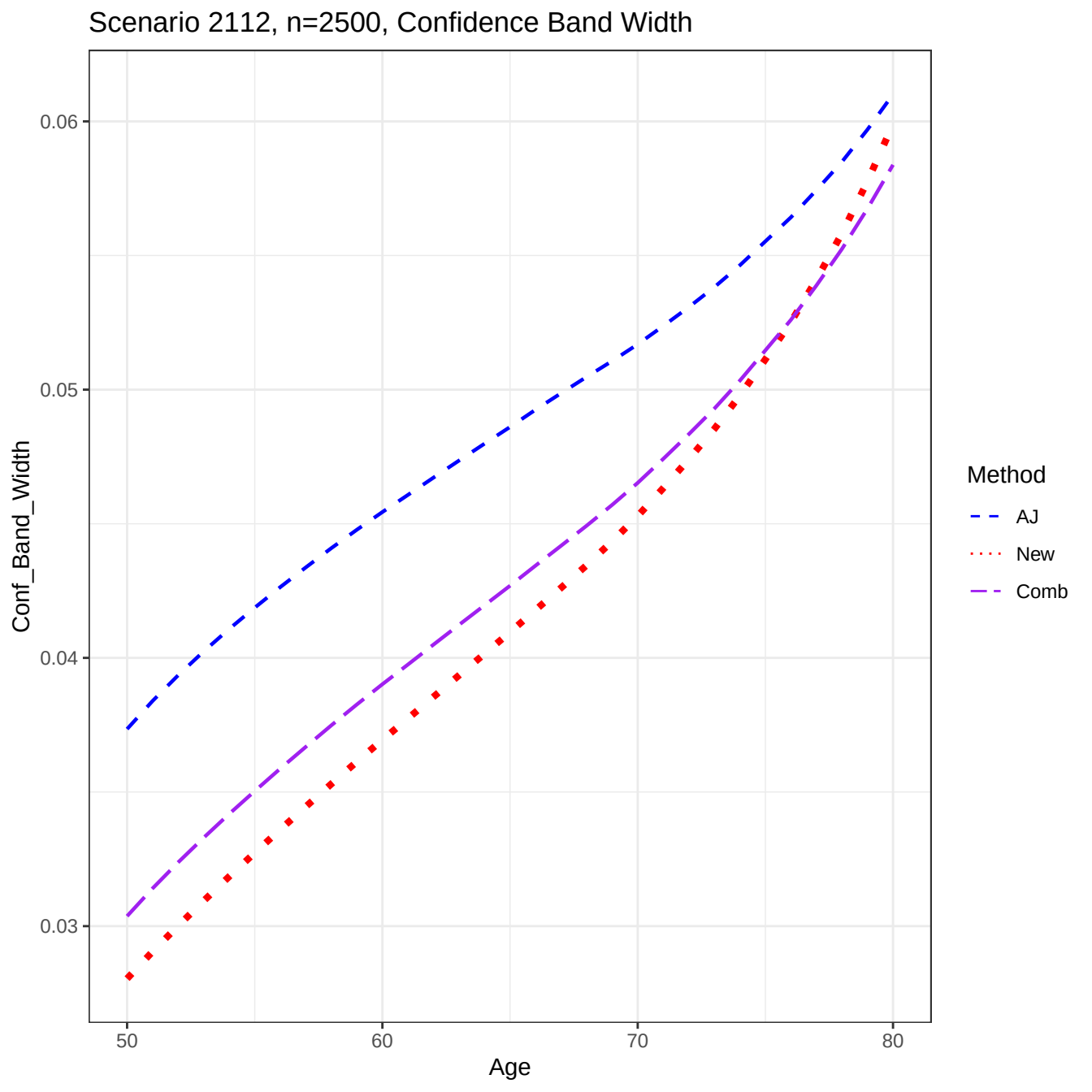
CONFIDENCE BAND COVERAGE RATES

Scenario: 2112

AJ: 0.923

new: 0.94

Combo: 0.934


Scenario 2112, n=2500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
0.03
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2121

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

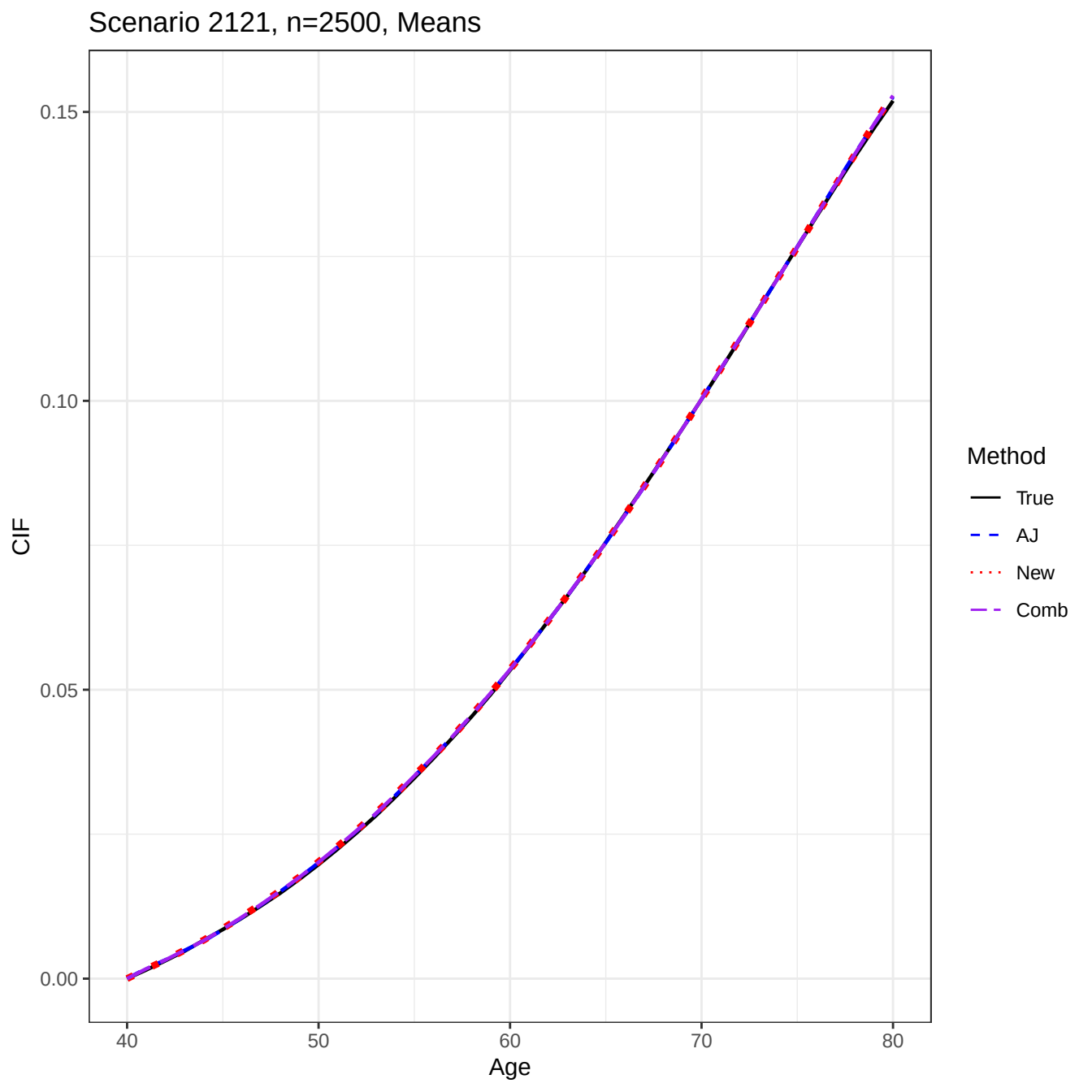
transformation: 0.5*pi − asin(sqrt(1−u))

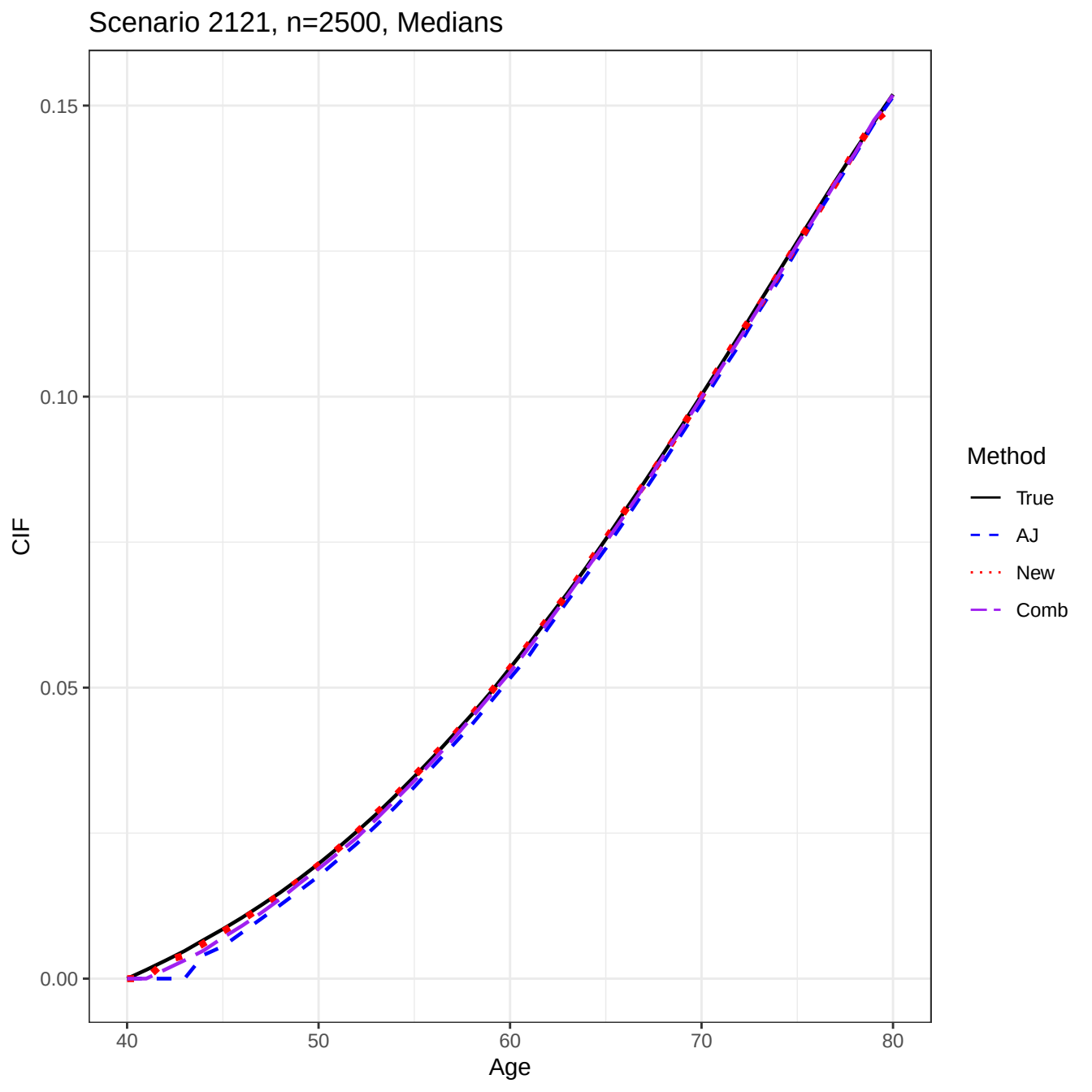
pointwise CI's done by: normal−theory

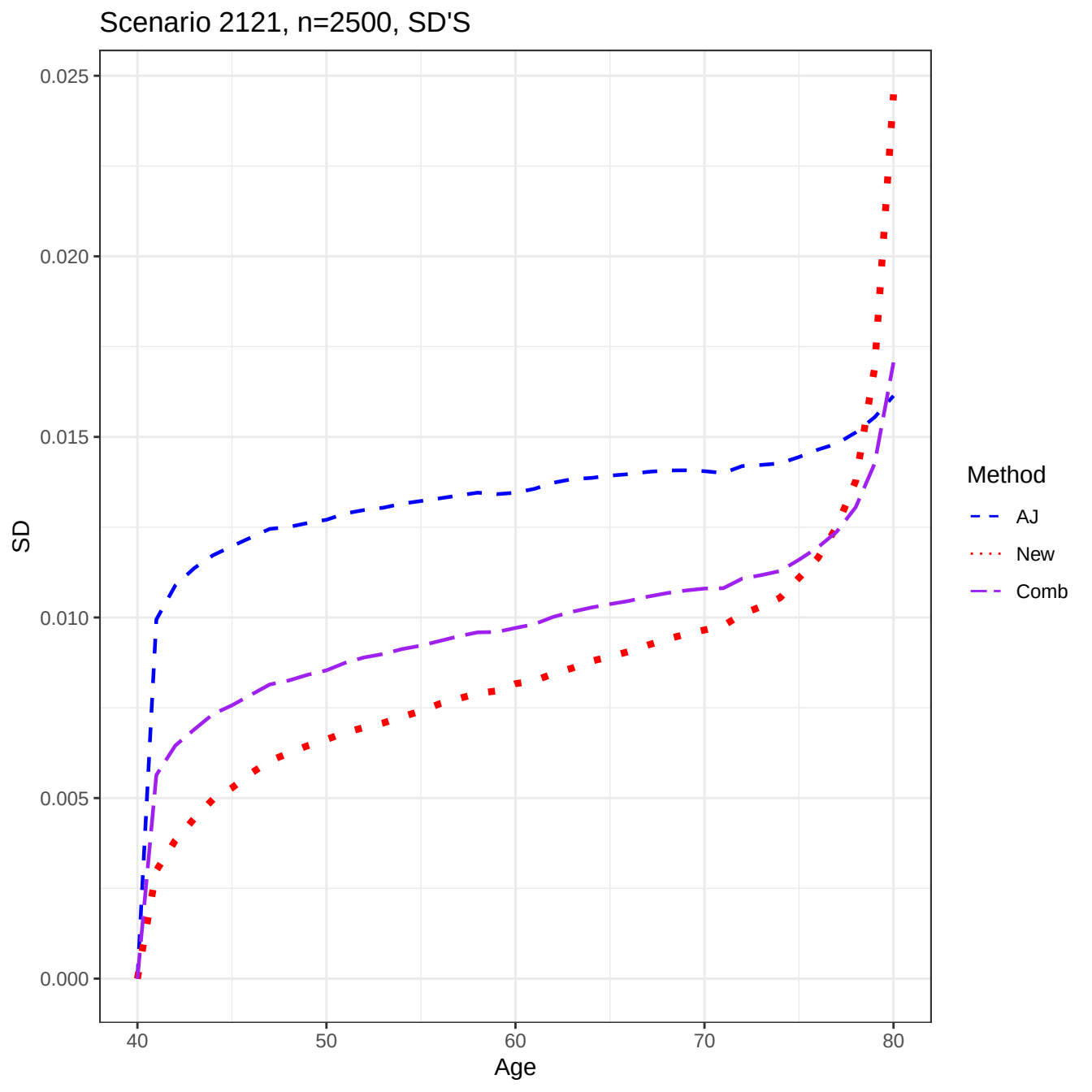
auxflg = FALSE

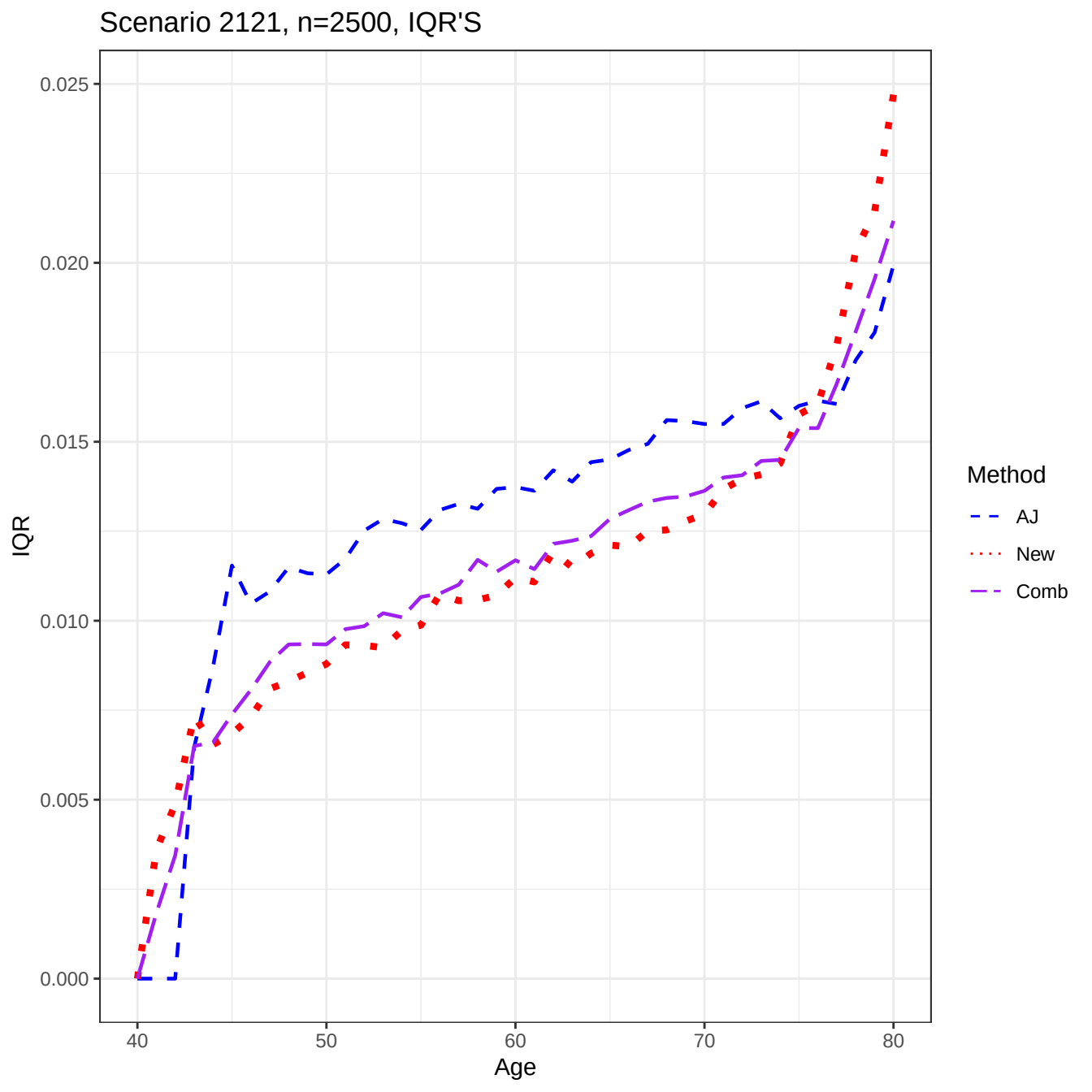
bootstrap weights: normal

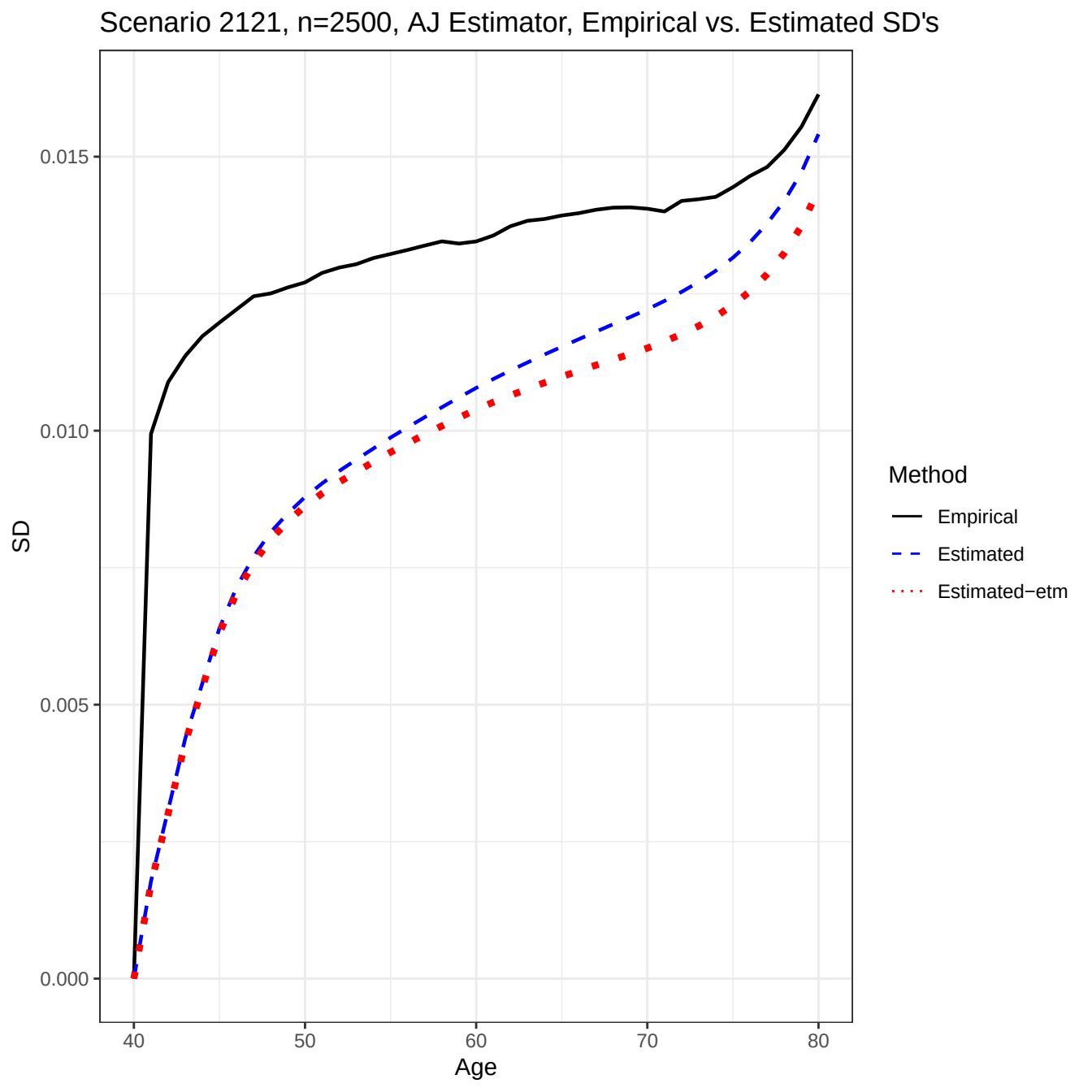
Date/Time: 2024−01−13 23:25:35.860464

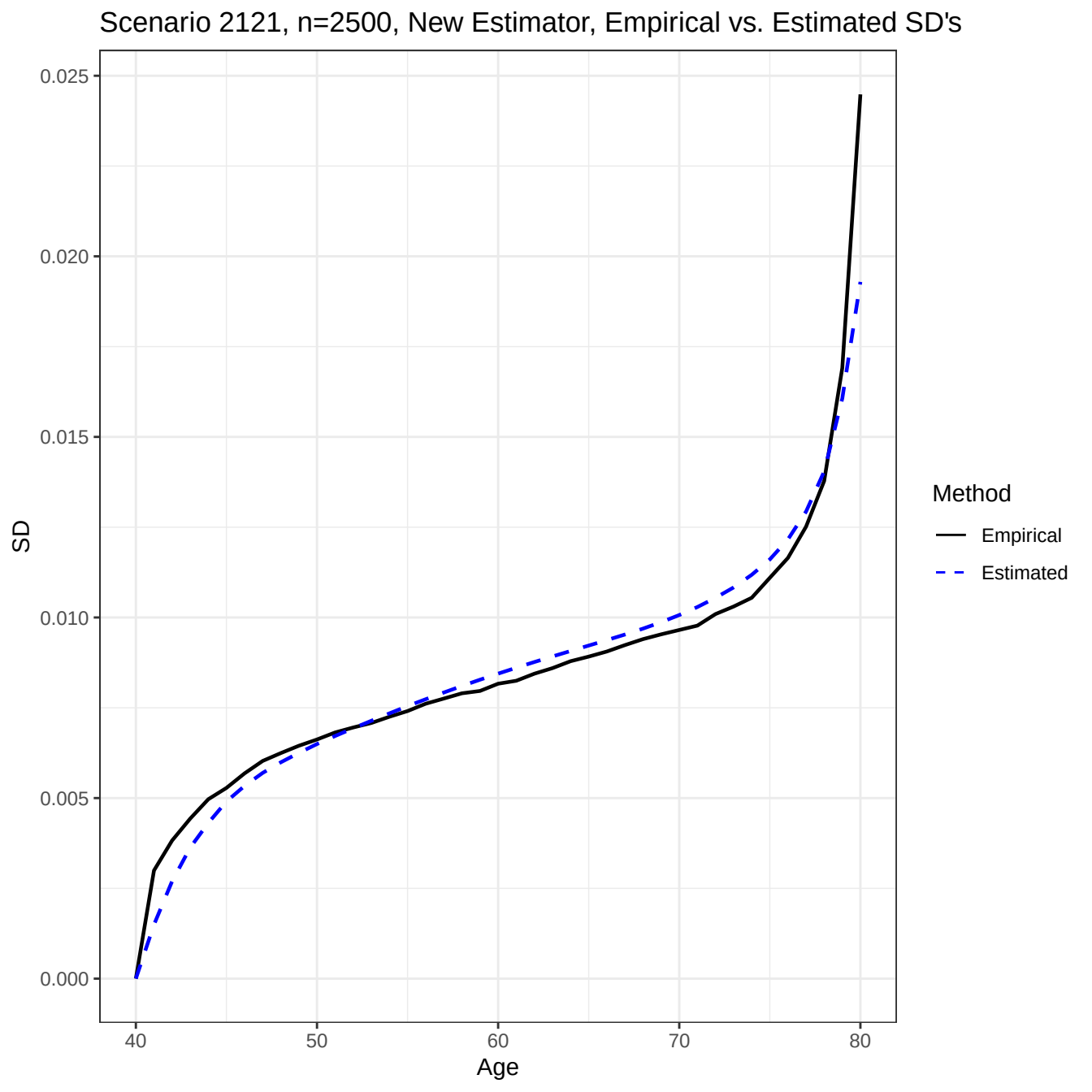

Scenario 2121, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

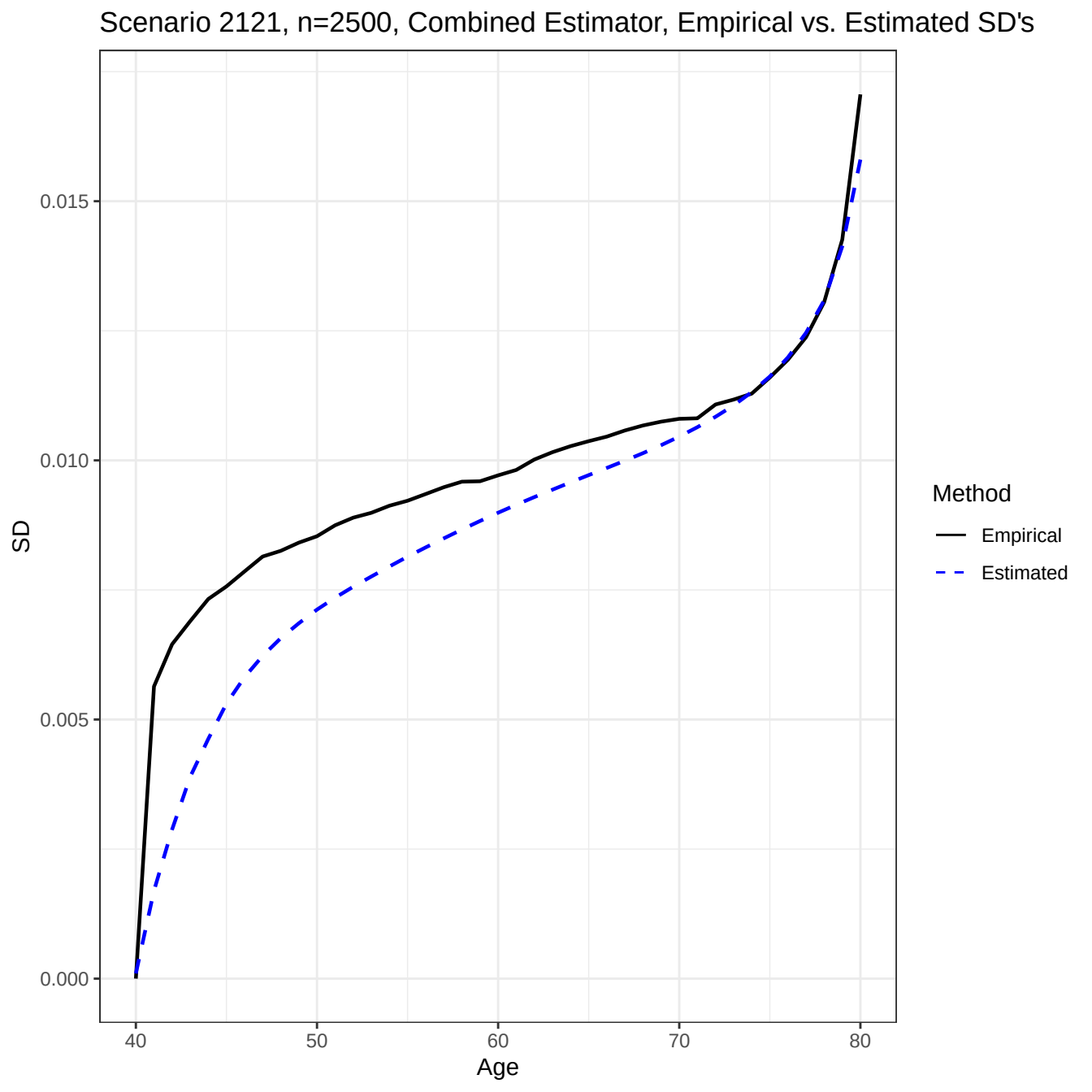

Scenario 2121, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

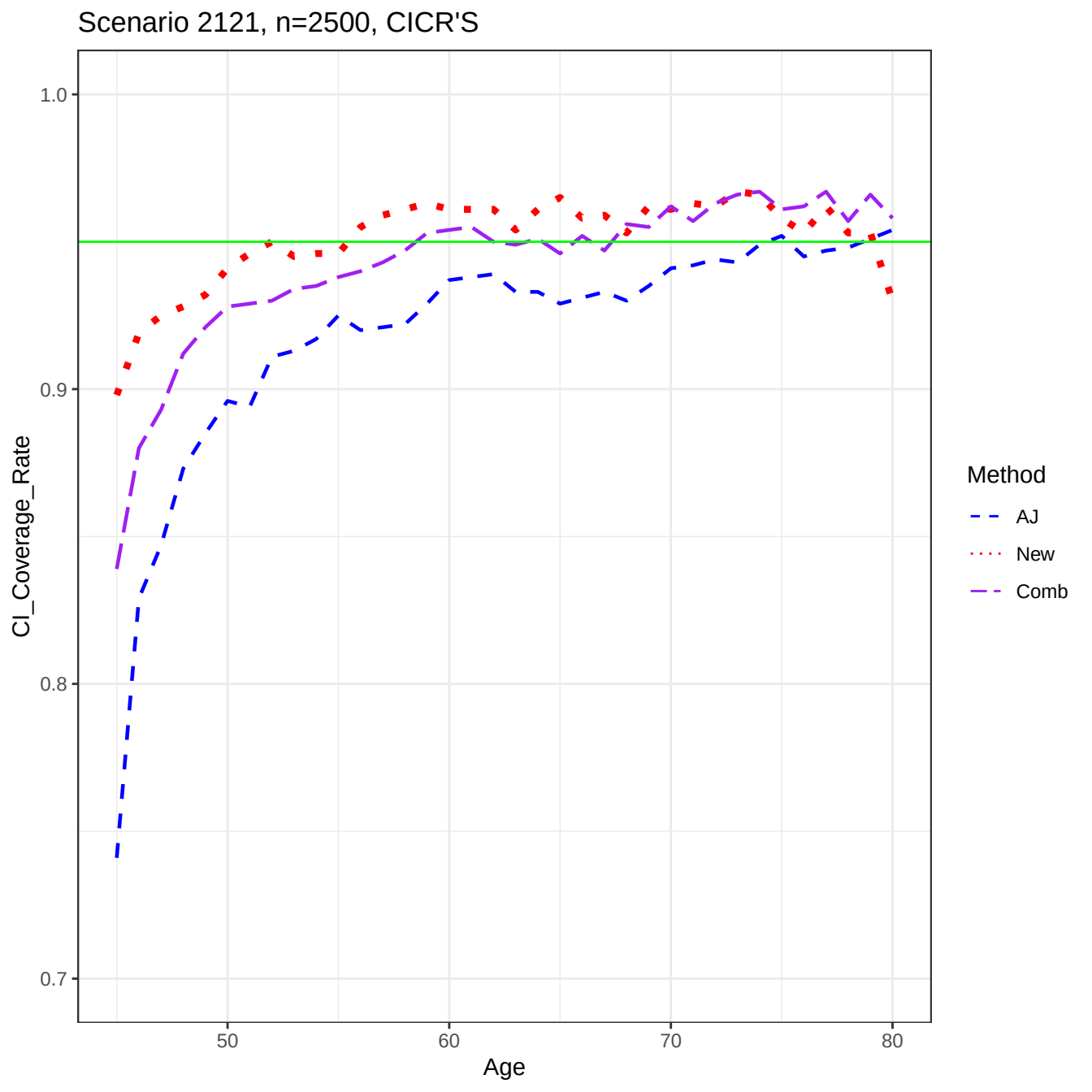

Scenario 2121, n=2500, SD'S
0.025
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

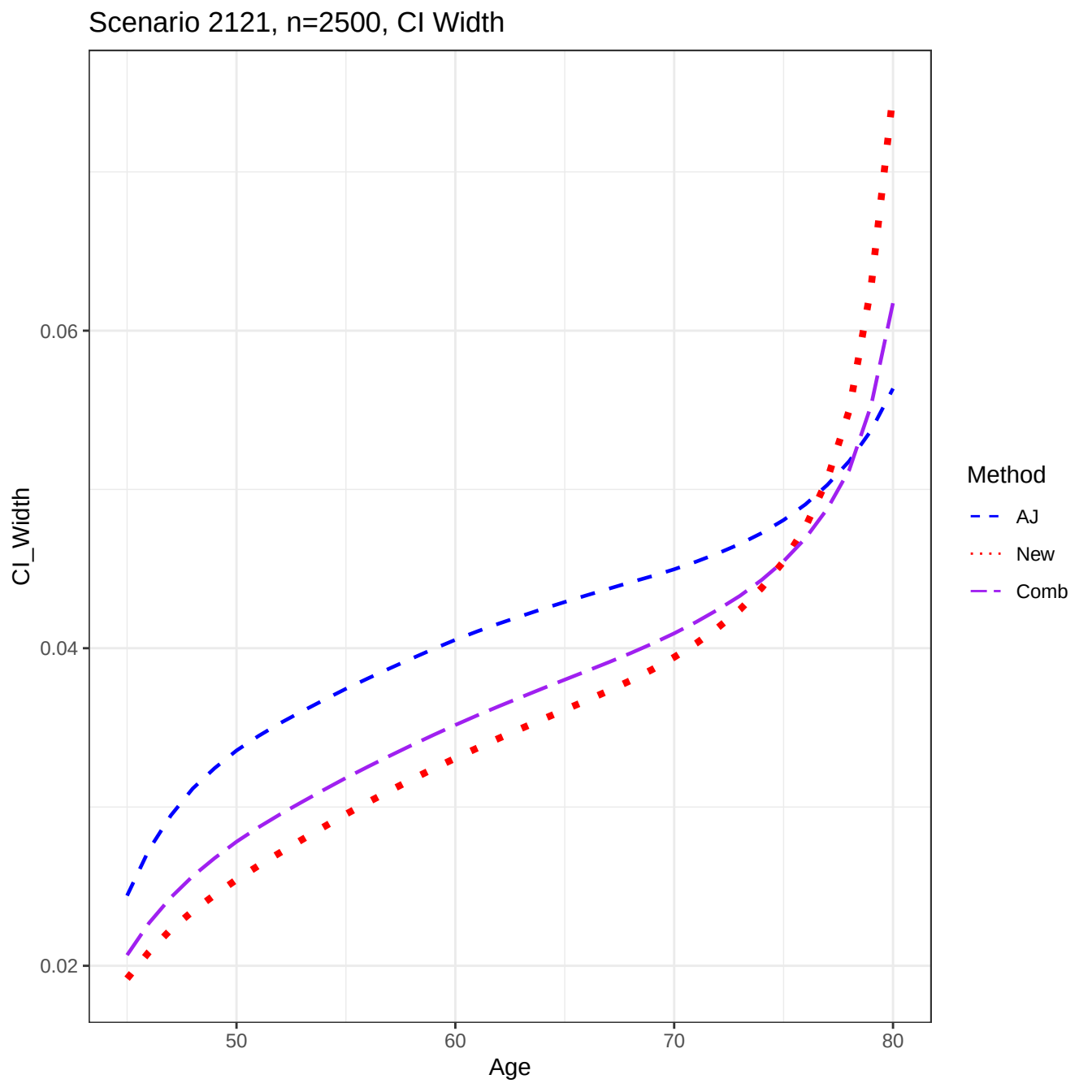

Scenario 2121, n=2500, IQR'S
IQR
0.025
0.020
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2121, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2121, n=2500, New Estimator, Empirical vs. Estimated SD's
0.025
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2121, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2121, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2121, n=2500, CI Width
CI_Width
0.06
0.04
0.02
50
60
70
80
Age
Method
AJ
New
Comb

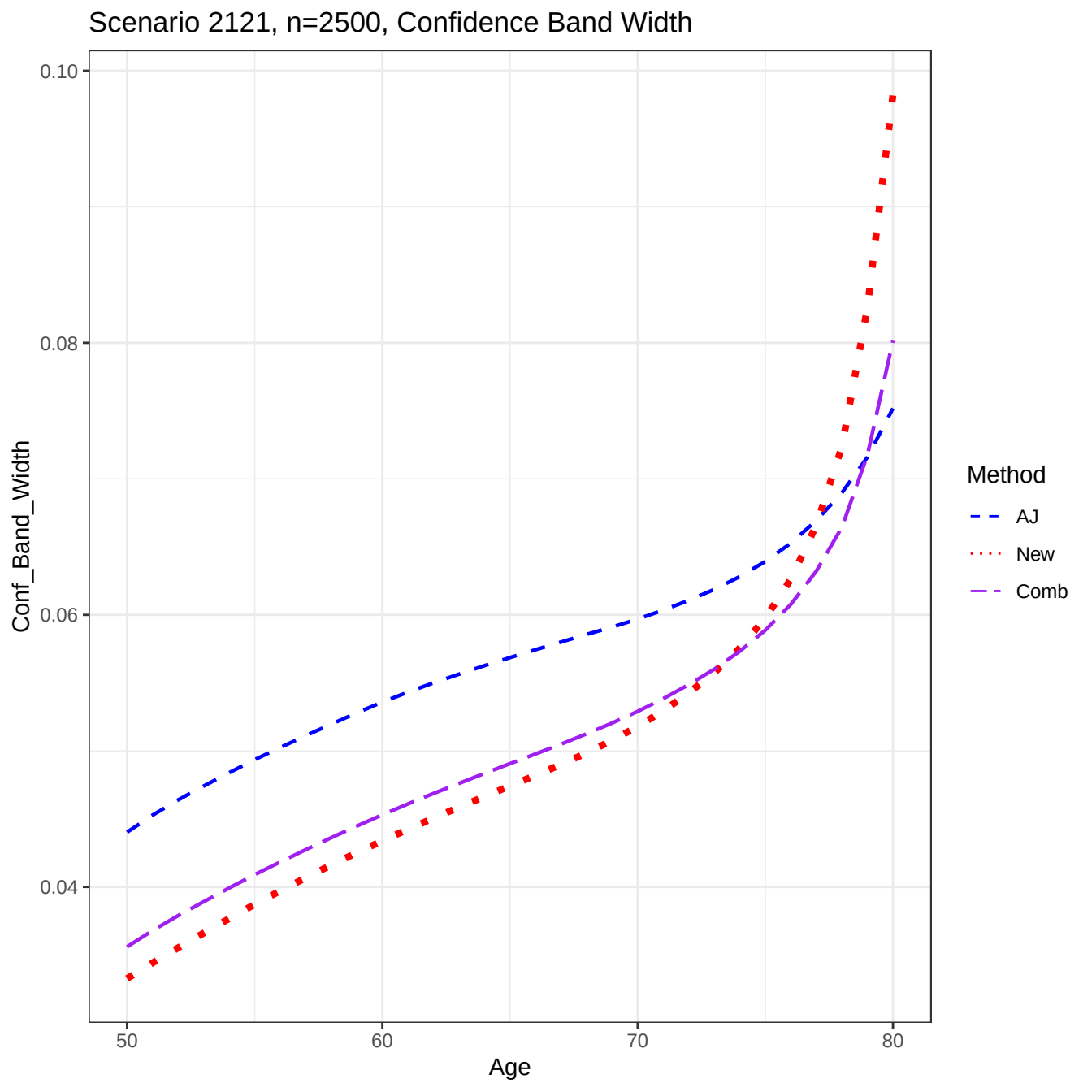
CONFIDENCE BAND COVERAGE RATES

Scenario: 2121

AJ: 0.919

new: 0.924

Combo: 0.926


Scenario 2121, n=2500, Confidence Band Width
Conf_Band_Width
0.10
0.08
0.06
0.04
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2122

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

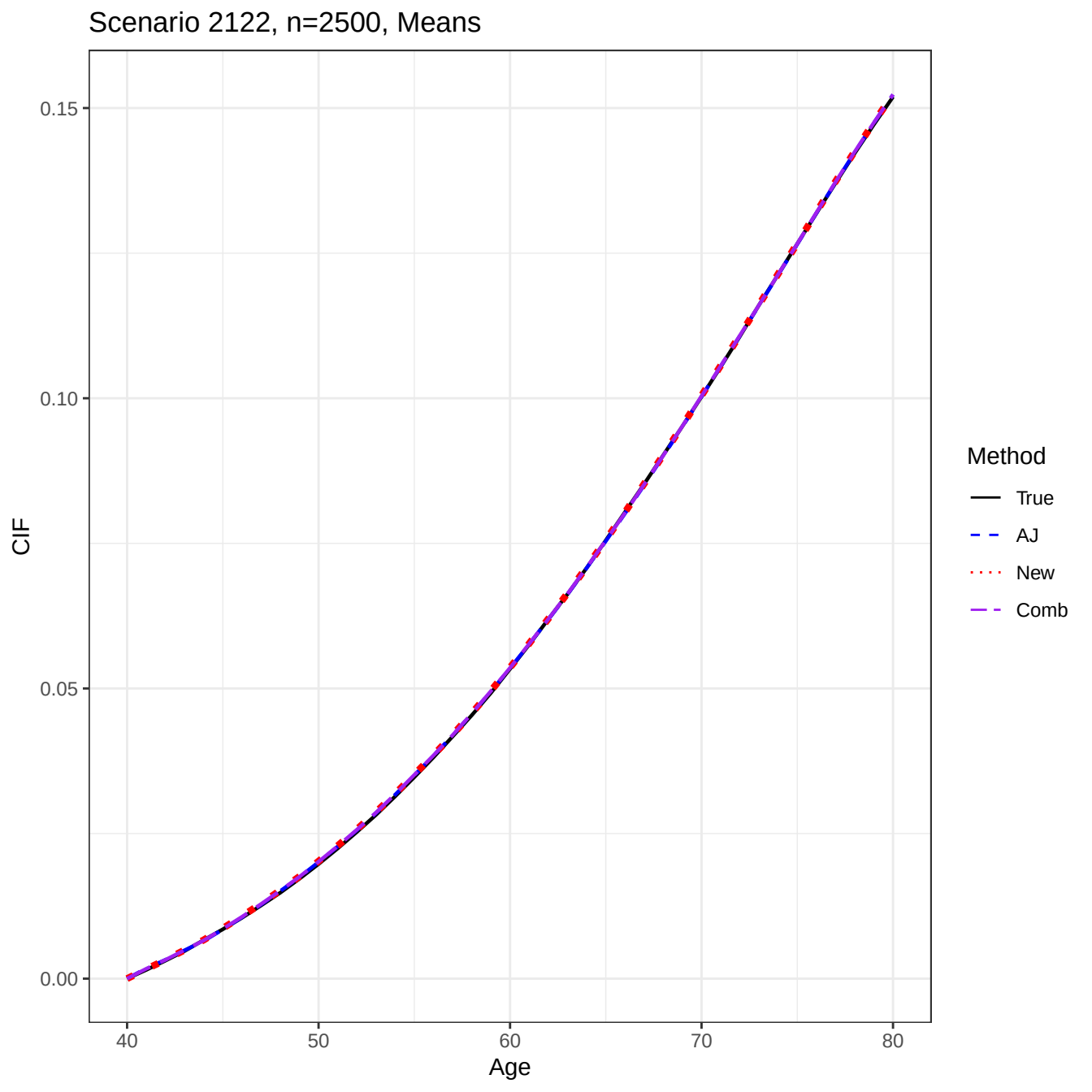
transformation: 0.5*pi − asin(sqrt(1−u))

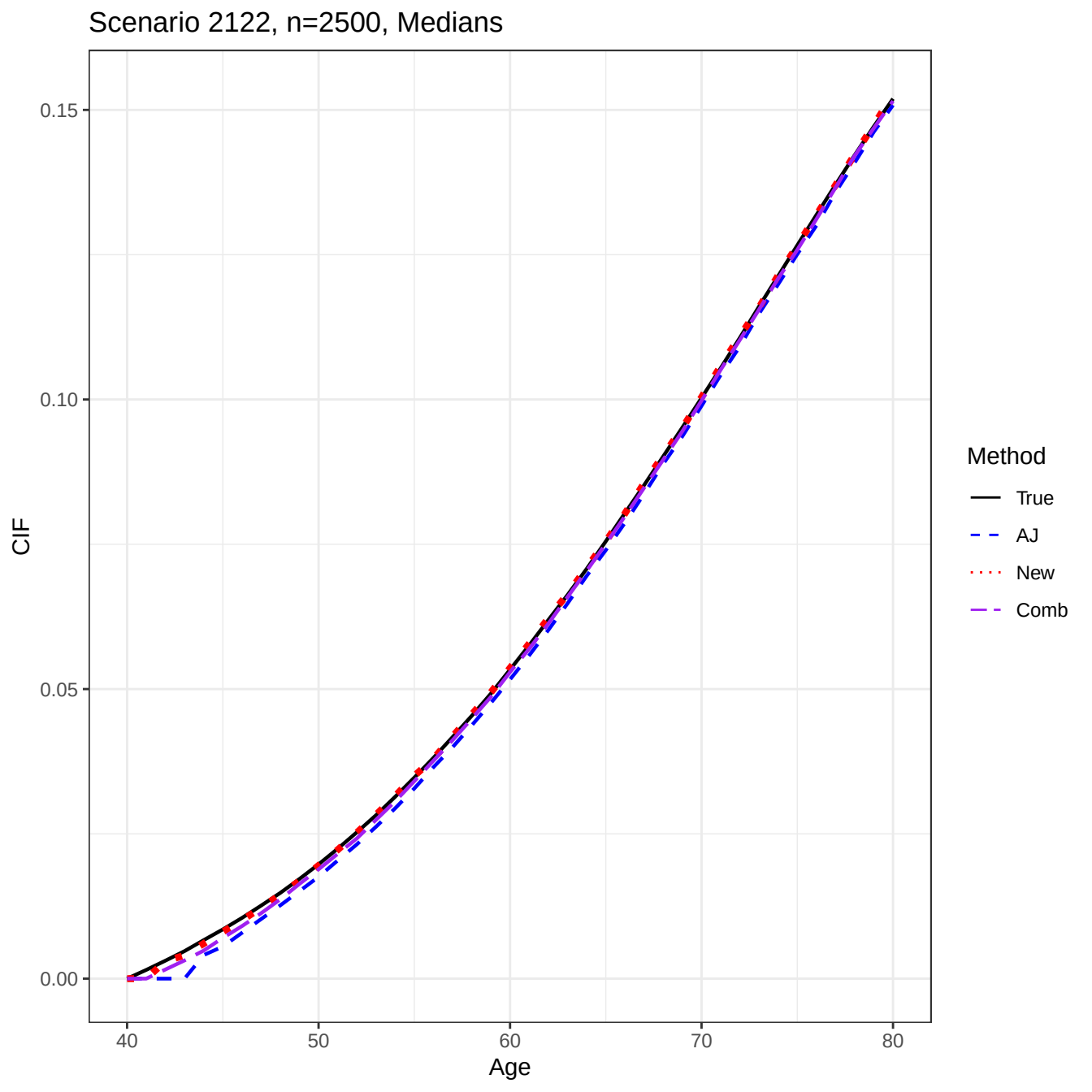
pointwise CI's done by: normal−theory

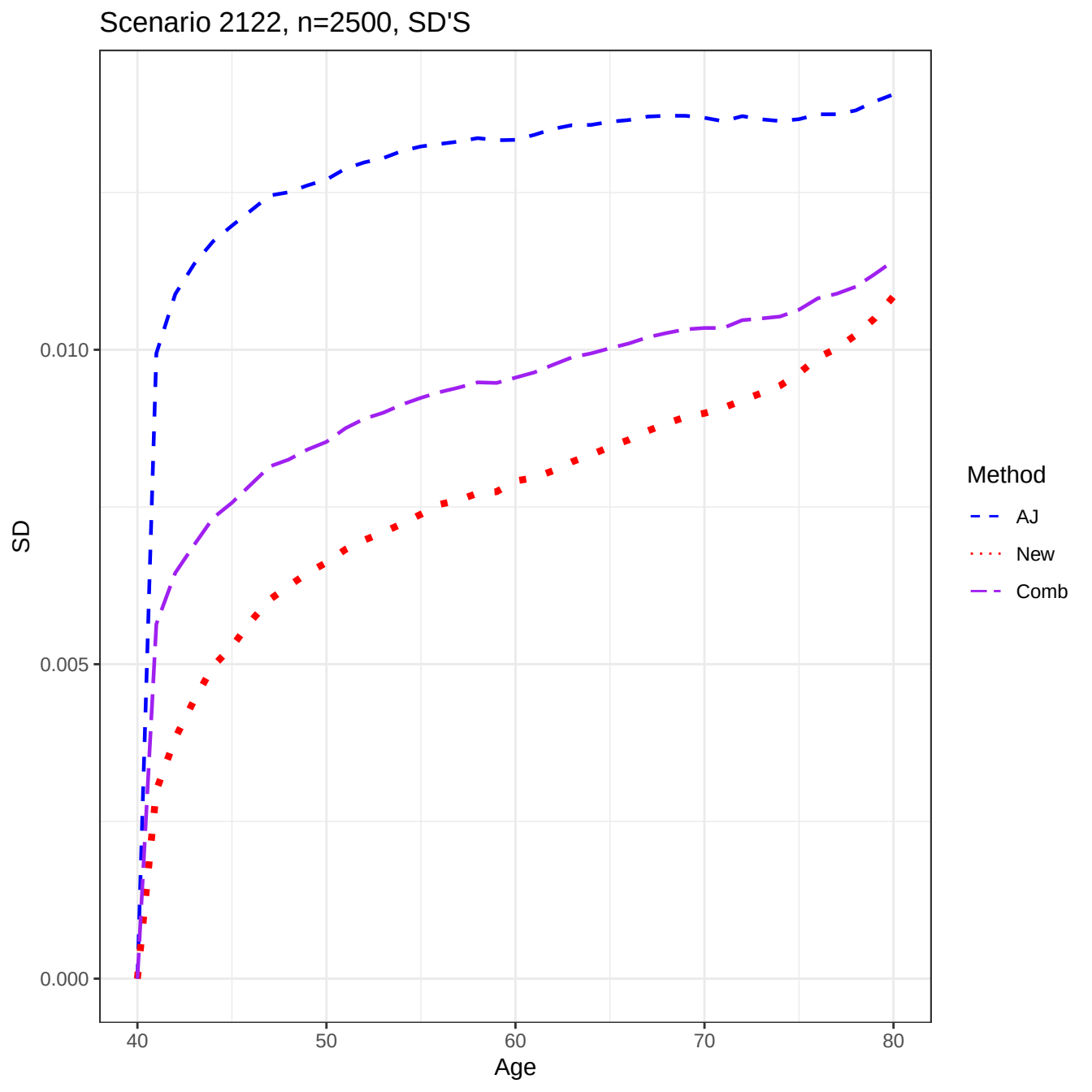
auxflg = FALSE

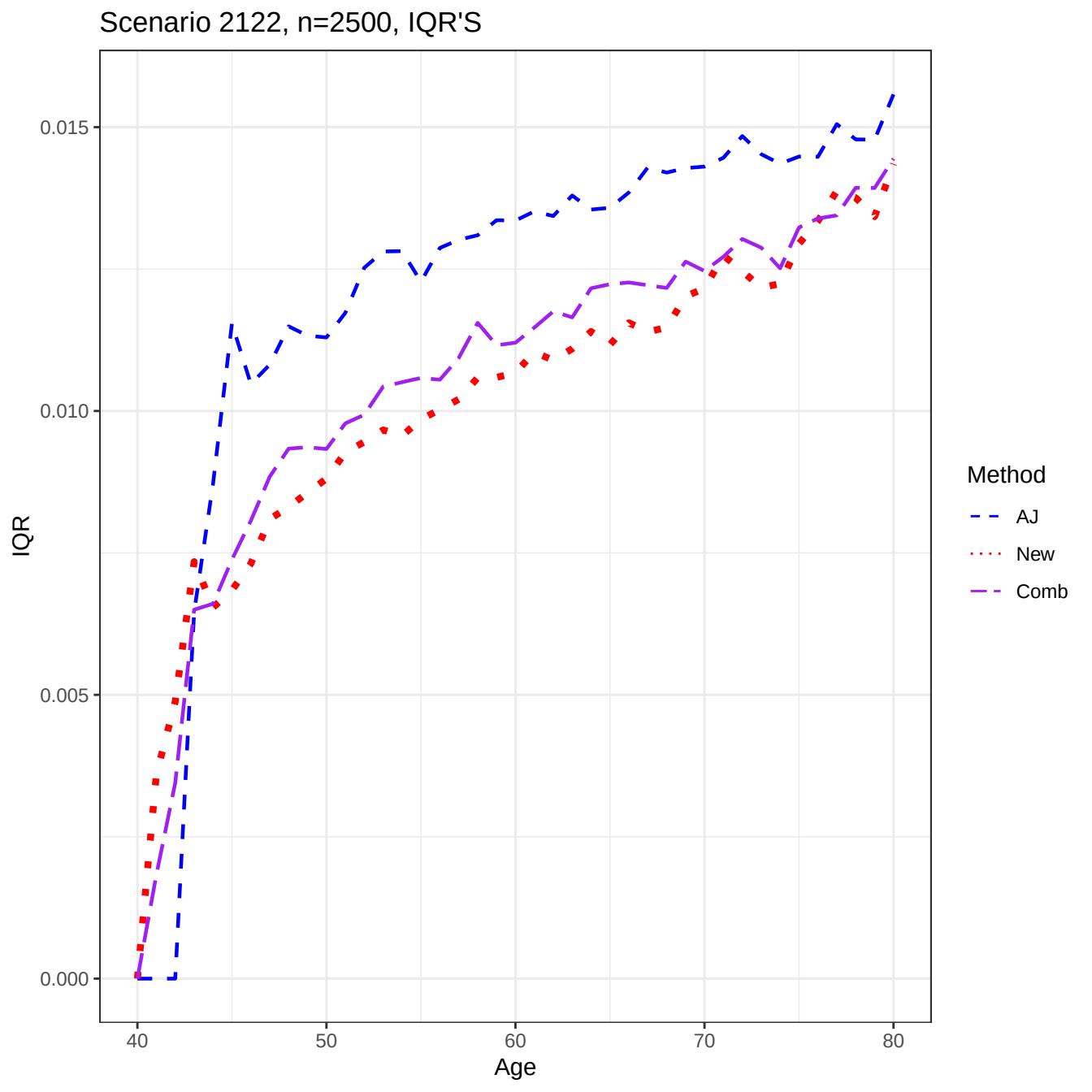
bootstrap weights: normal

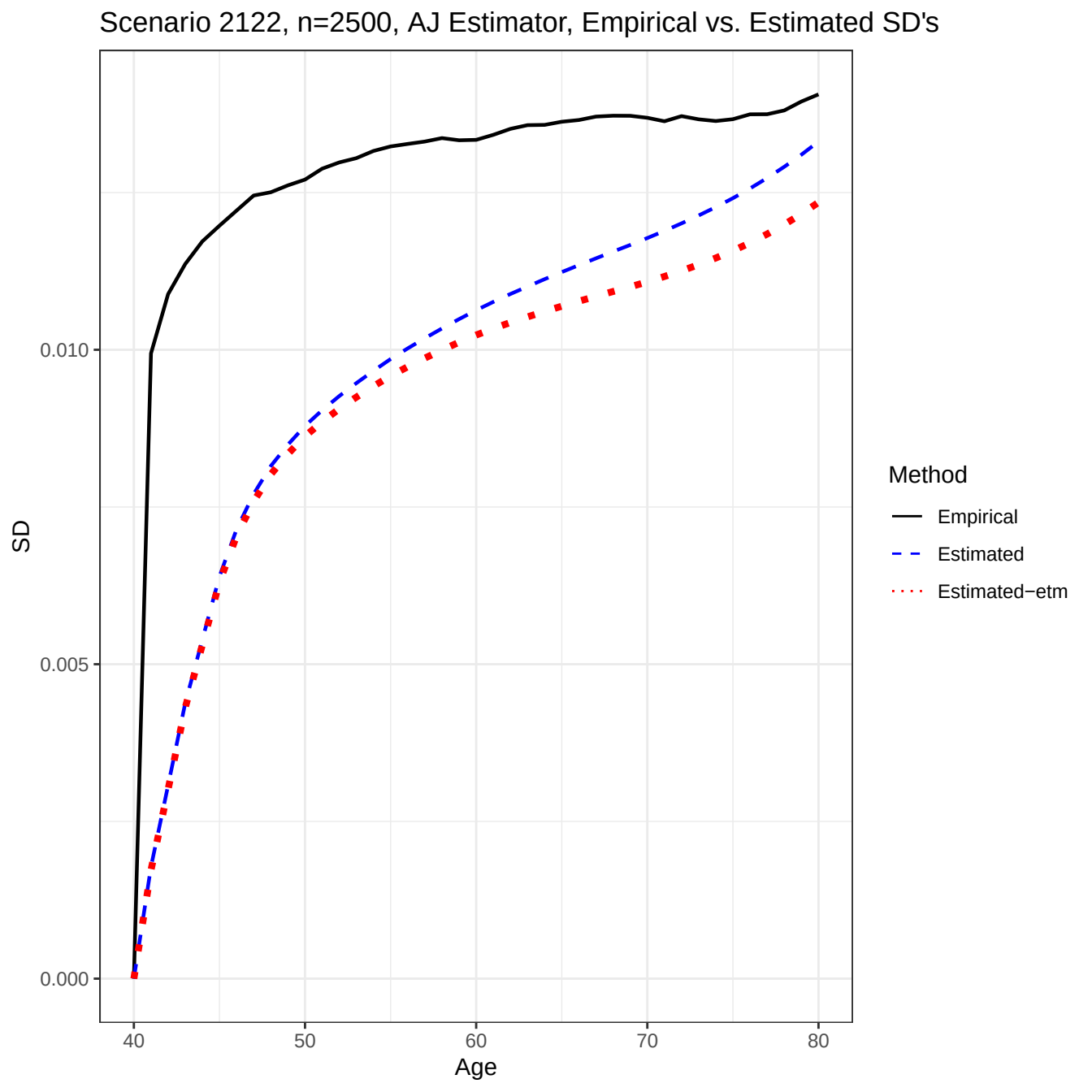
Date/Time: 2024−01−14 00:11:30.757461

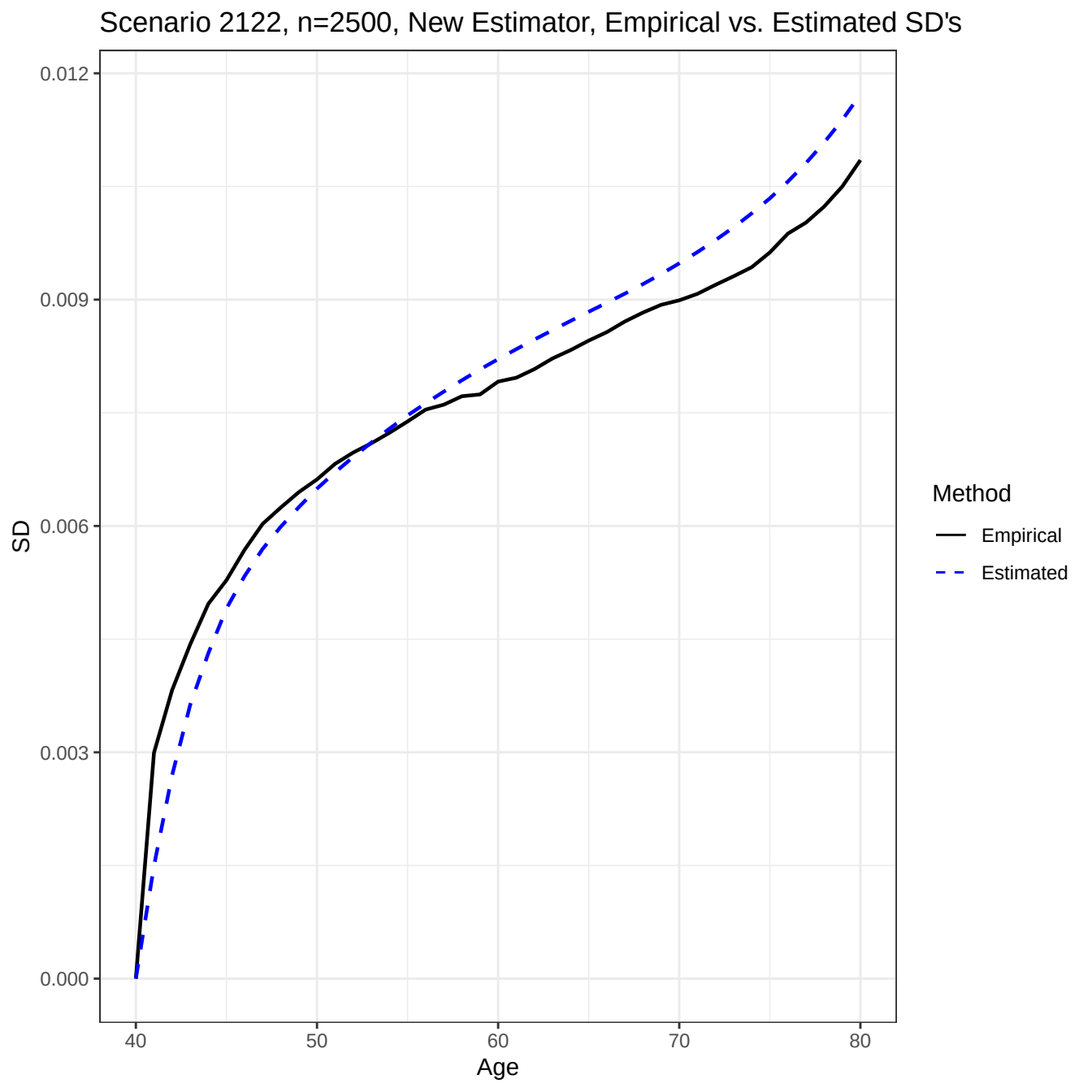

Scenario 2122, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

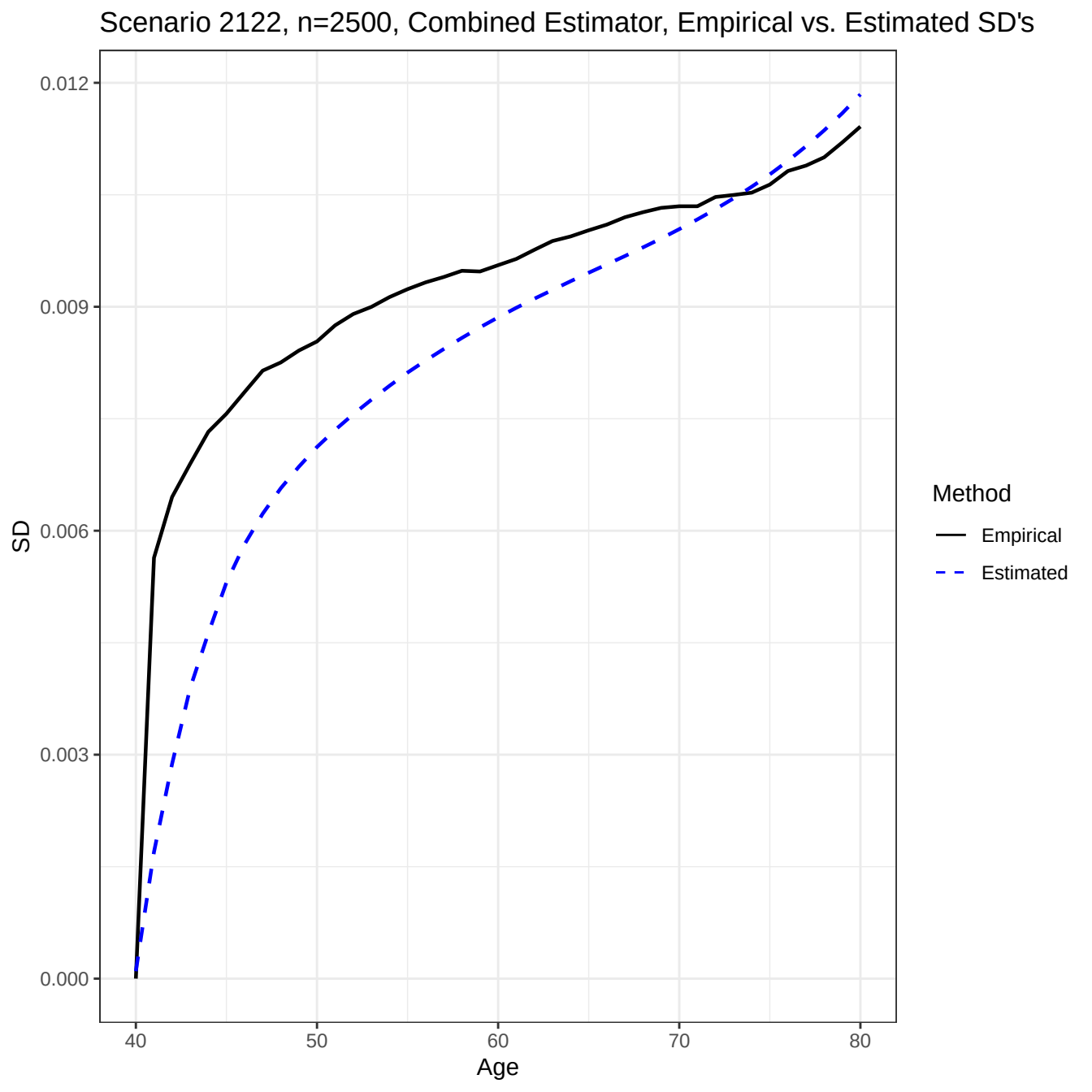

Scenario 2122, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

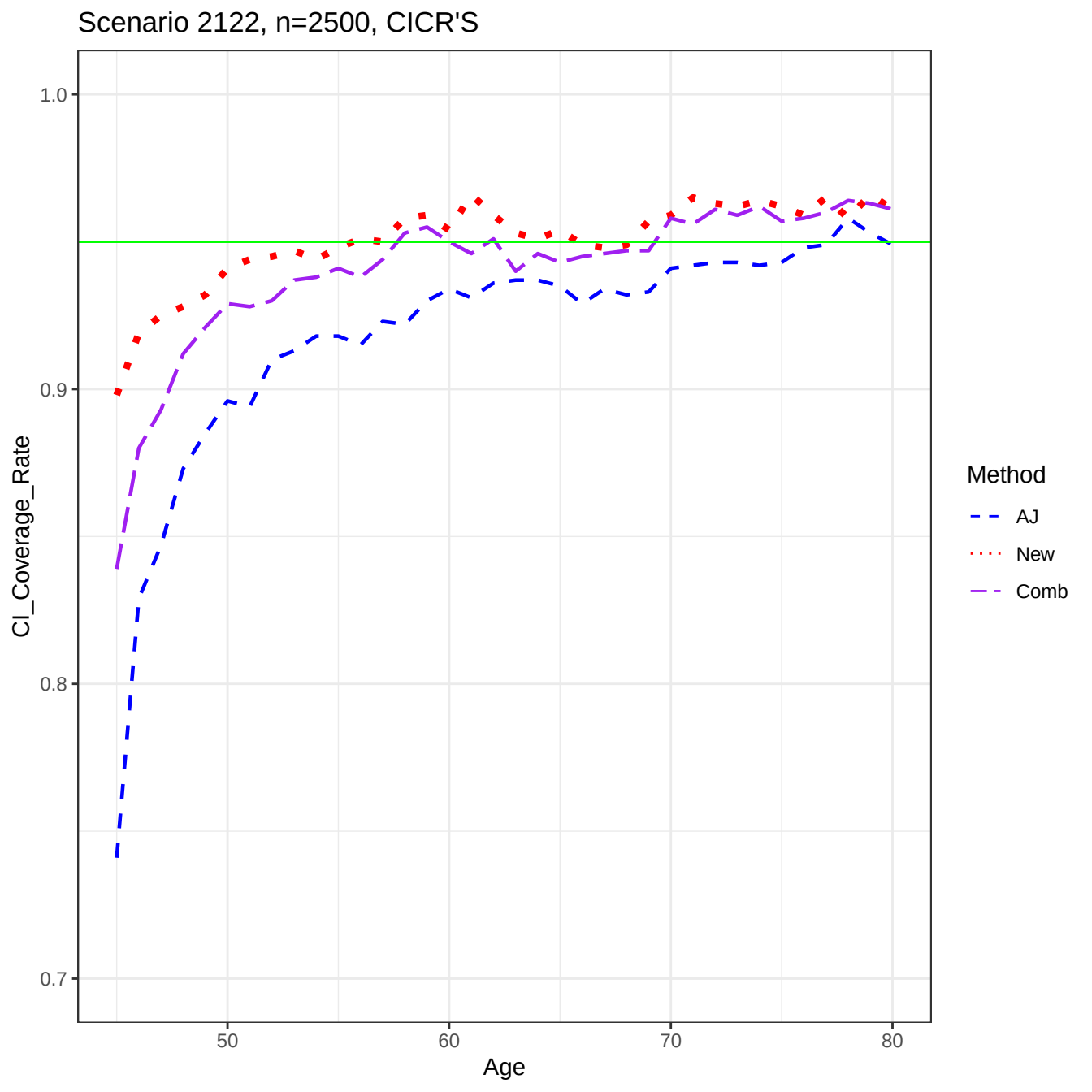

Scenario 2122, n=2500, SD'S
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

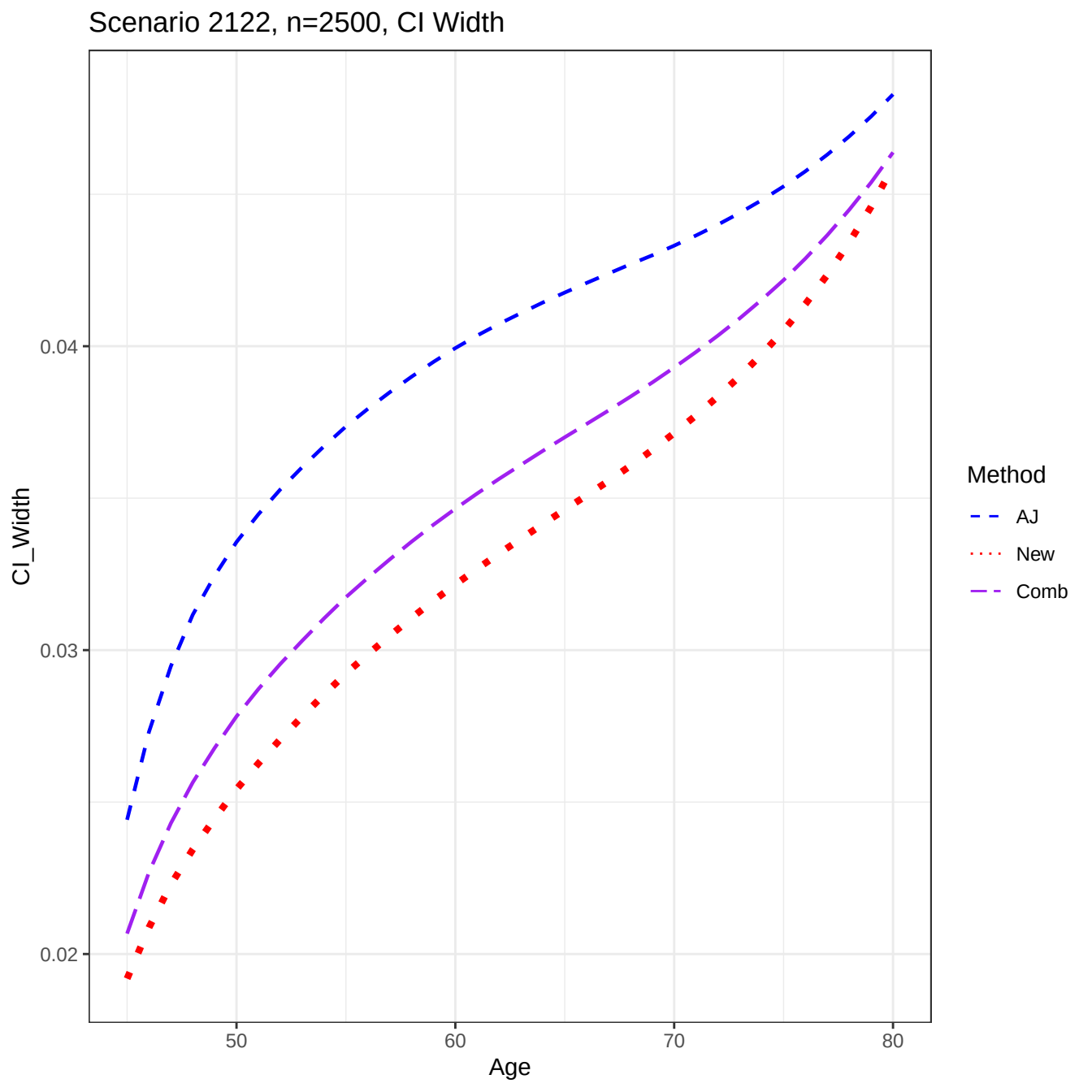

Scenario 2122, n=2500, IQR'S
0.015
0.010
0.005
0.000
IQR
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2122, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2122, n=2500, New Estimator, Empirical vs. Estimated SD's
0.012
0.009
0.006
0.003
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2122, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.012
0.009
0.006
0.003
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2122, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2122, n=2500, CI Width
CI_Width
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

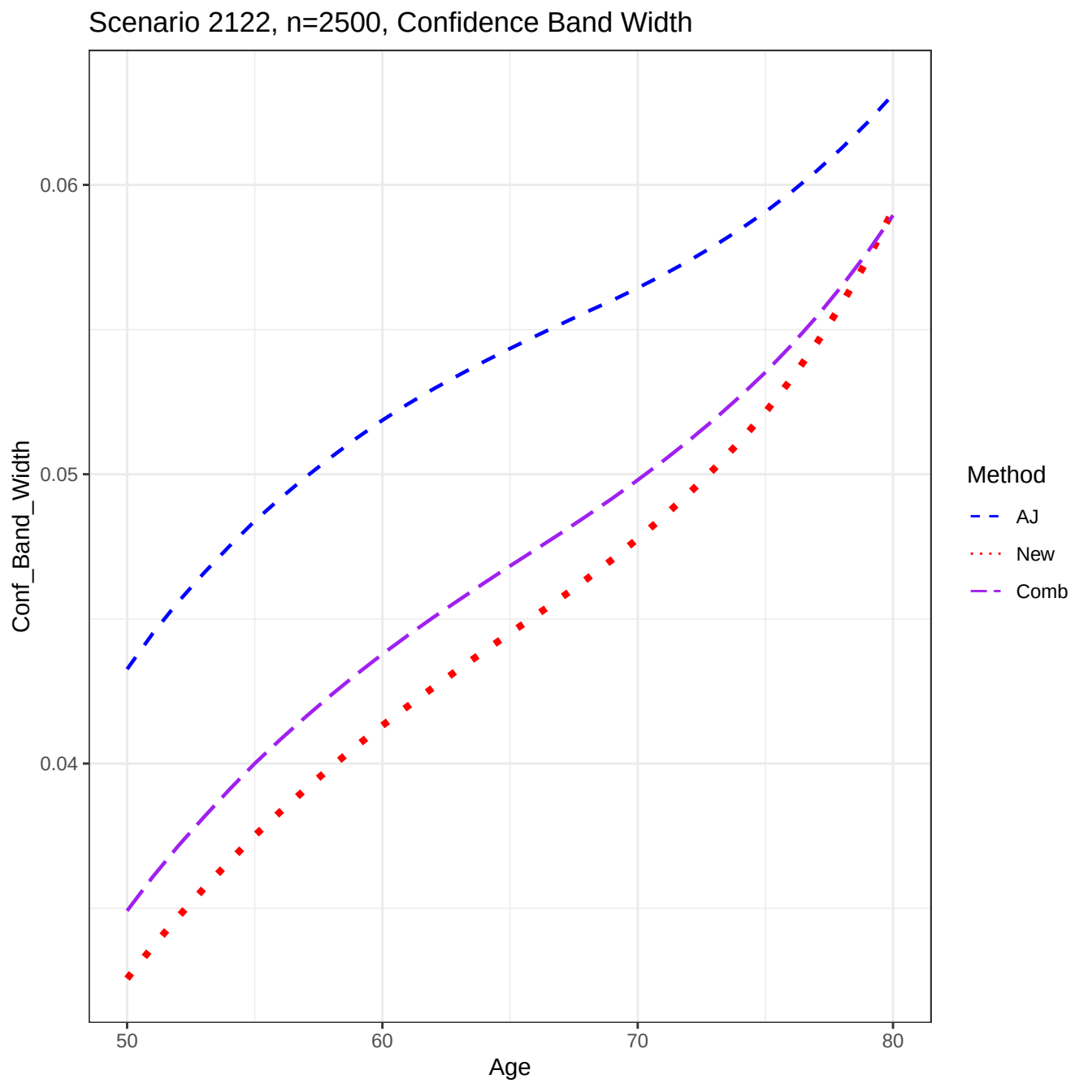
CONFIDENCE BAND COVERAGE RATES

Scenario: 2122

AJ: 0.924

new: 0.94

Combo: 0.93


Scenario 2122, n=2500, Confidence Band Width
Conf_Band_Width
0.06
0.05
0.04
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2211

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

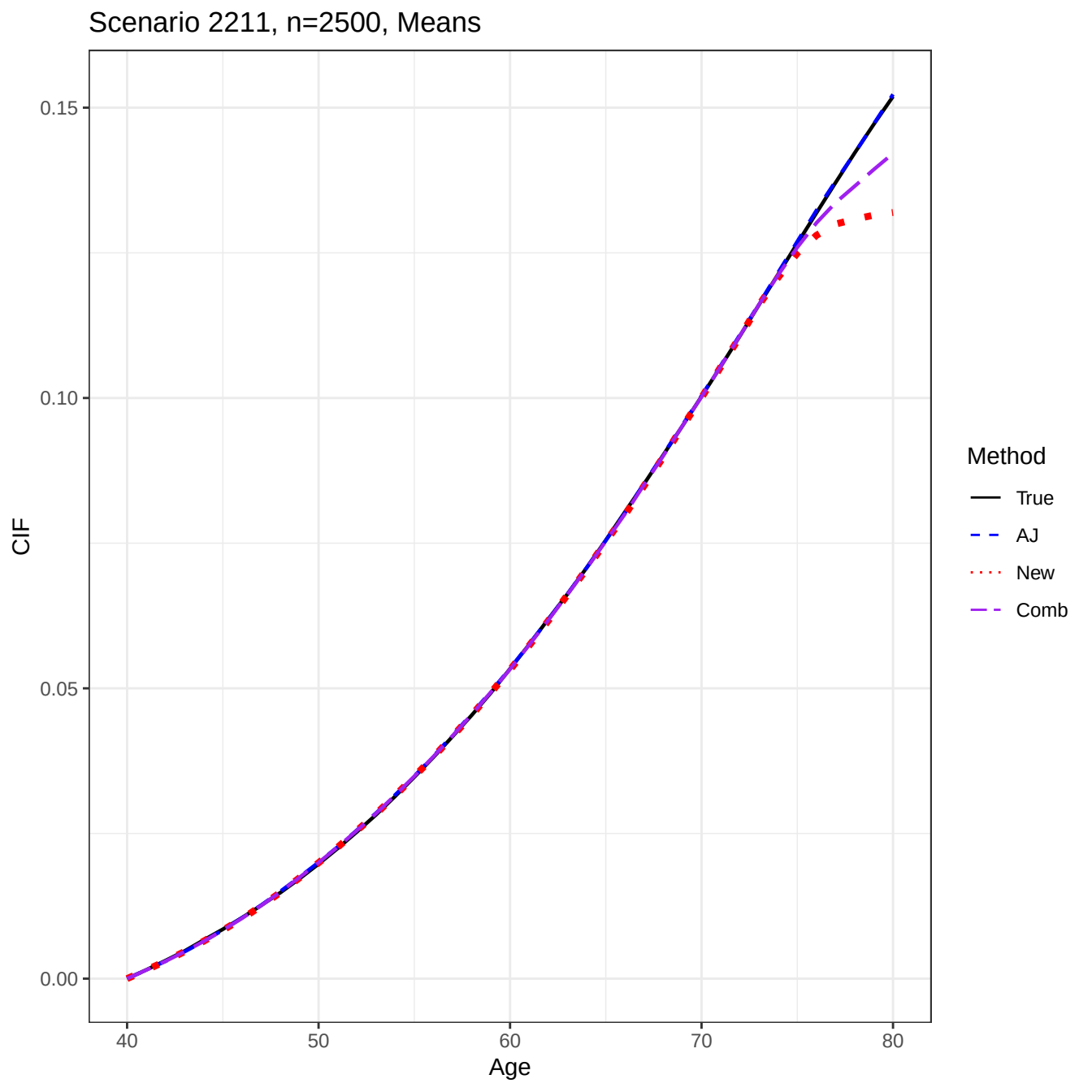
transformation: 0.5*pi − asin(sqrt(1−u))

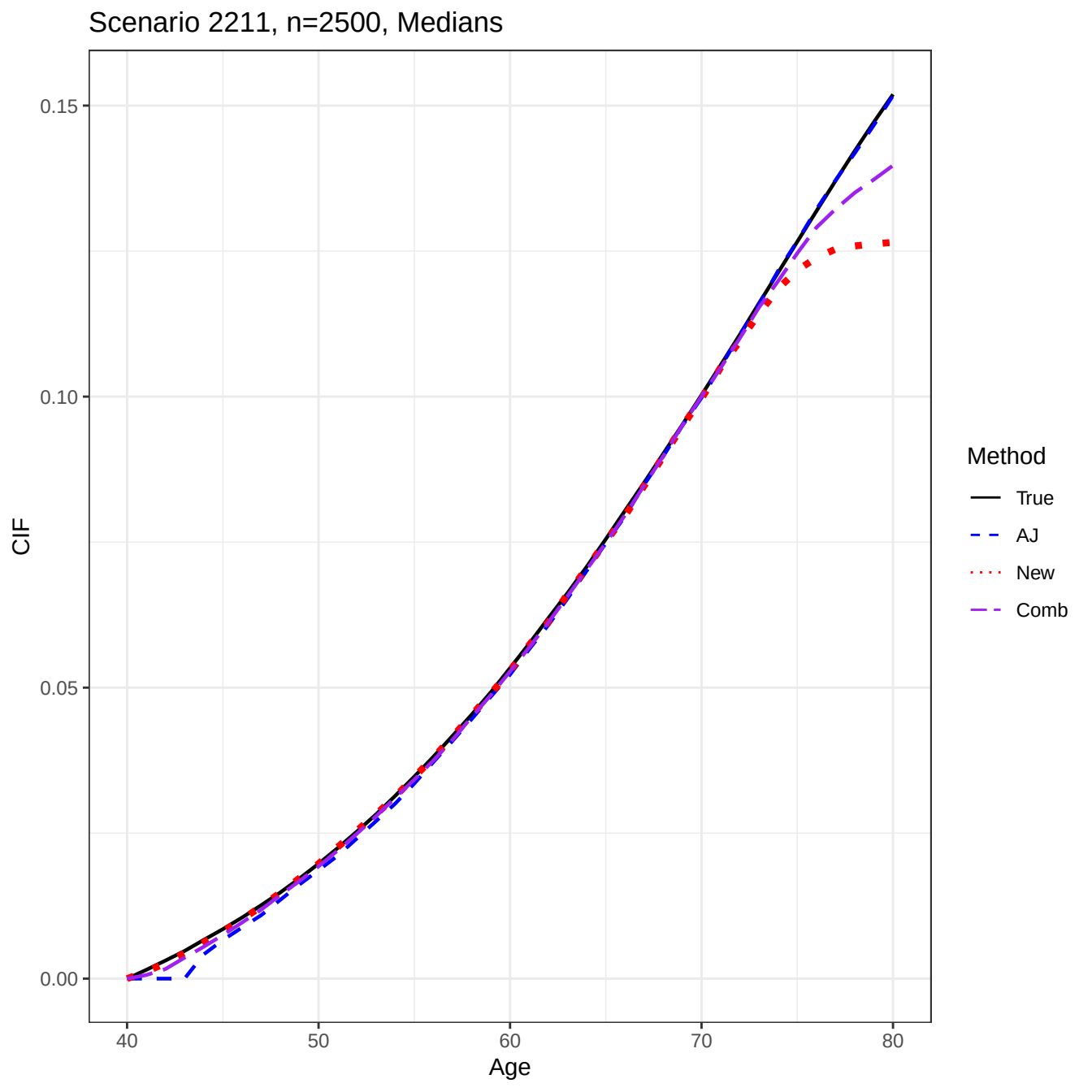
pointwise CI's done by: normal−theory

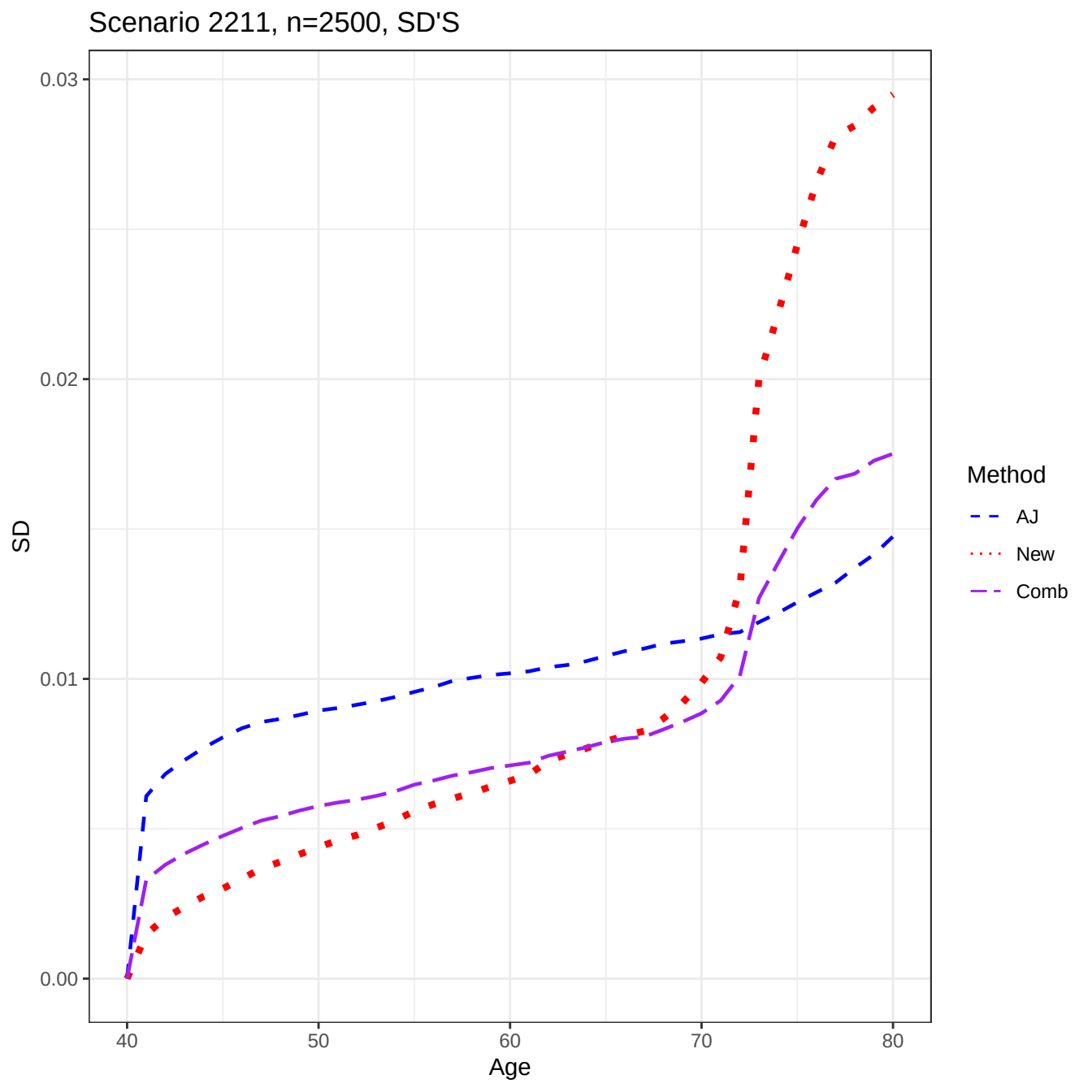
auxflg = FALSE

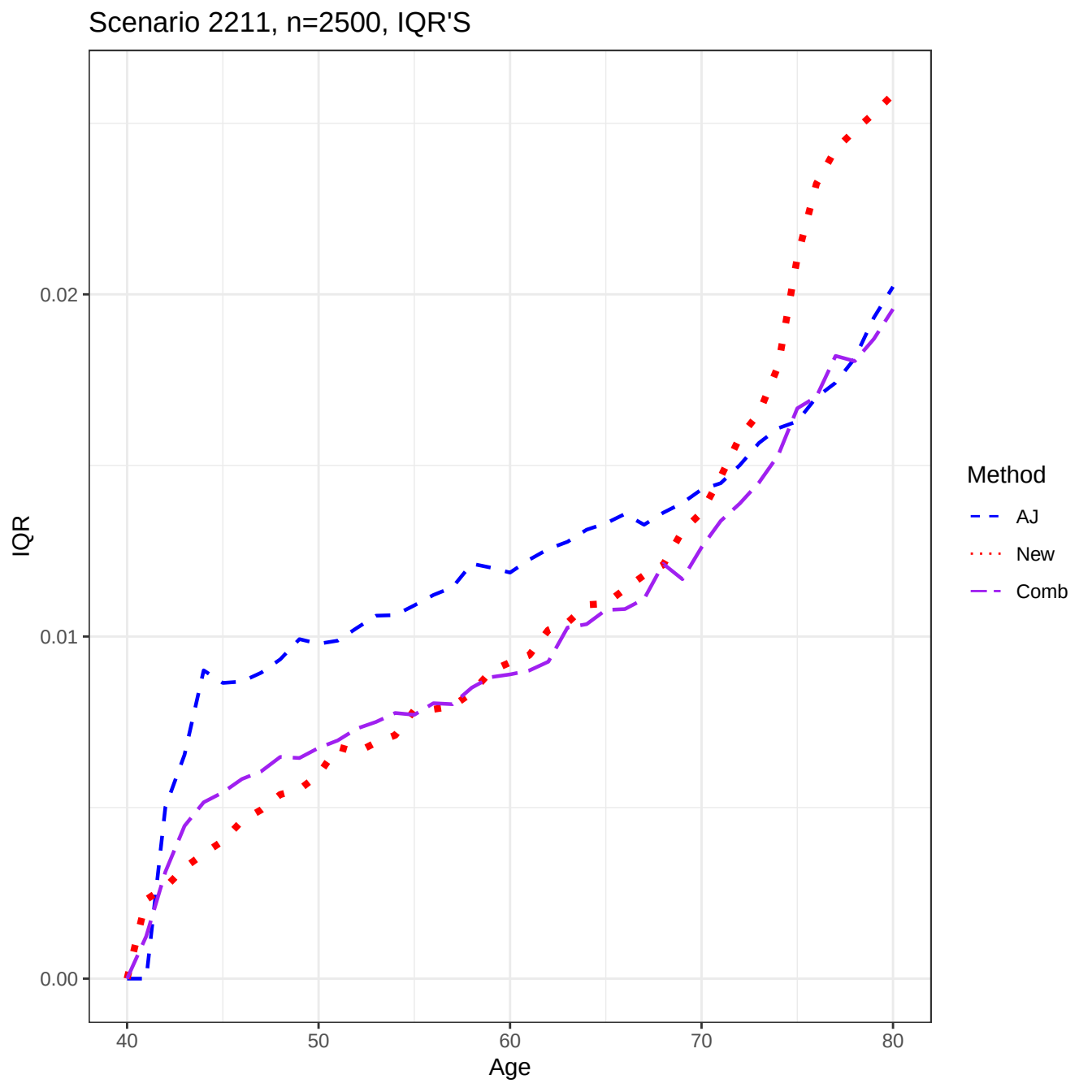
bootstrap weights: normal

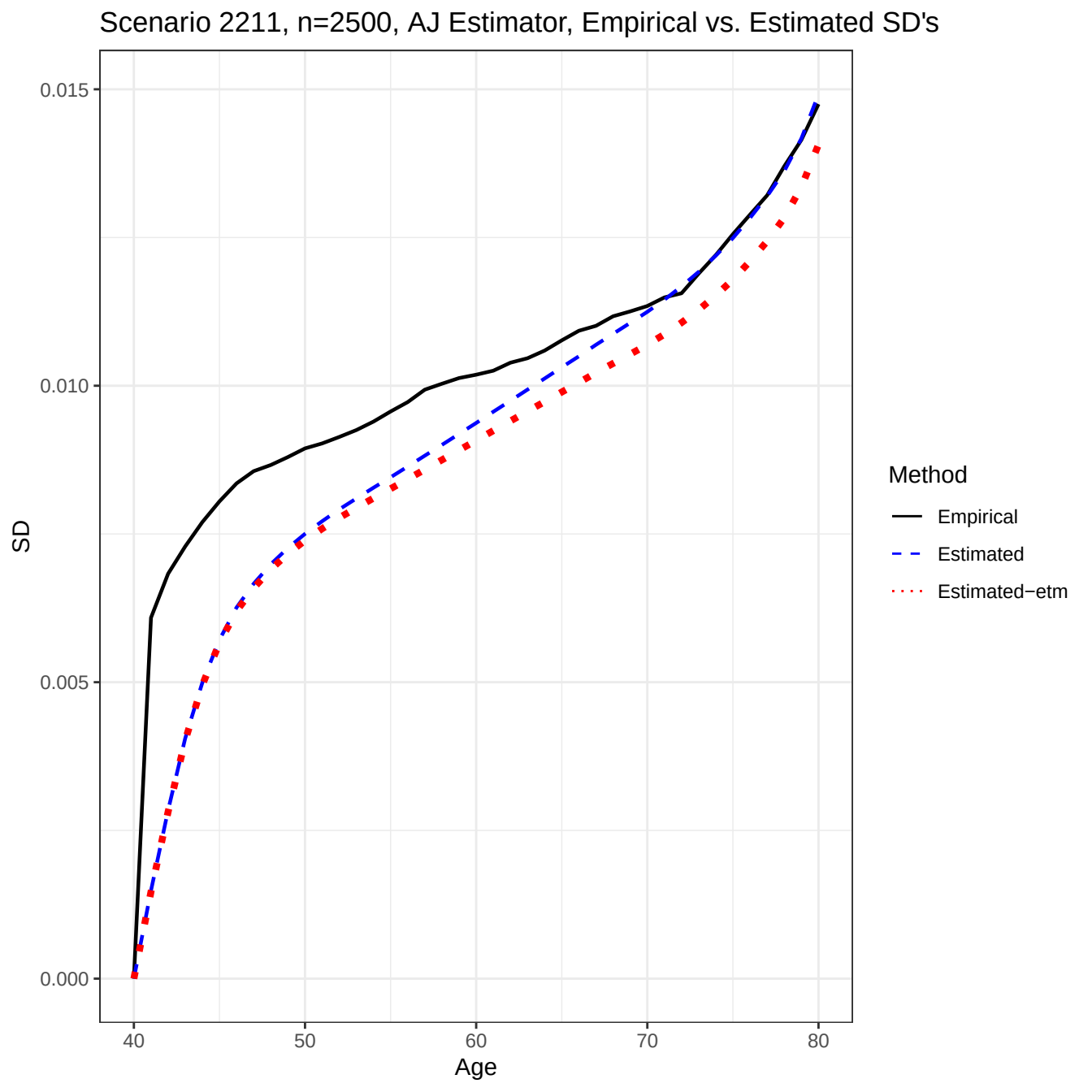
Date/Time: 2024−01−14 12:26:24.277736

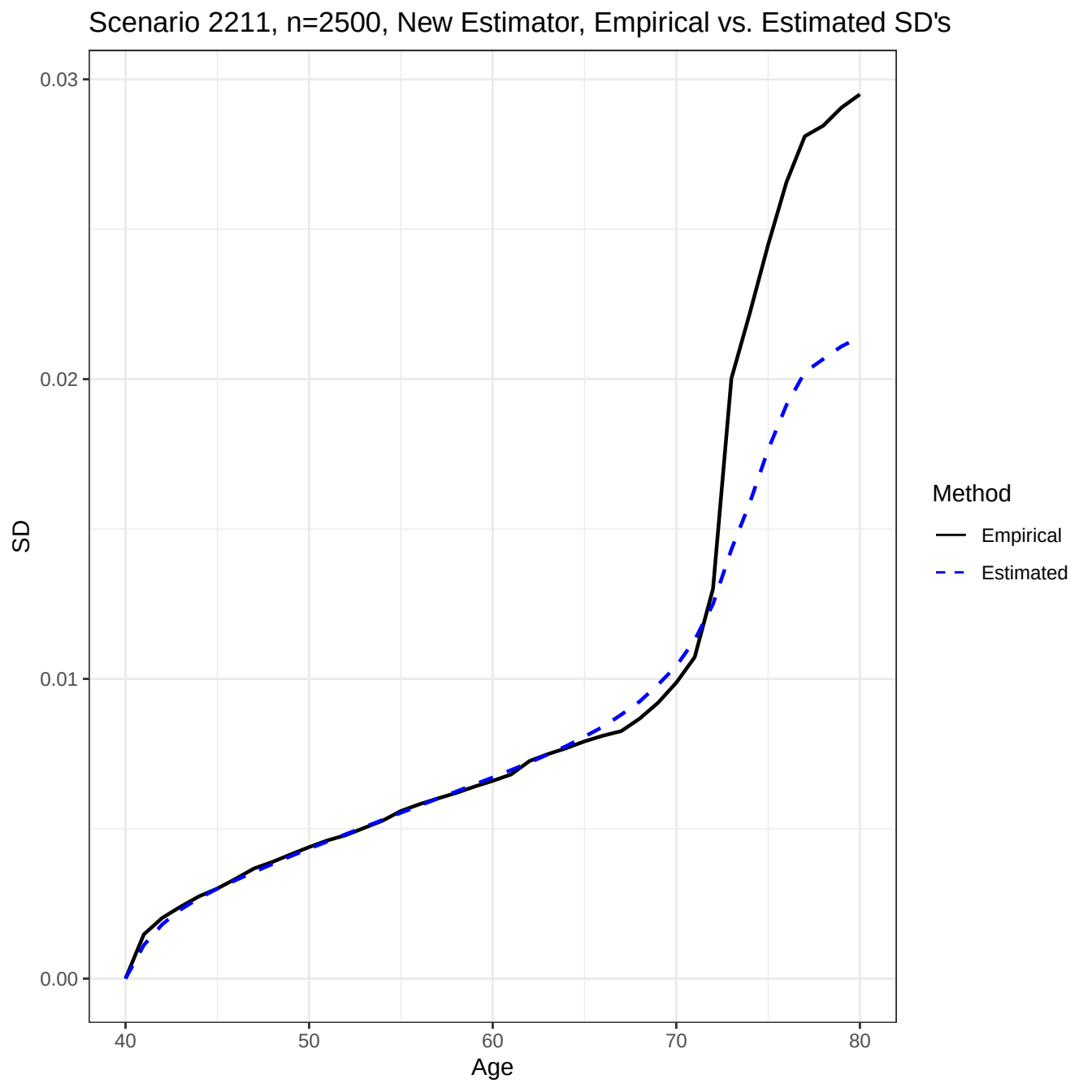

Scenario 2211, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

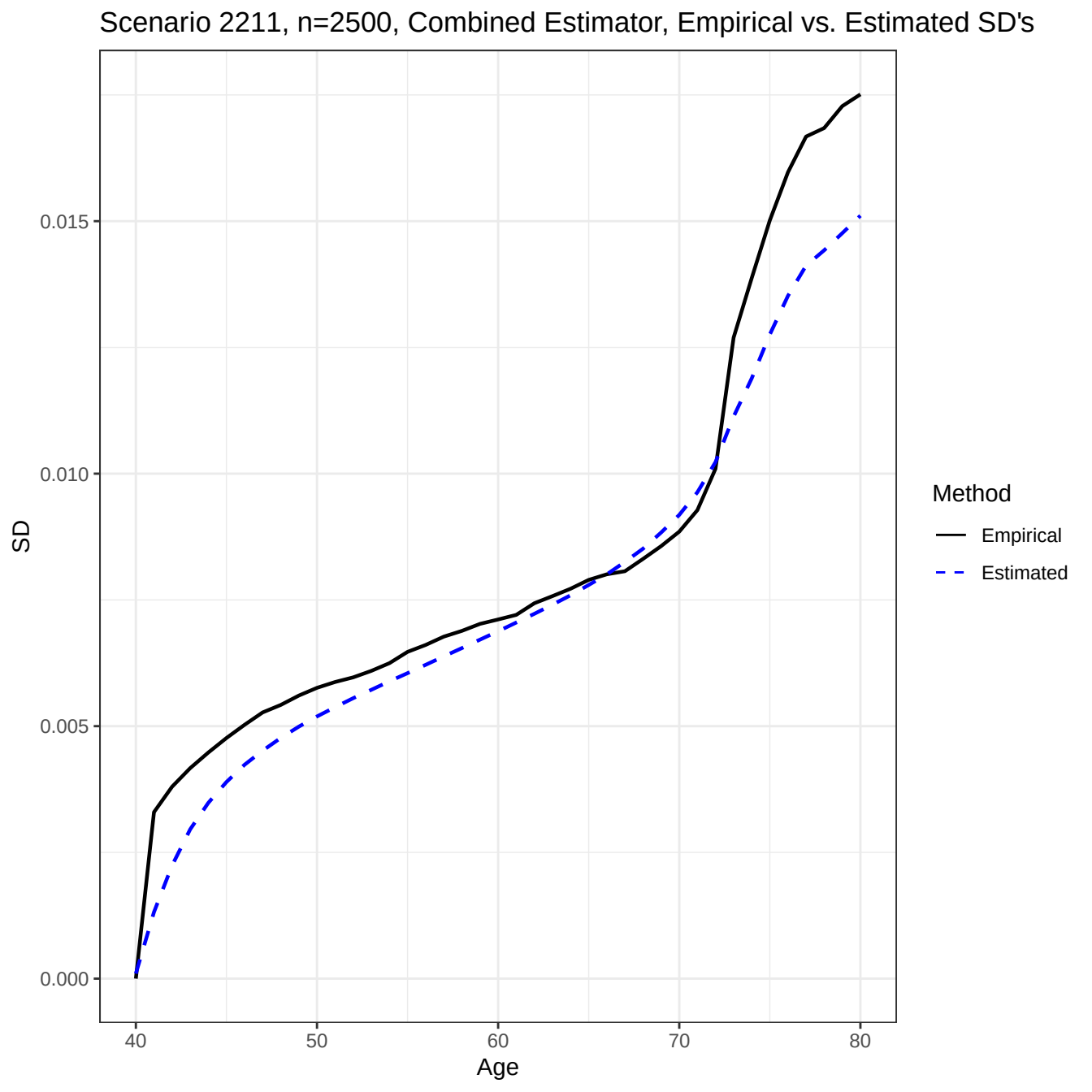

Scenario 2211, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

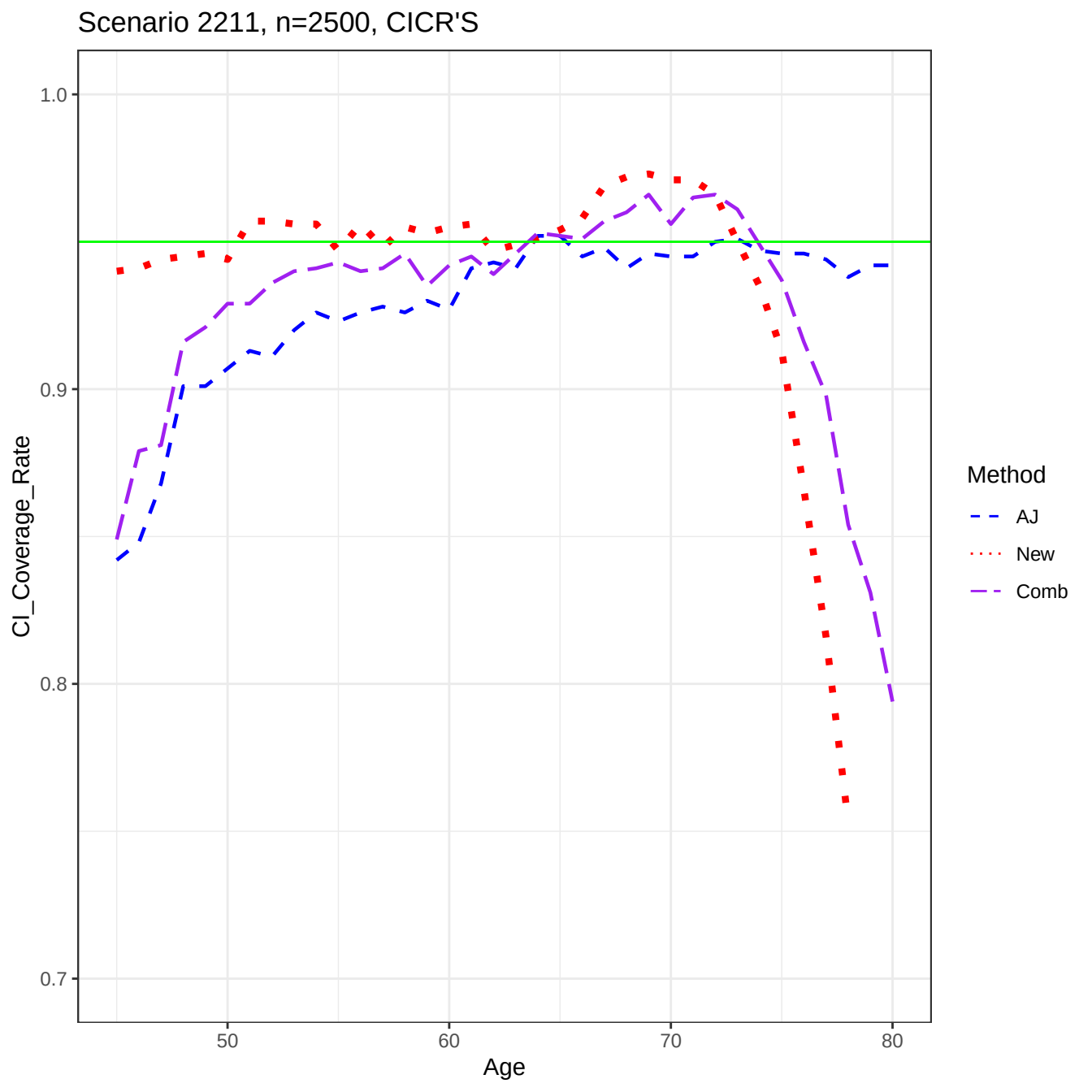

Scenario 2211, n=2500, SD'S
0.03
0.02
0.01
0.00
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

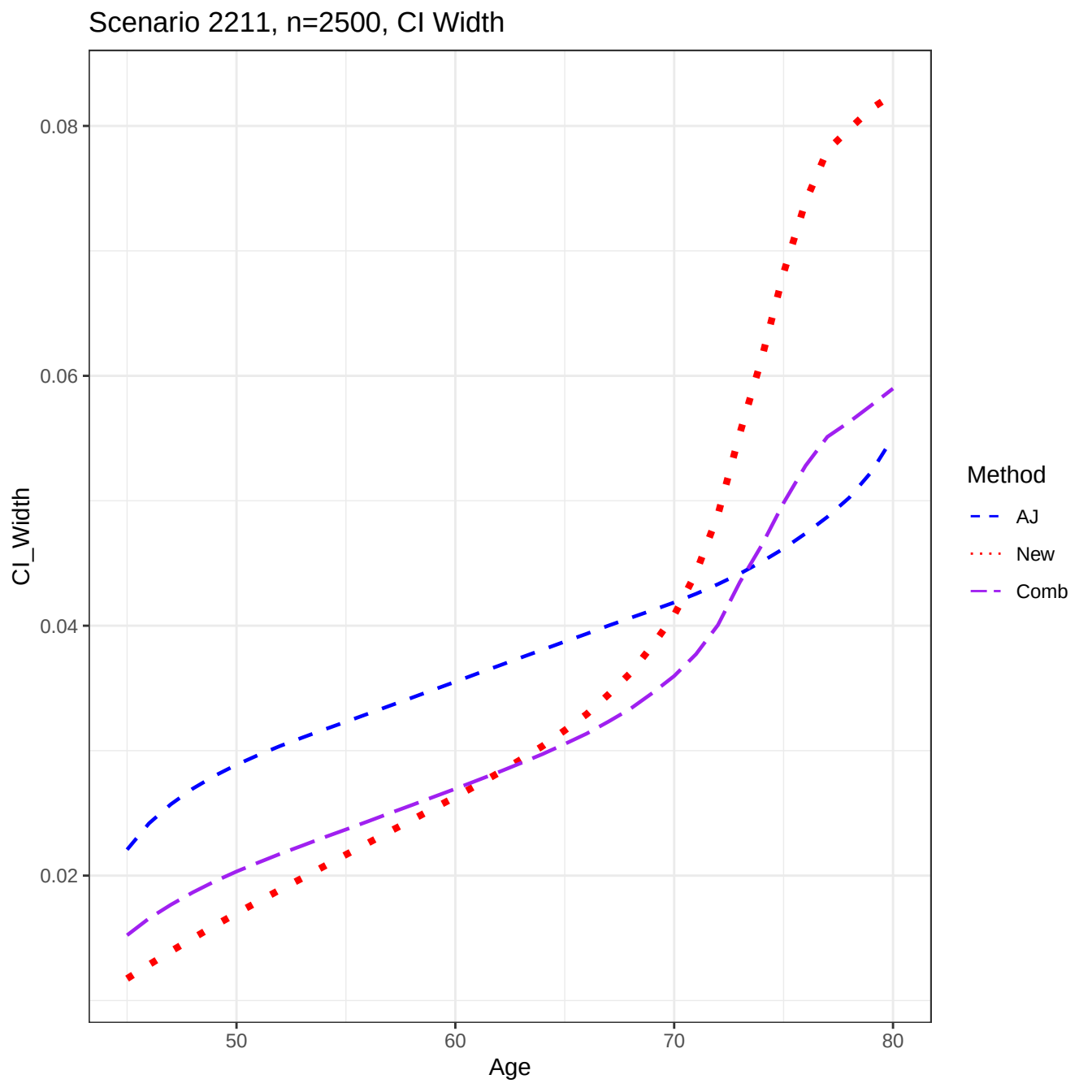

Scenario 2211, n=2500, IQR'S
IQR
0.02
0.01
0.00
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2211, n=2500, AJ Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2211, n=2500, New Estimator, Empirical vs. Estimated SD's
0.03
0.02
0.01
0.00
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2211, n=2500, Combined Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2211, n=2500, CICR'S
CI_Coverage_Rate
1.0
0.9
0.8
0.7
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2211, n=2500, CI Width
0.08
0.06
0.04
0.02
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

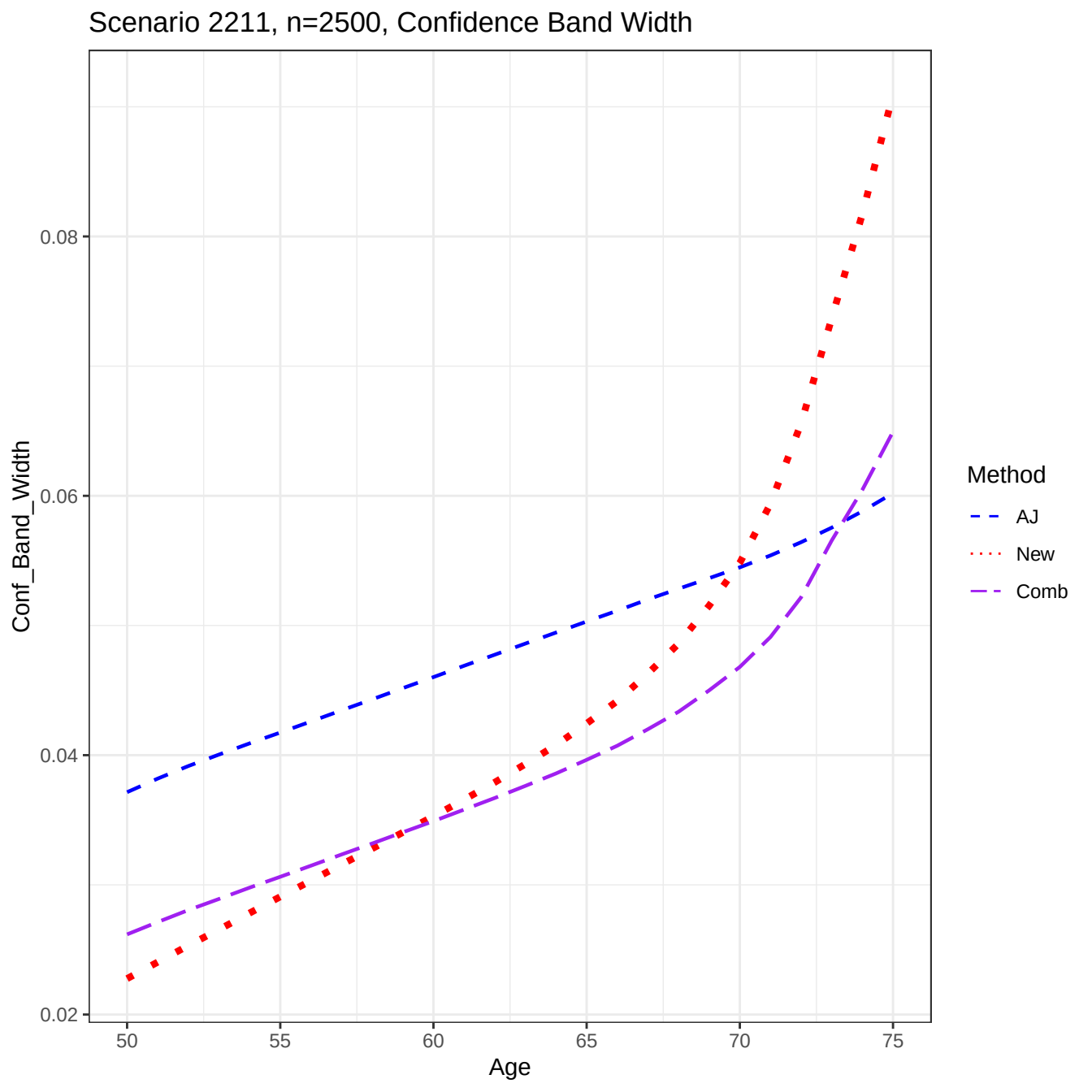
CONFIDENCE BAND COVERAGE RATES

Scenario: 2211

AJ: 0.931

new: 0.92

Combo: 0.924


Scenario 2211, n=2500, Confidence Band Width
Conf_Band_Width
0.02
0.04
0.06
0.08
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2212

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

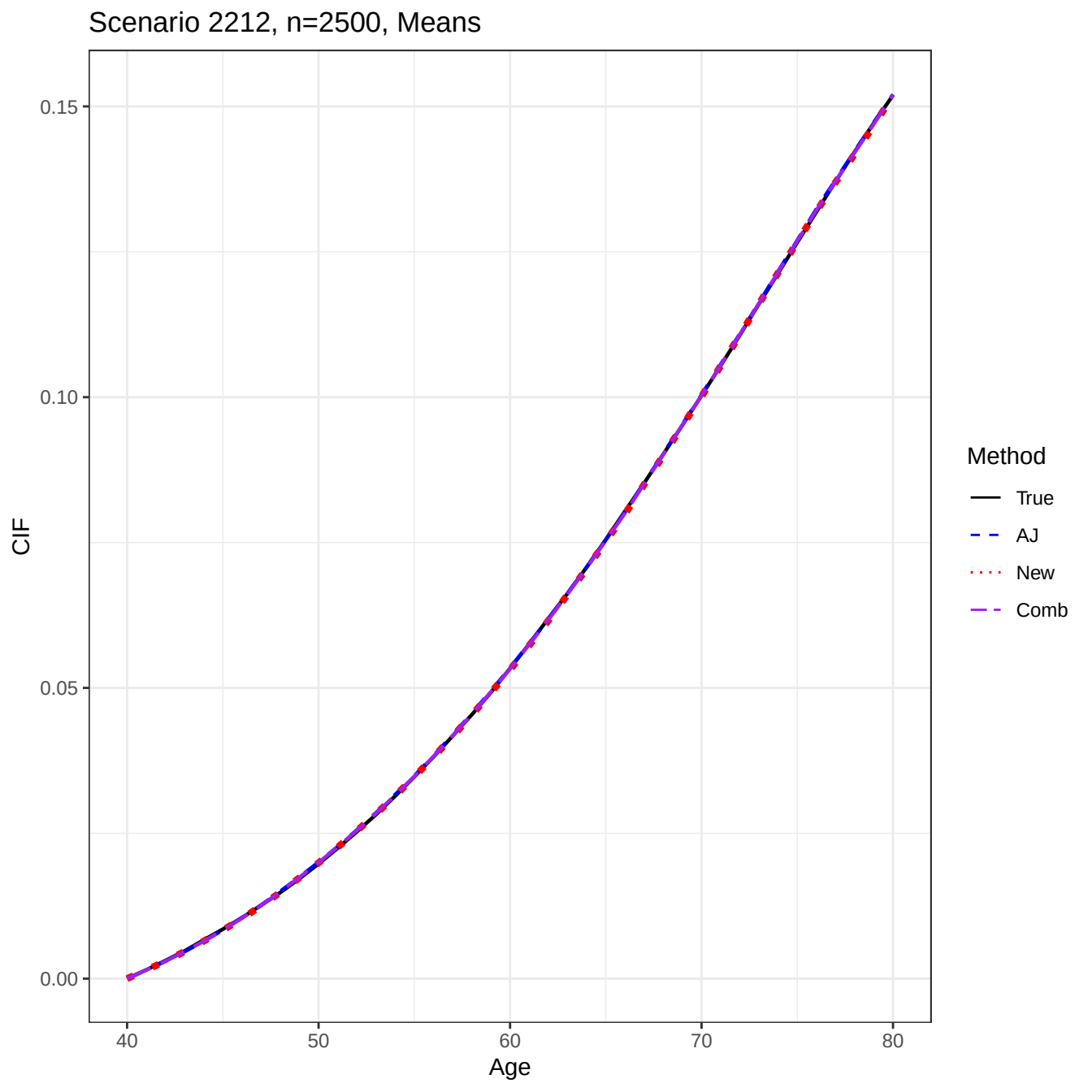
transformation: 0.5*pi − asin(sqrt(1−u))

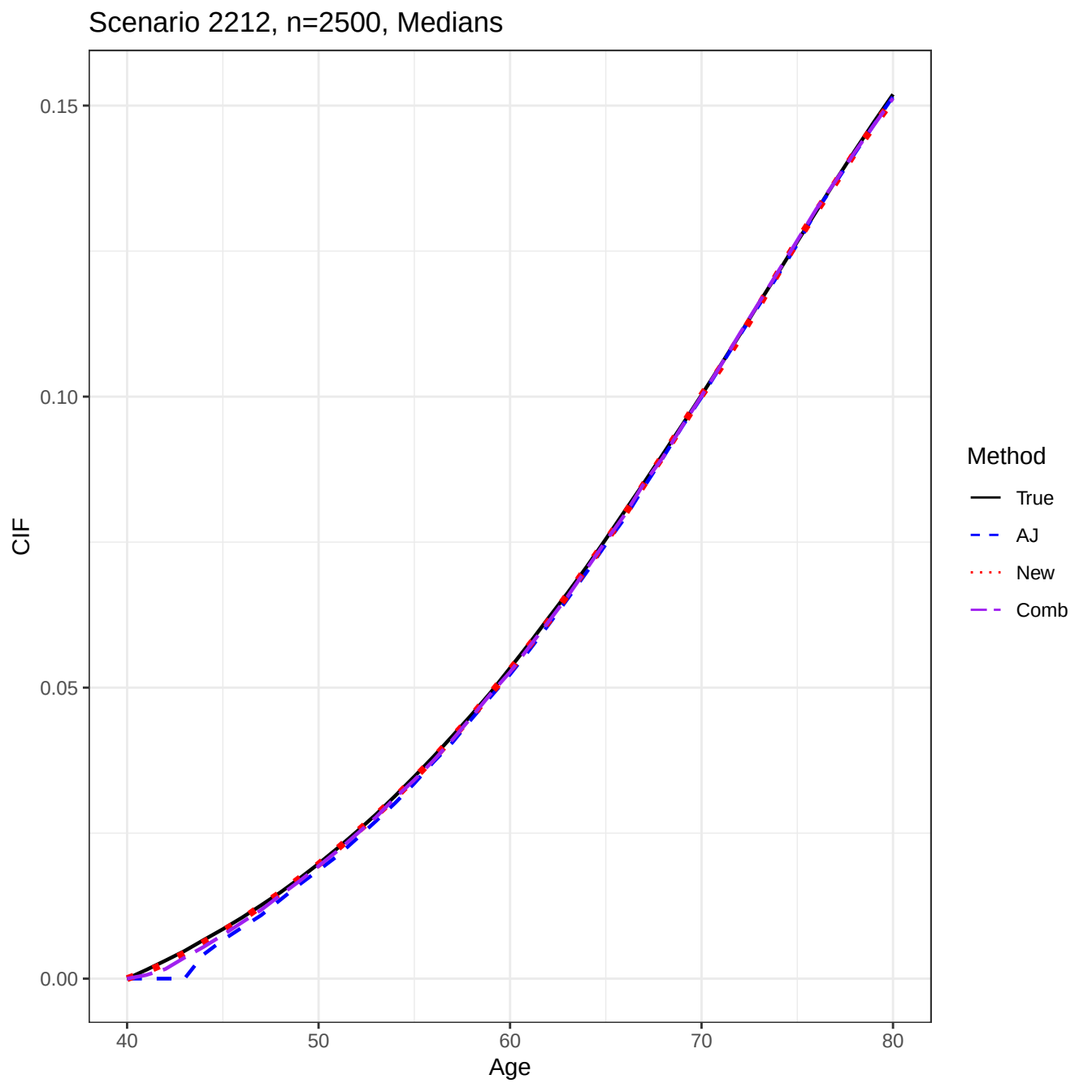
pointwise CI's done by: normal−theory

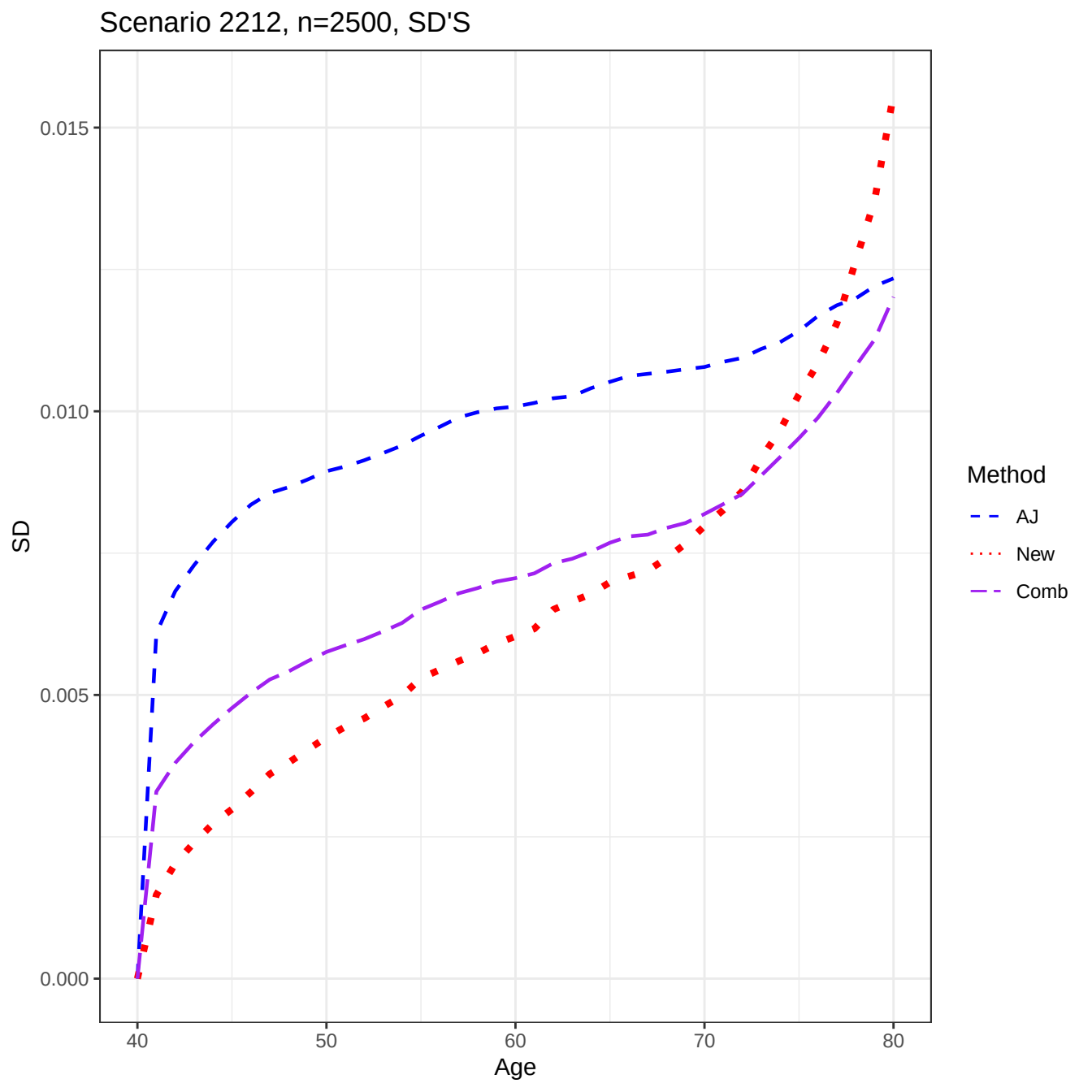
auxflg = FALSE

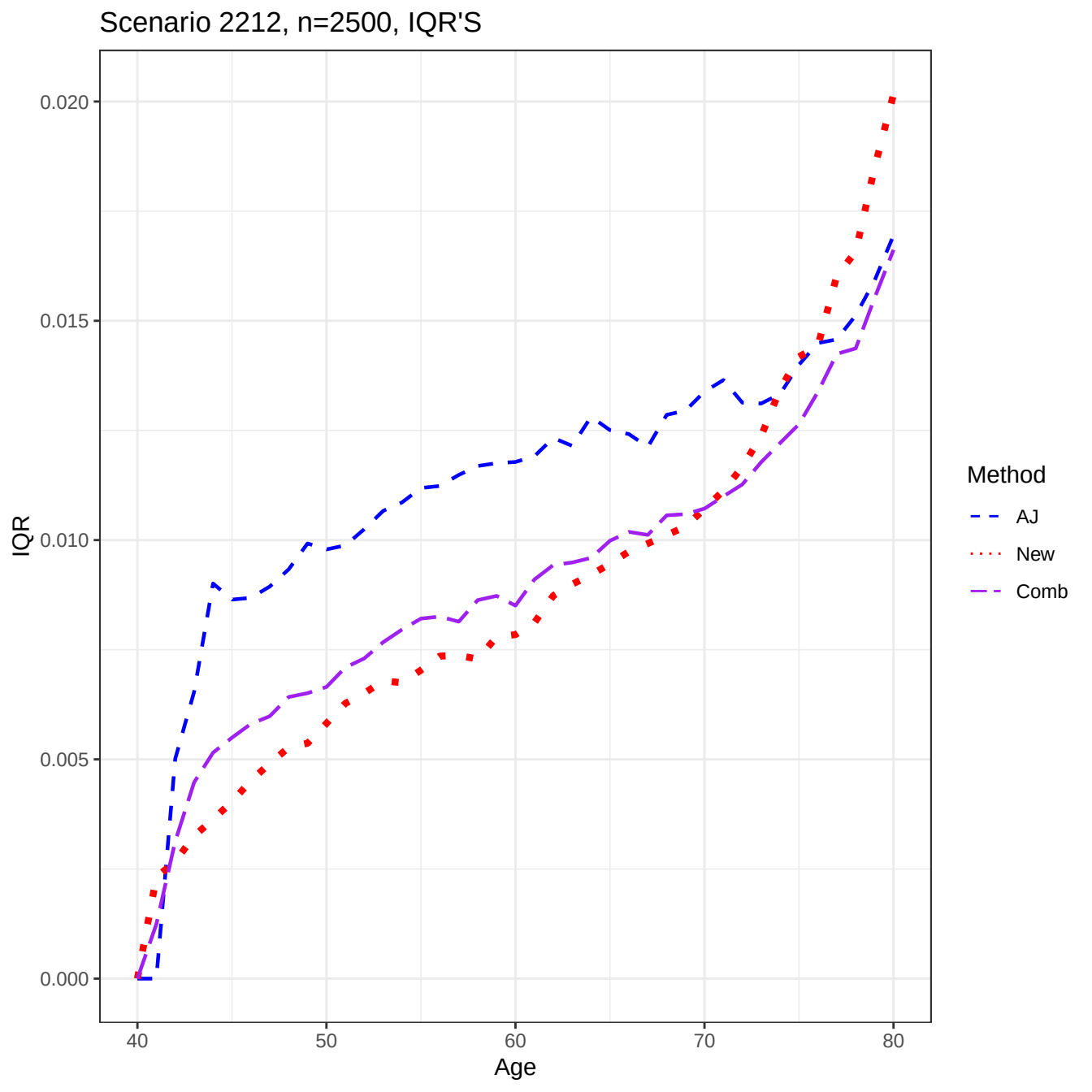
bootstrap weights: normal

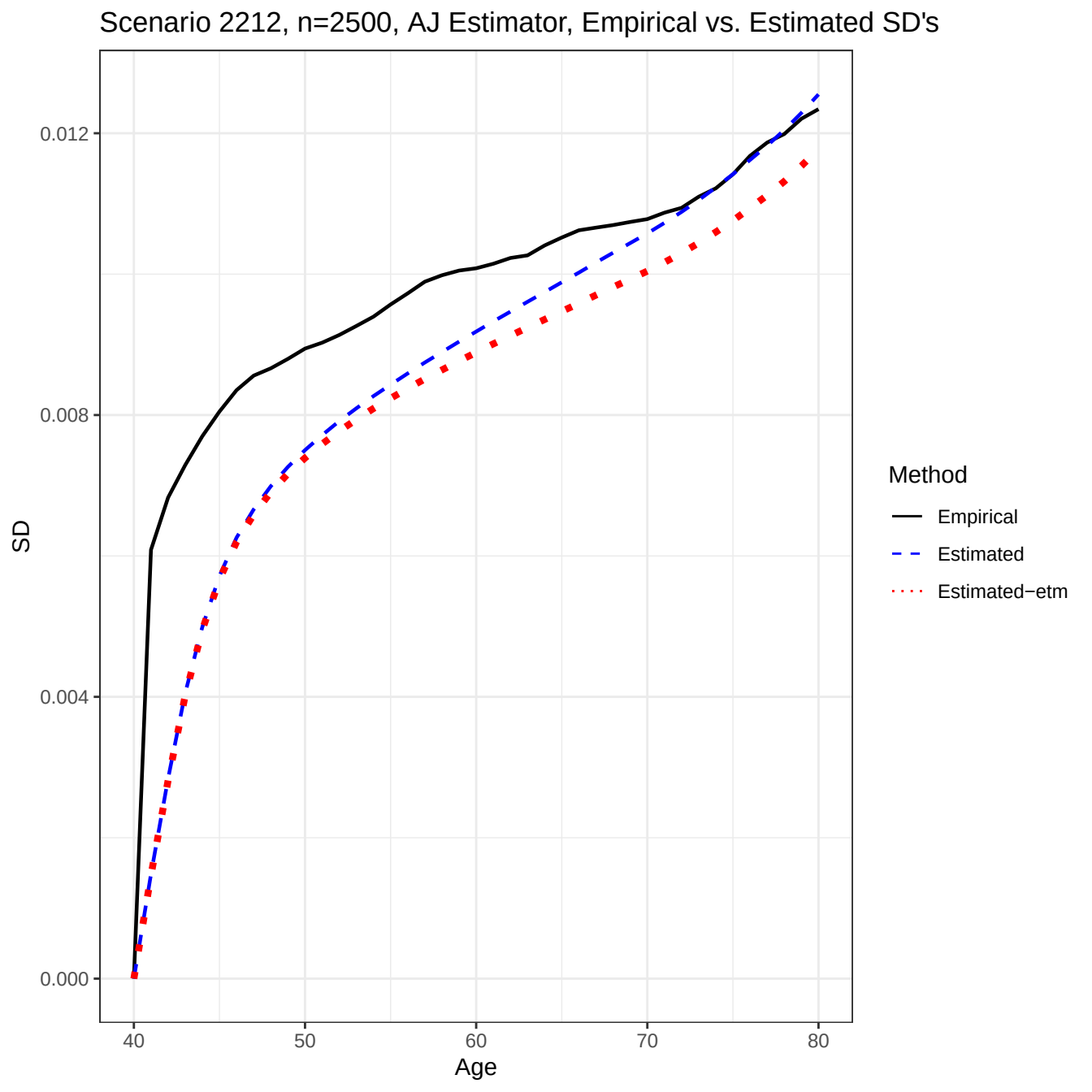
Date/Time: 2024−01−14 13:00:31.084647

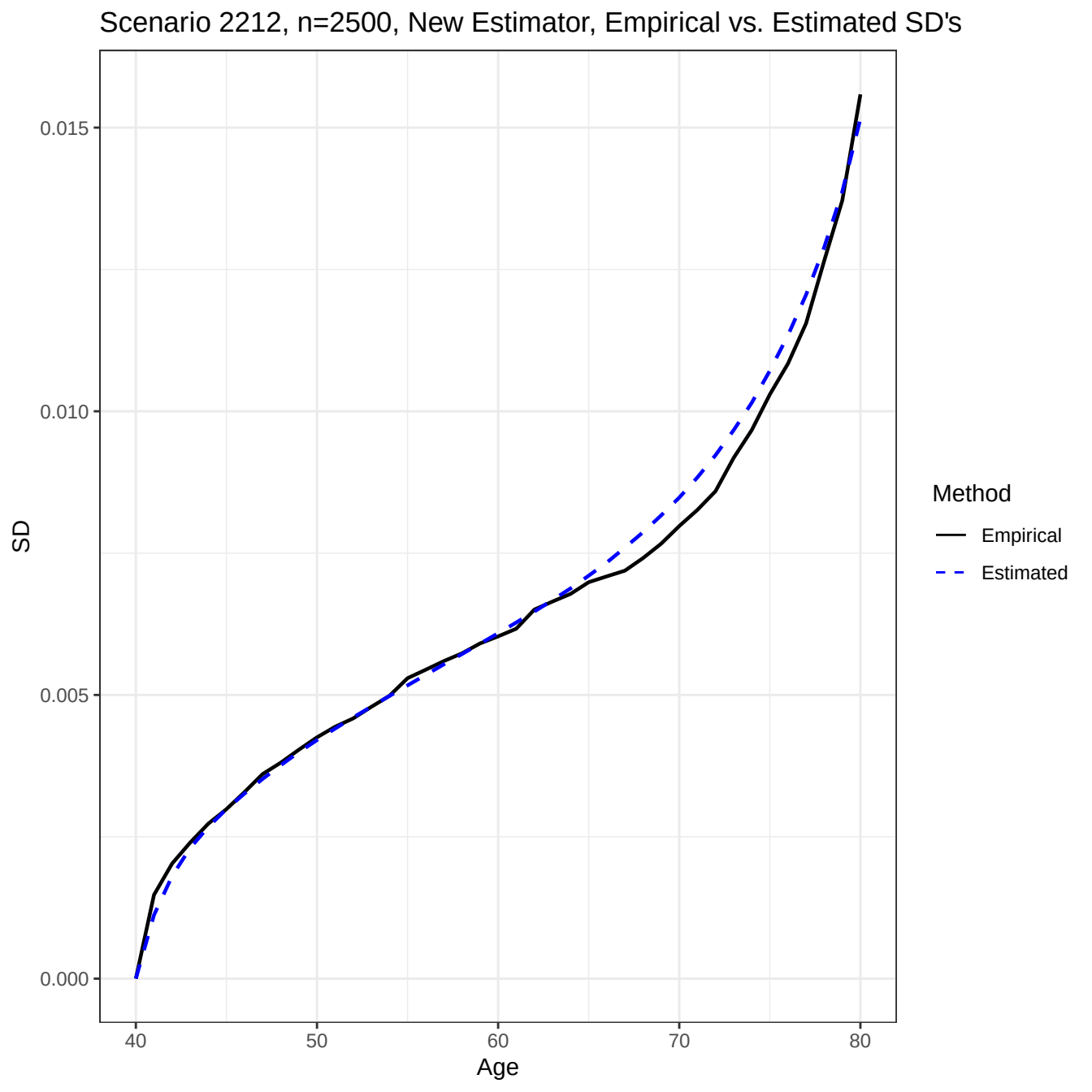

Scenario 2212, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

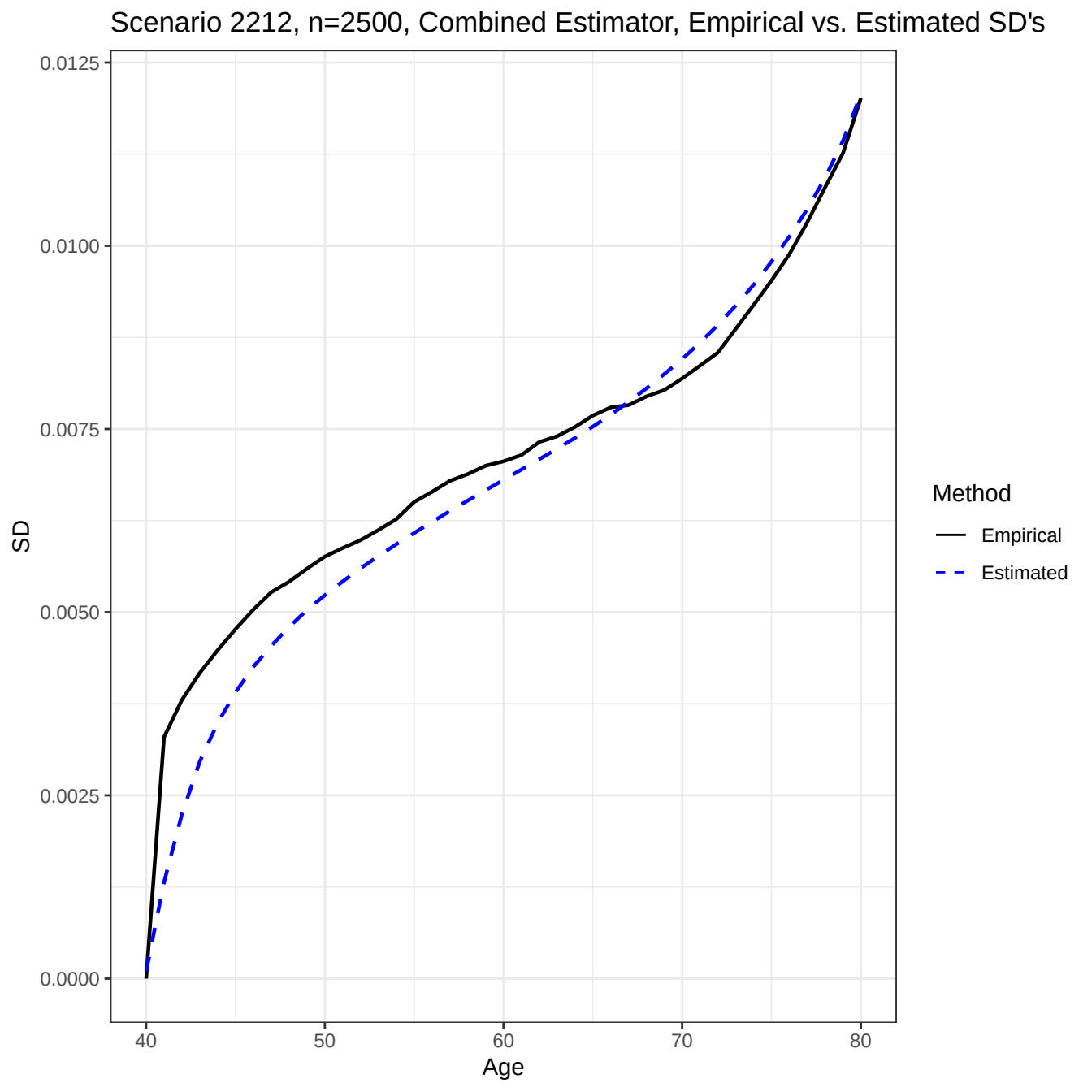

Scenario 2212, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

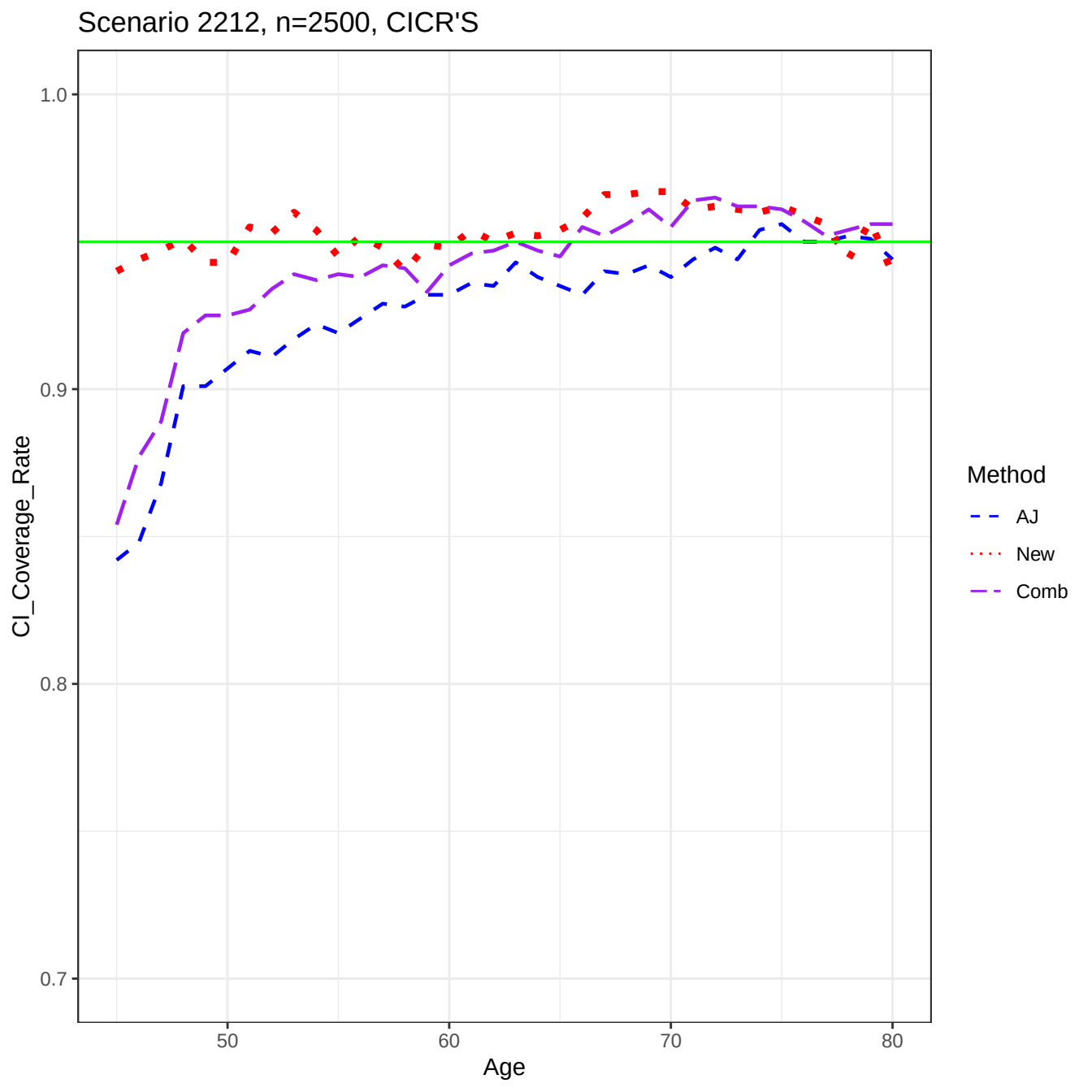

Scenario 2212, n=2500, SD'S
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
AJ
New
Comb

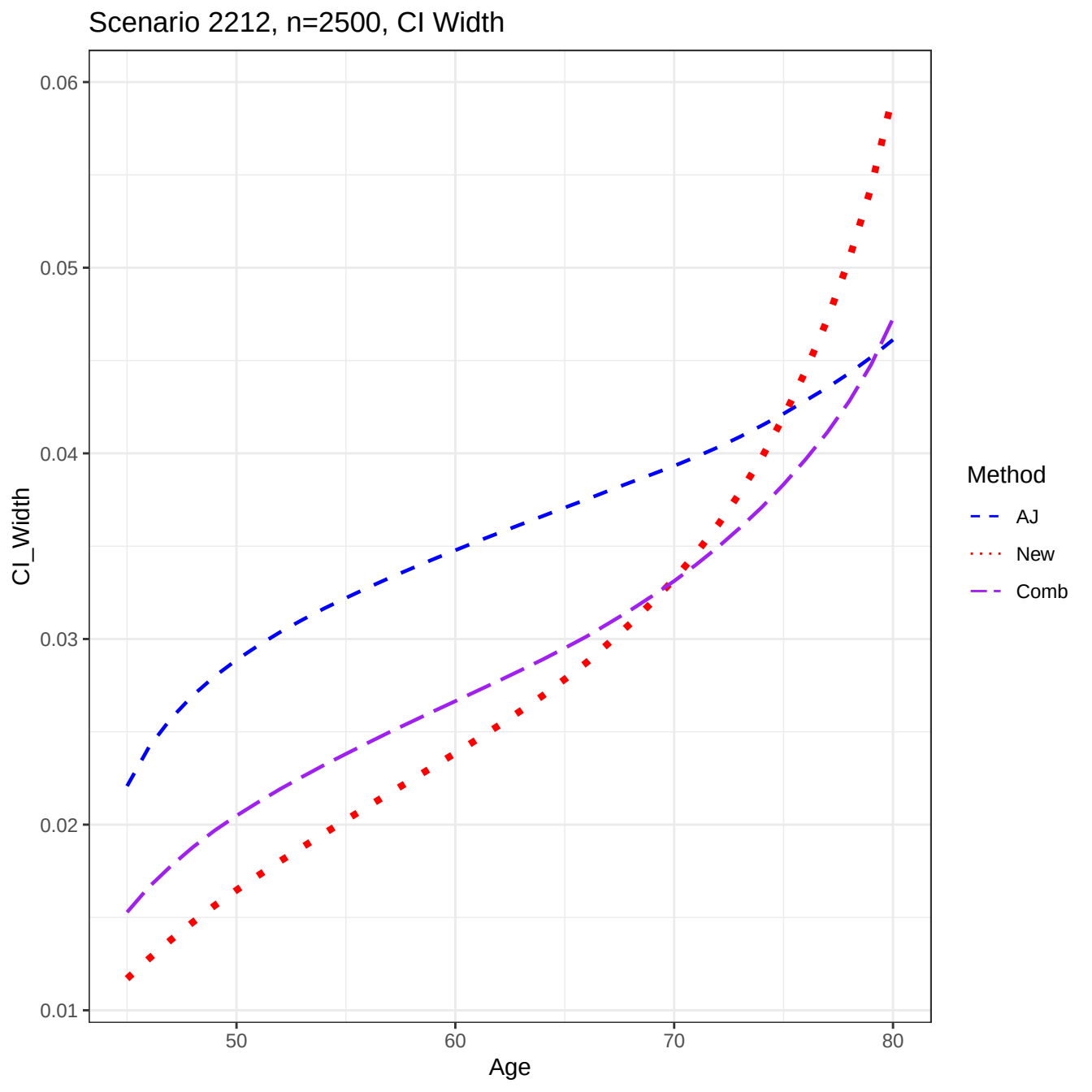

Scenario 2212, n=2500, IQR'S
IQR
0.020
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2212, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.012
0.008
0.004
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2212, n=2500, New Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2212, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2212, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2212, n=2500, CI Width
0.06
0.05
0.04
0.03
0.02
0.01
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

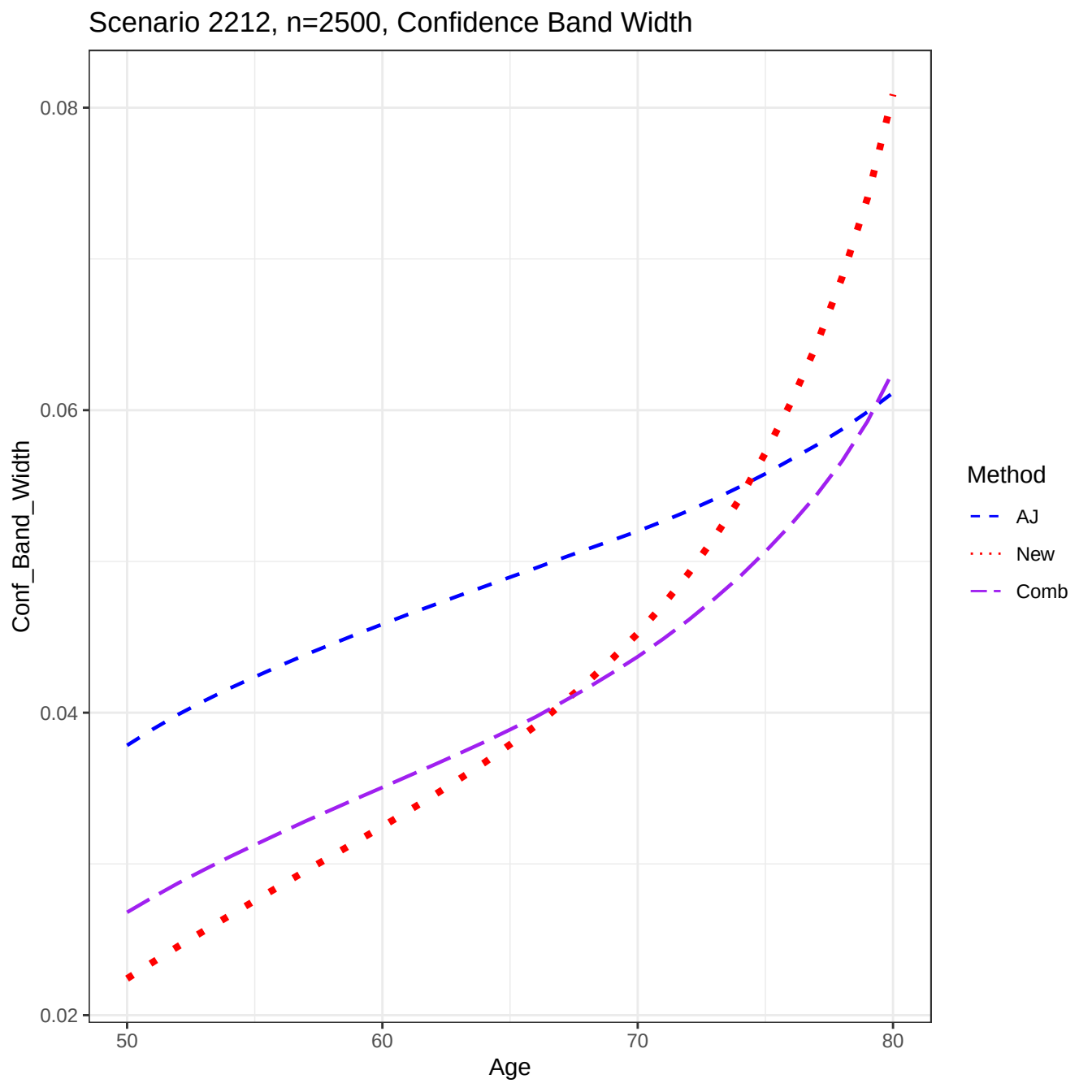
CONFIDENCE BAND COVERAGE RATES

Scenario: 2212

AJ: 0.929

new: 0.941

Combo: 0.931


Scenario 2212, n=2500, Confidence Band Width
Conf_Band_Width
0.08
0.06
0.04
0.02
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2221

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

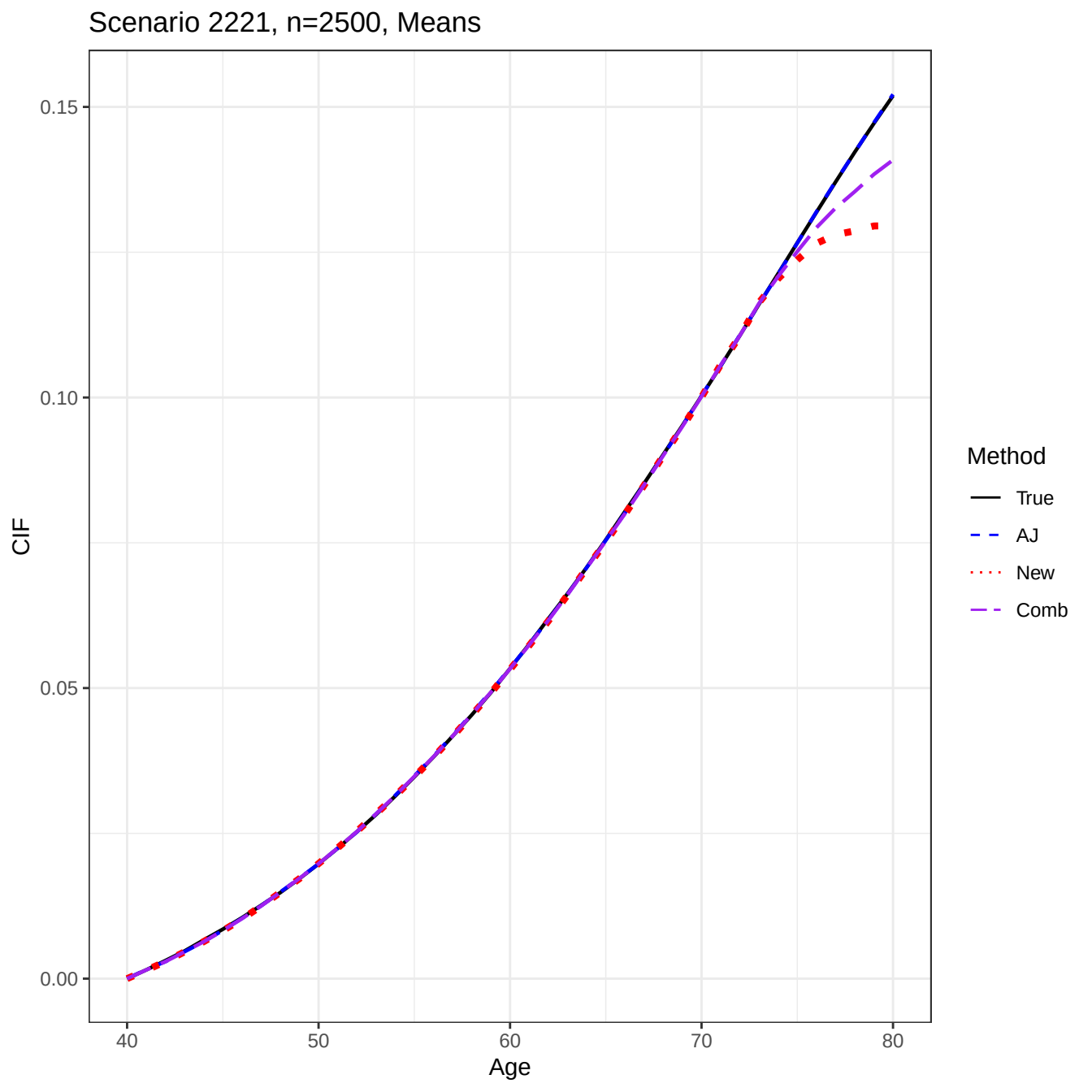
transformation: 0.5*pi − asin(sqrt(1−u))

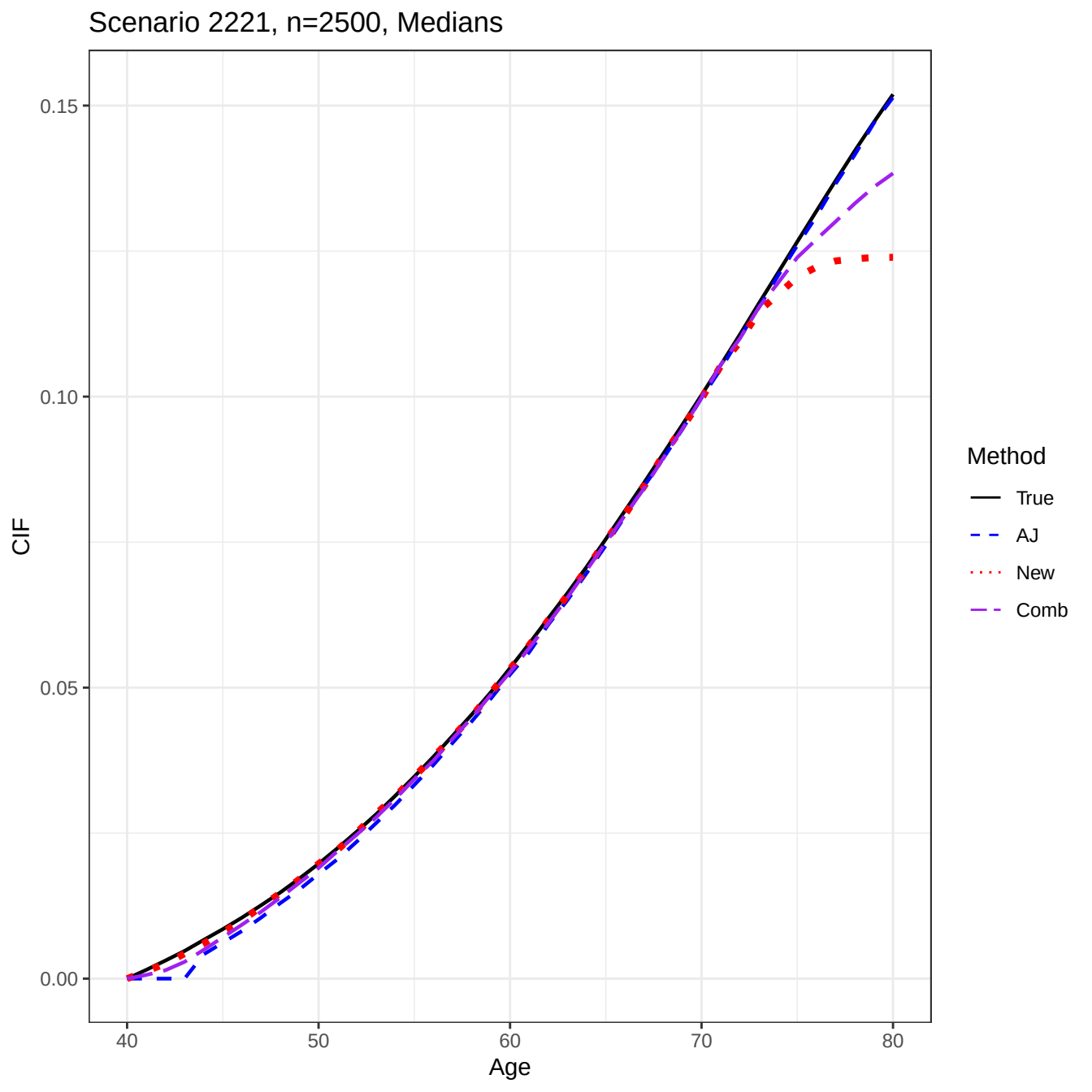
pointwise CI's done by: normal−theory

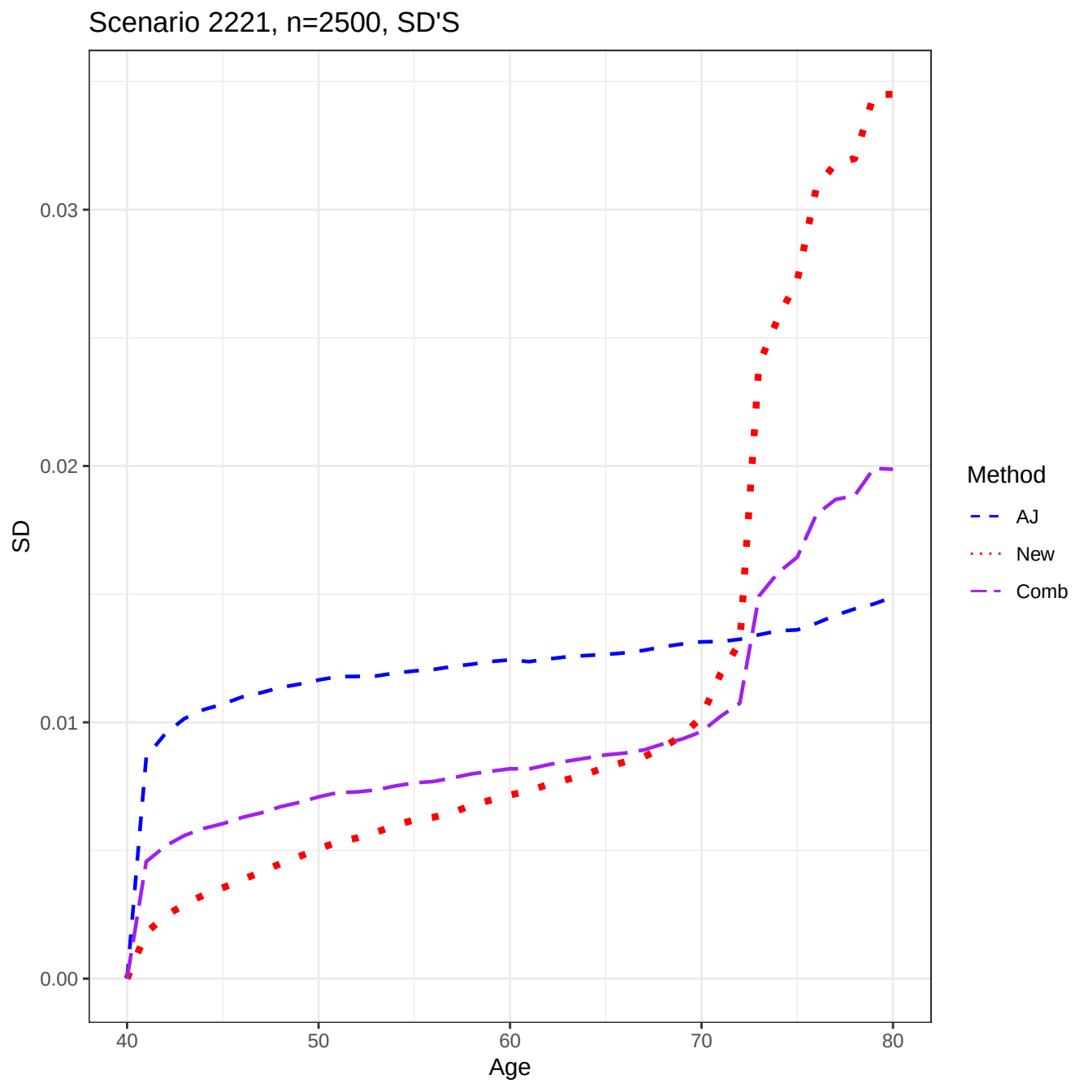
auxflg = FALSE

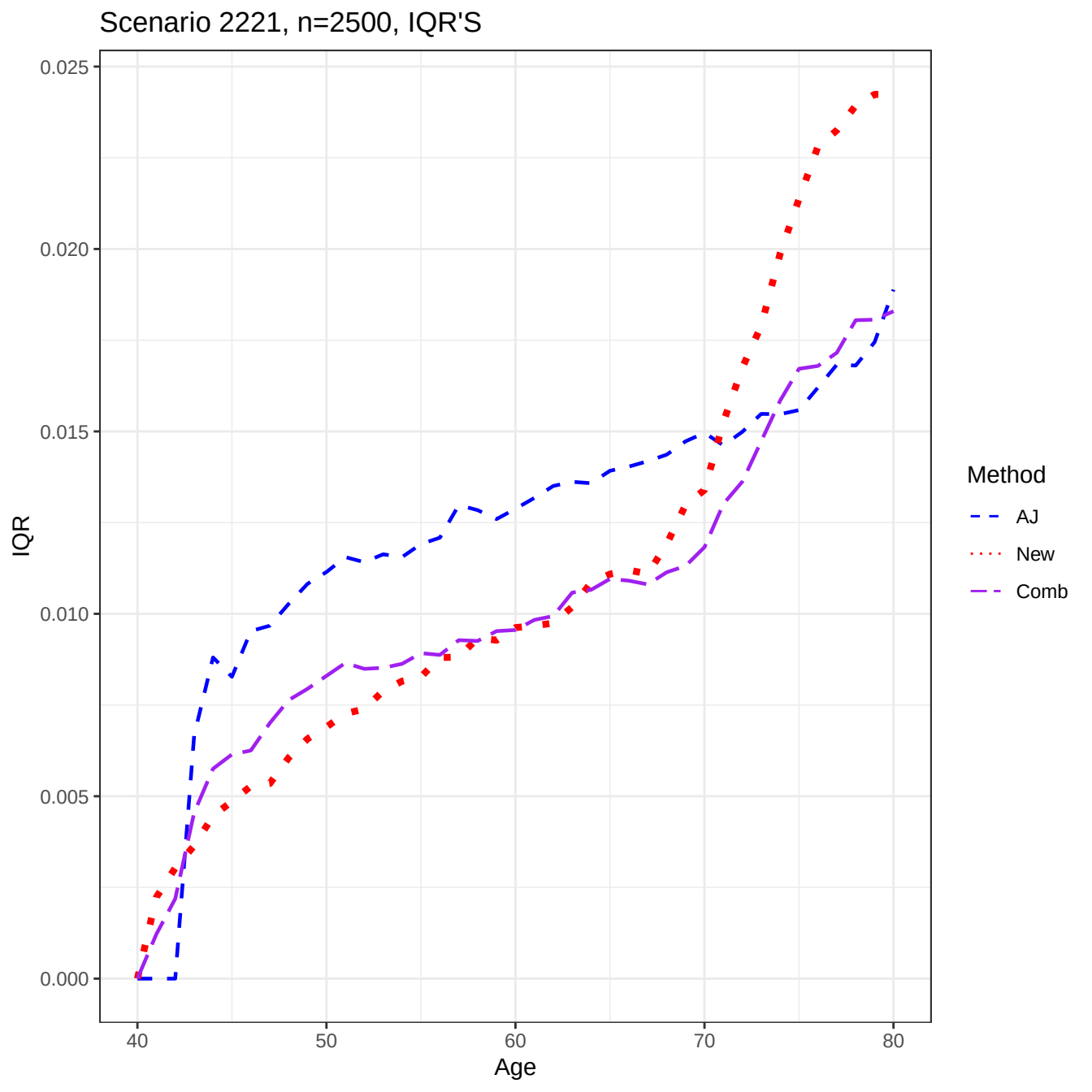
bootstrap weights: normal

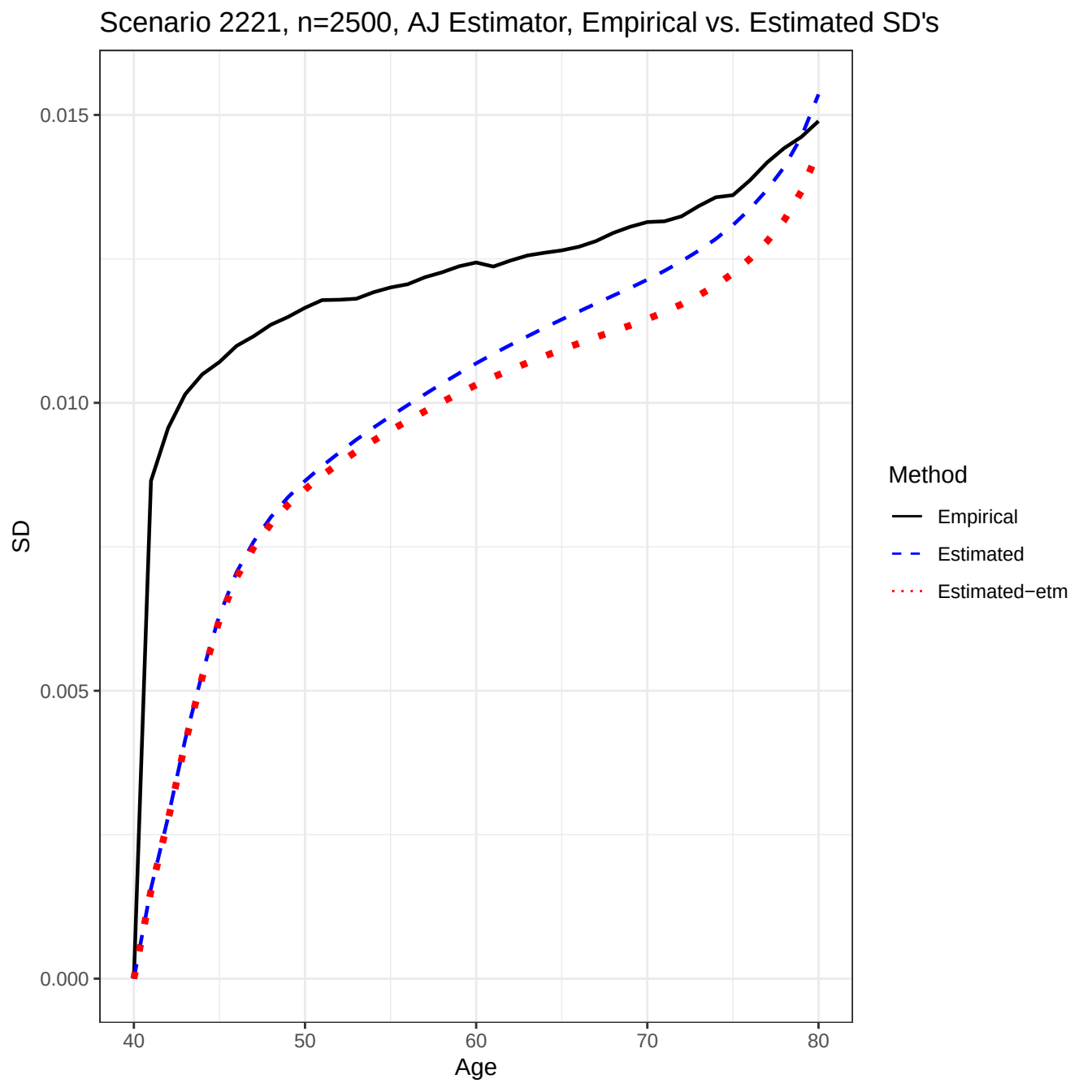
Date/Time: 2024−01−14 13:44:51.377077

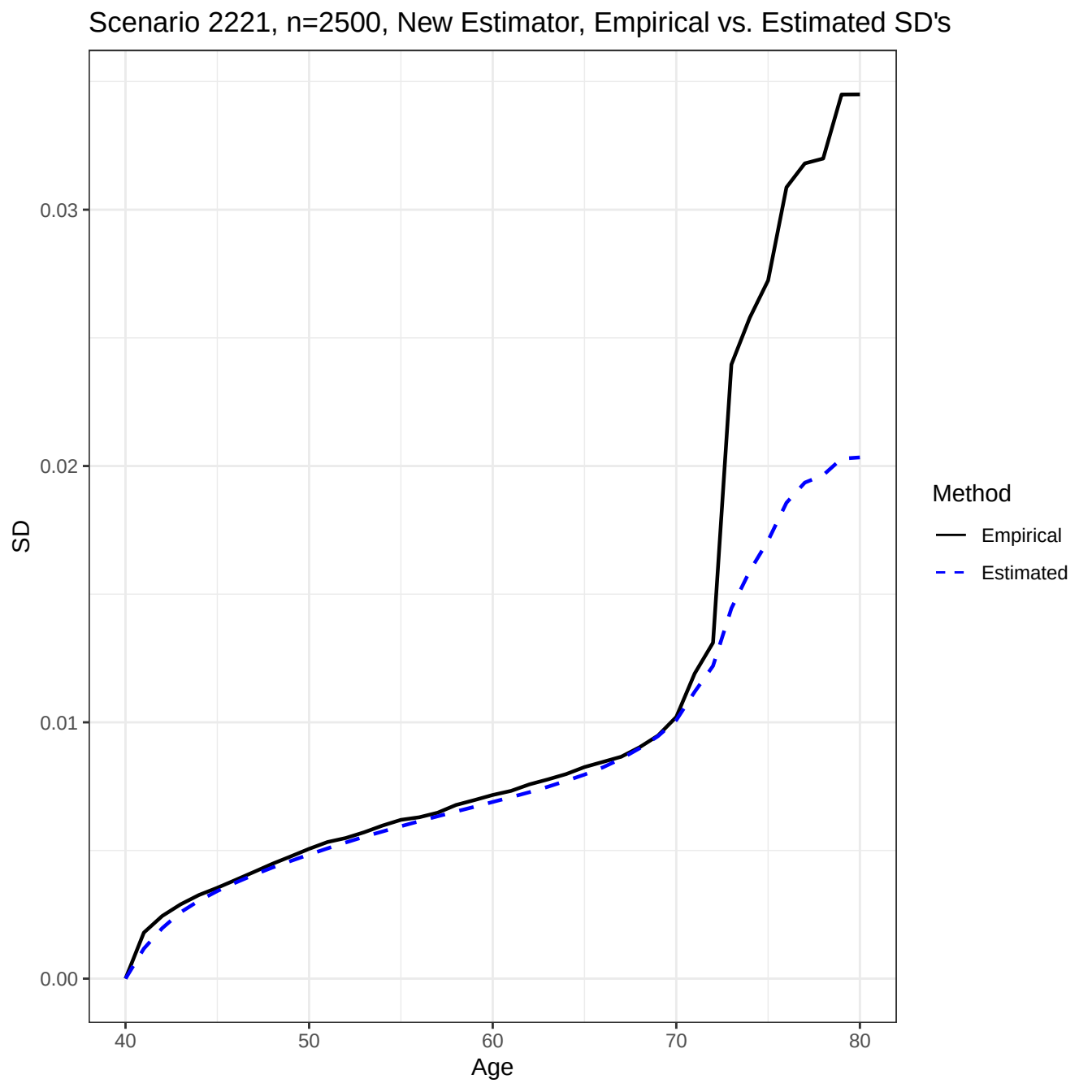

Scenario 2221, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

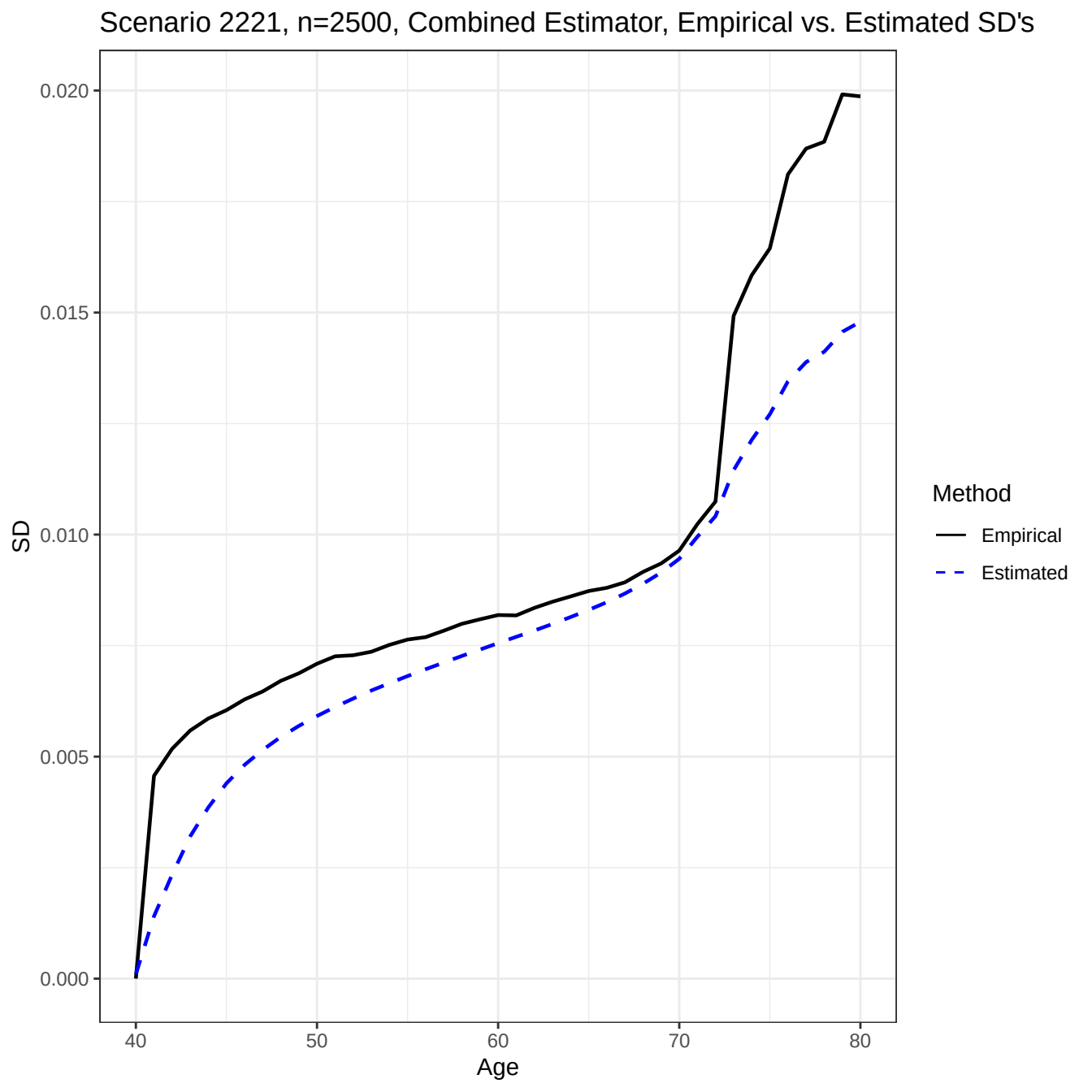

Scenario 2221, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

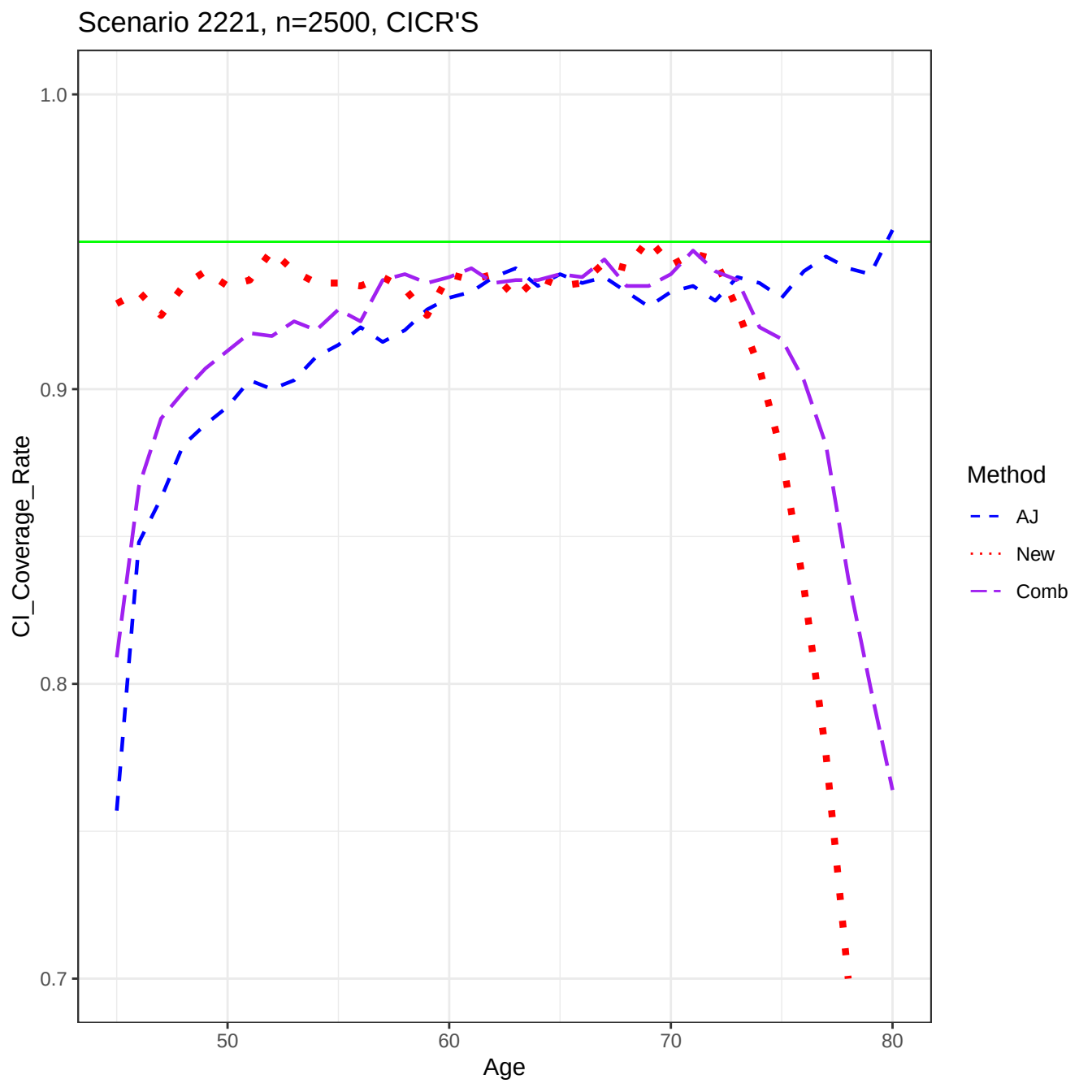

Scenario 2221, n=2500, SD'S
SD
0.00
0.01
0.02
0.03
40
50
60
70
80
Age
Method
AJ
New
Comb

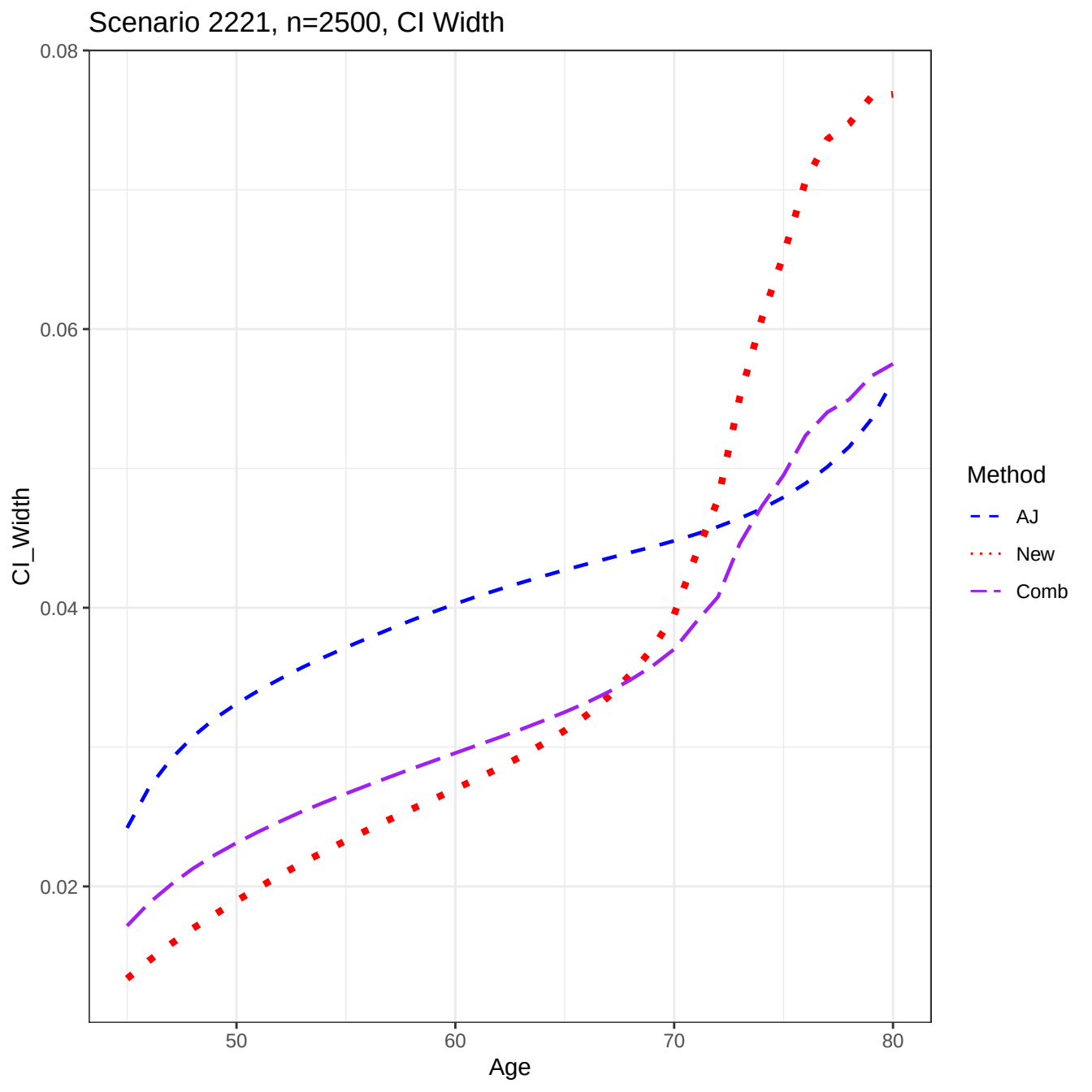

Scenario 2221, n=2500, IQR'S
IQR
0.025
0.020
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2221, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2221, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.00
0.01
0.02
0.03
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2221, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.020
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2221, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2221, n=2500, CI Width
0.08
0.06
0.04
0.02
CI_Width
50
60
70
80
Age
Method
AJ
New
Comb

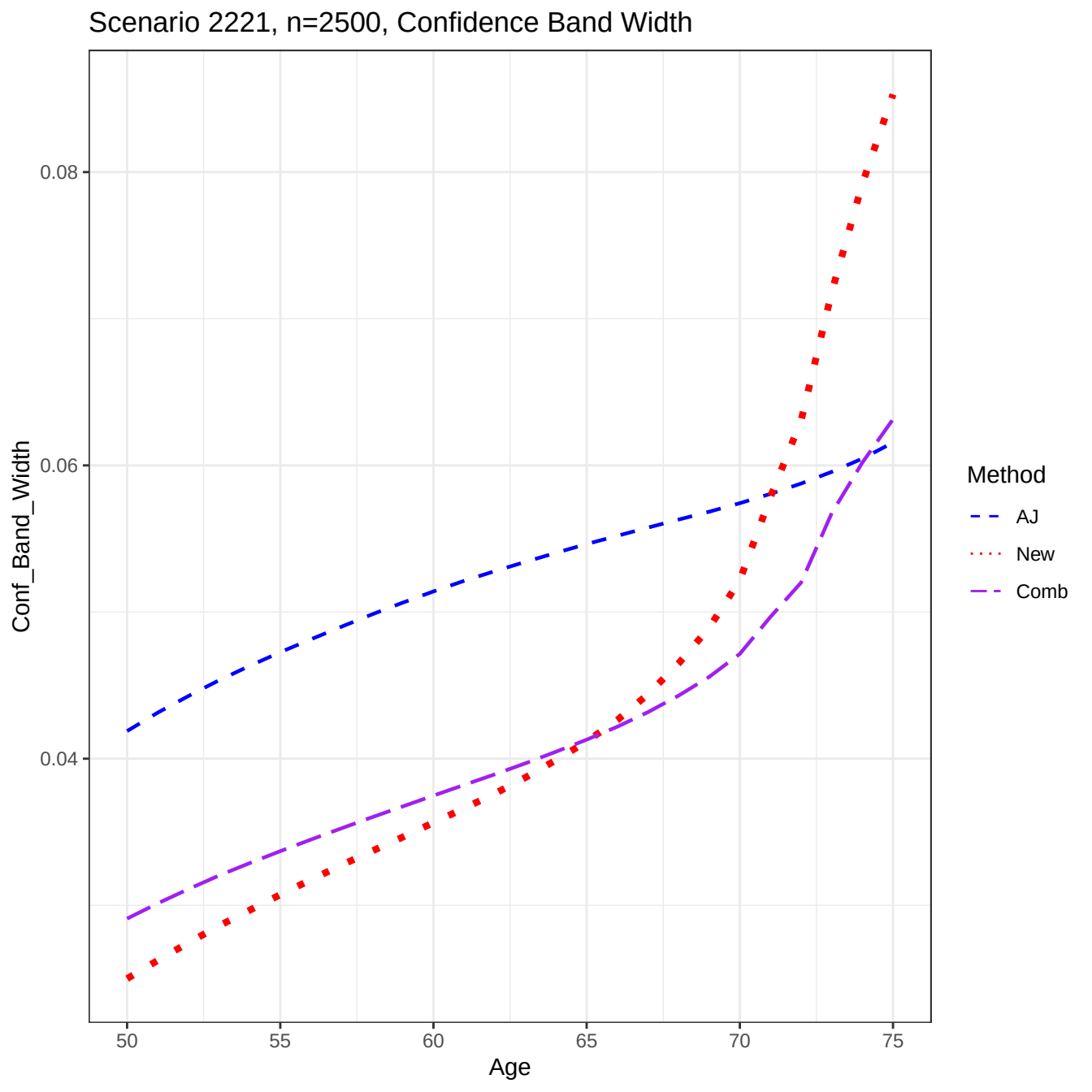
CONFIDENCE BAND COVERAGE RATES

Scenario: 2221

AJ: 0.909

new: 0.898

Combo: 0.906


Scenario 2221, n=2500, Confidence Band Width
Conf_Band_Width
0.08
0.06
0.04
50
55
60
65
70
75
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 2222

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

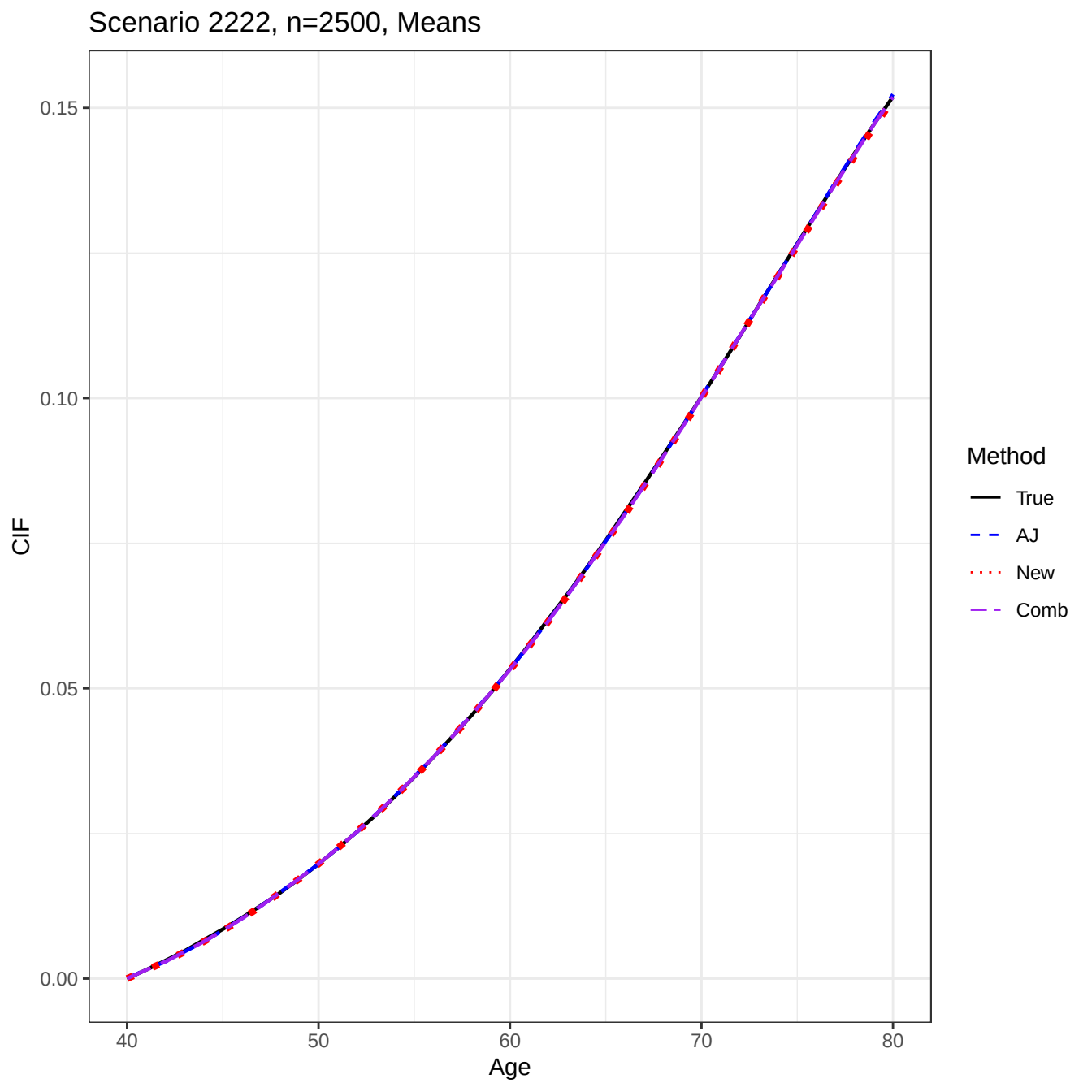
transformation: 0.5*pi − asin(sqrt(1−u))

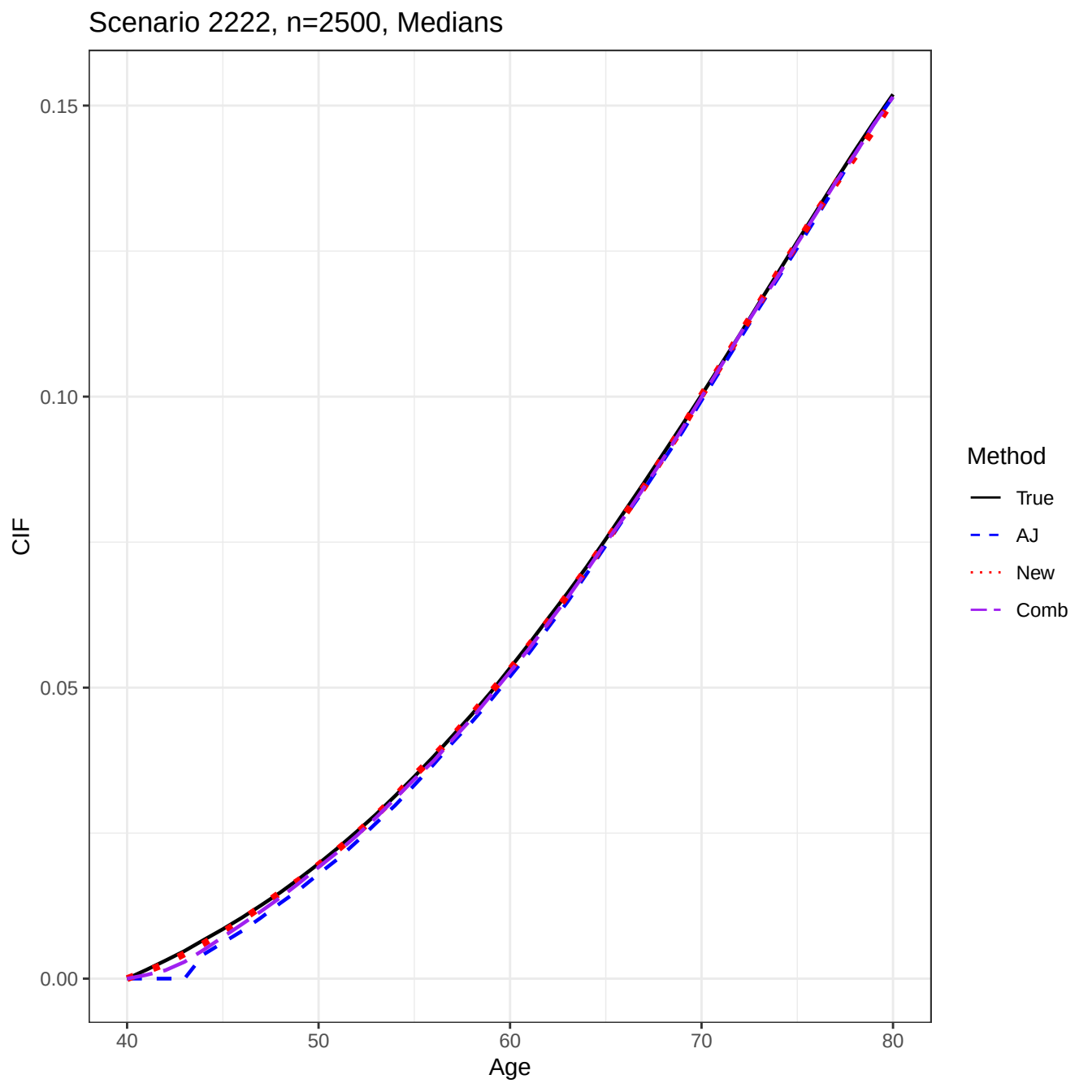
pointwise CI's done by: normal−theory

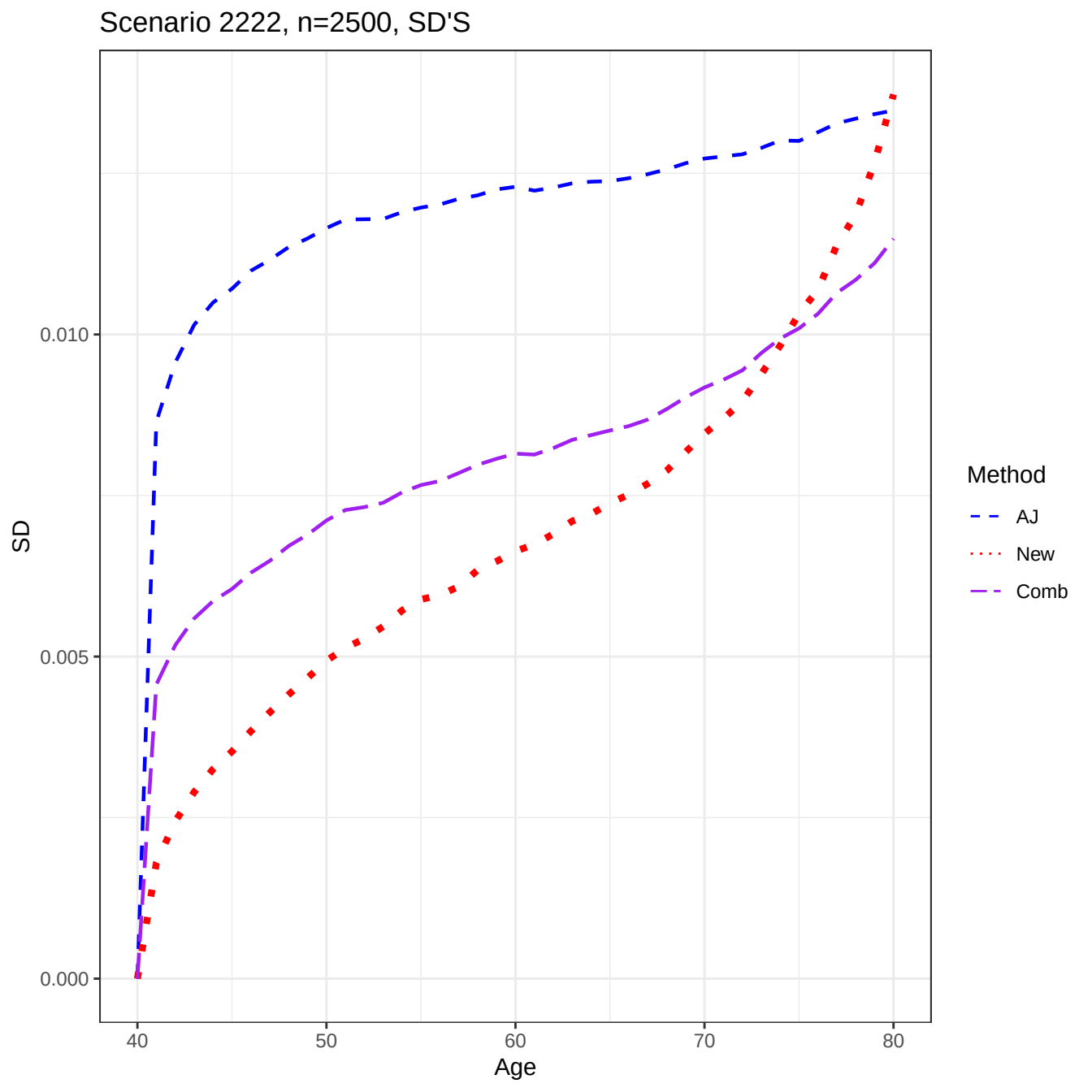
auxflg = FALSE

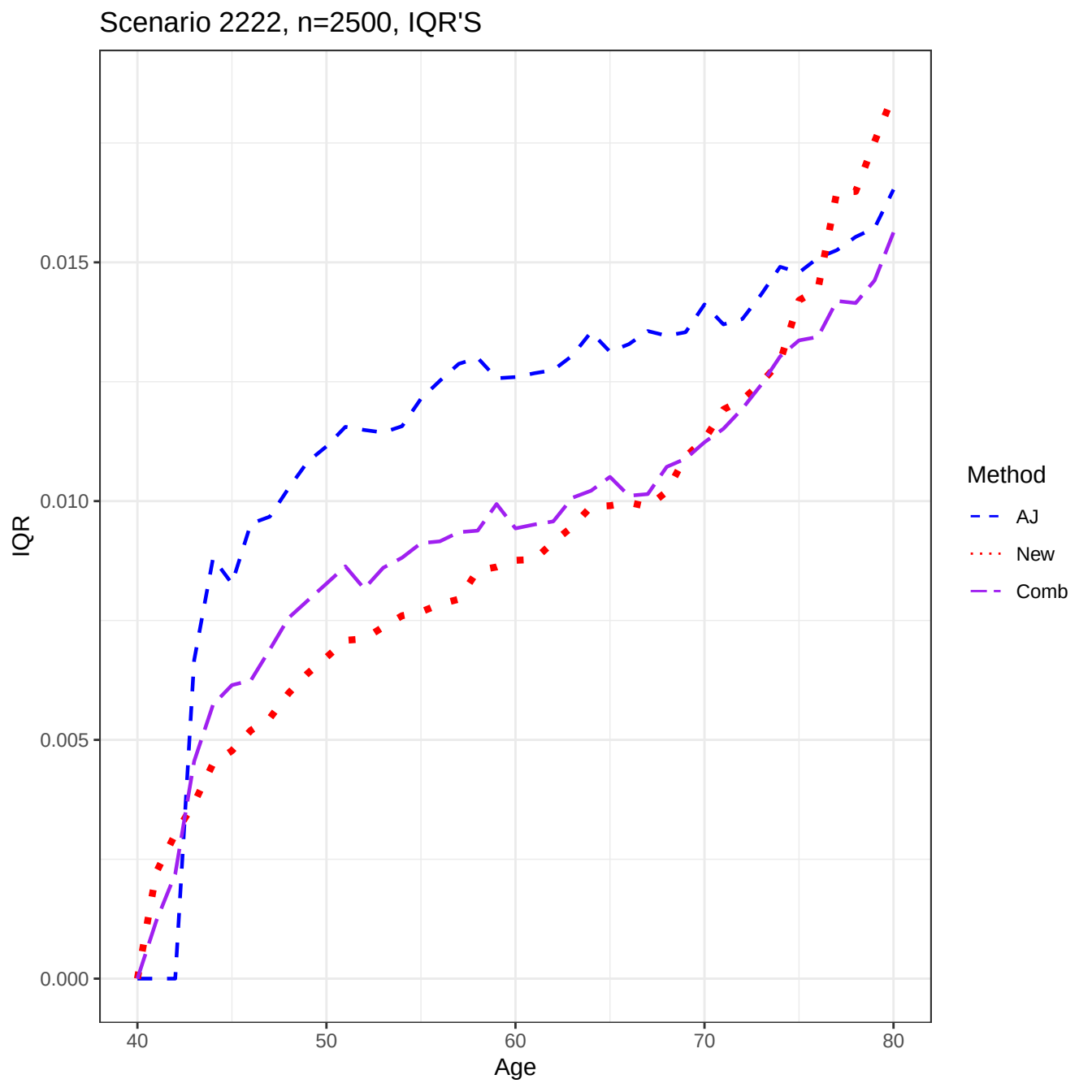
bootstrap weights: normal

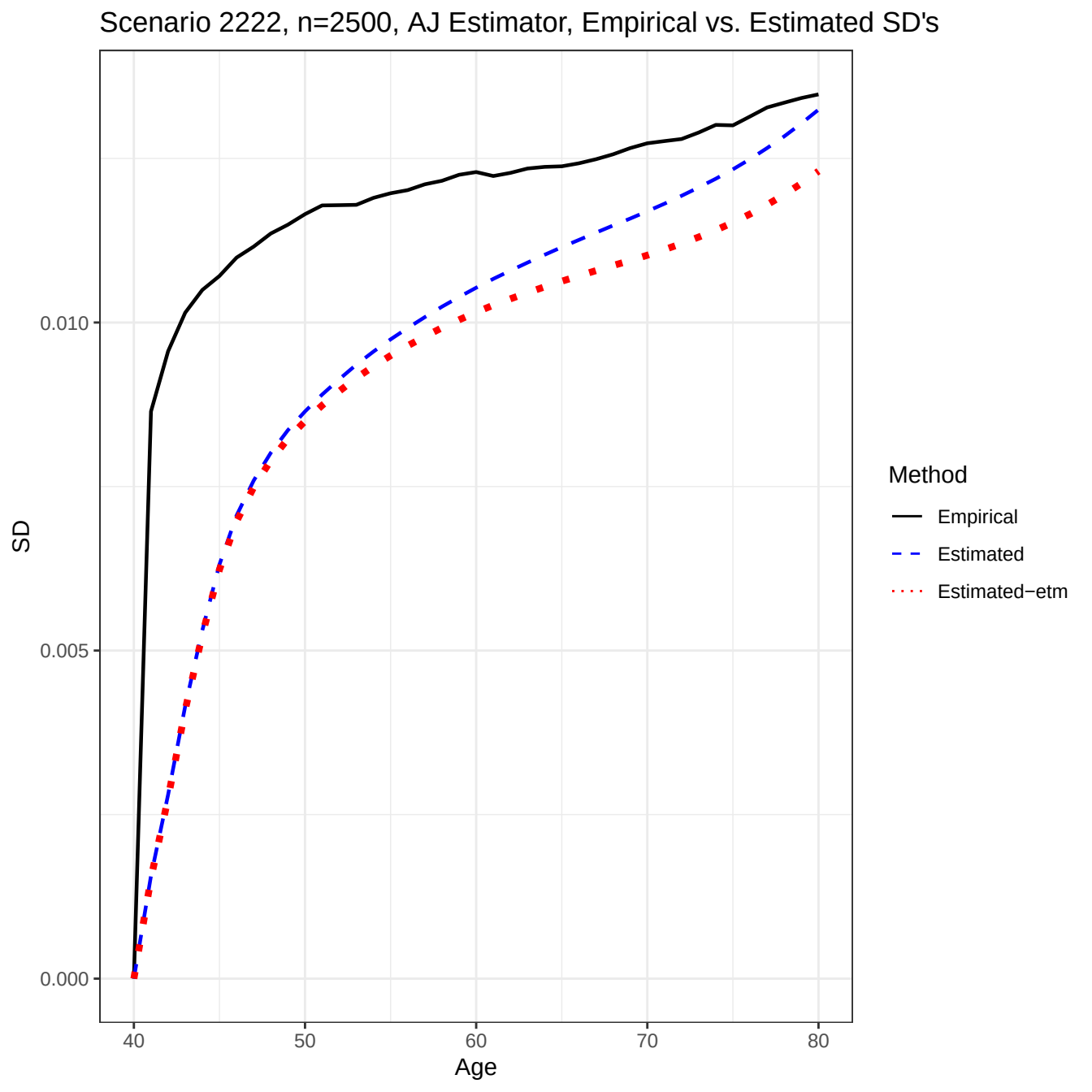
Date/Time: 2024−01−14 14:17:54.552159

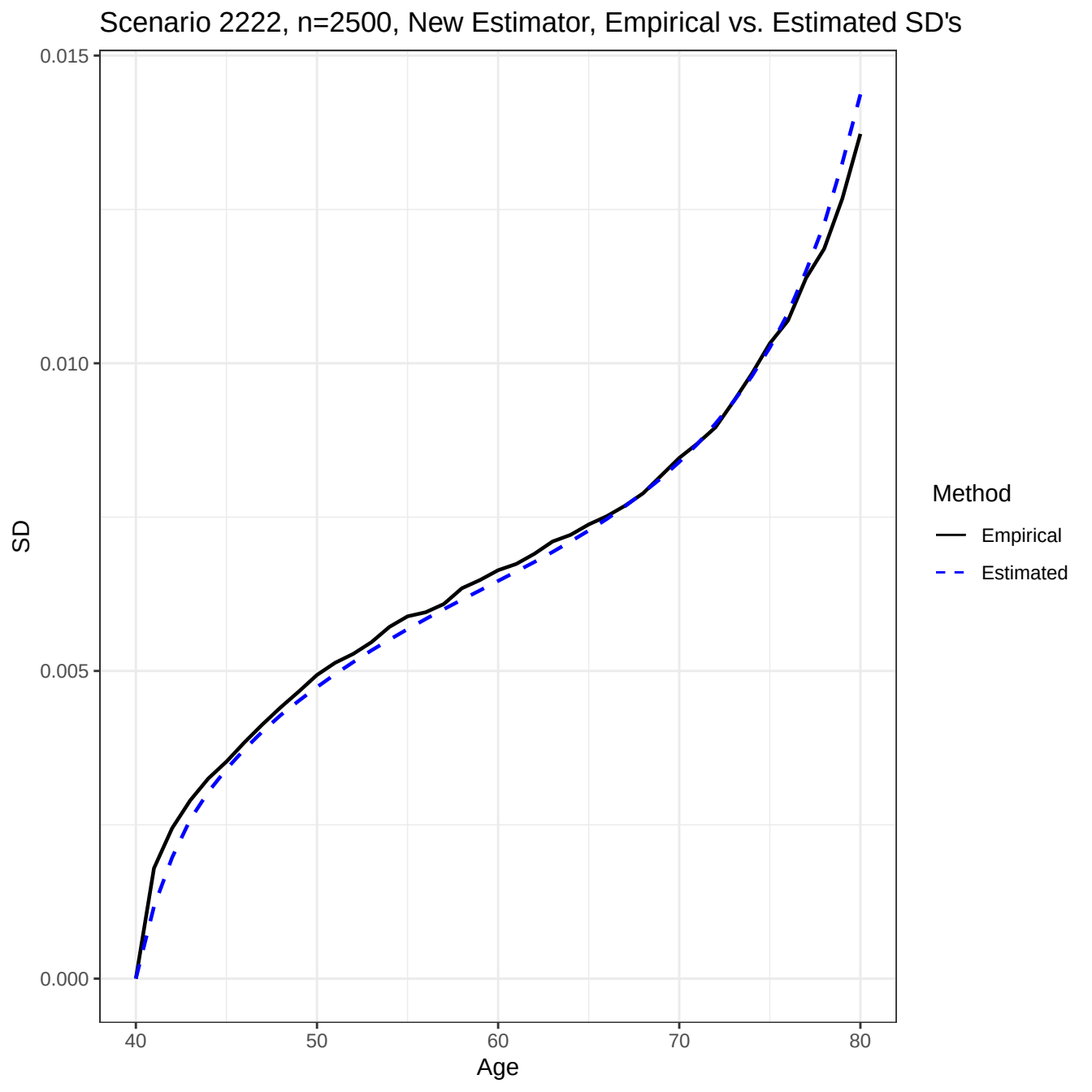

Scenario 2222, n=2500, Means
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

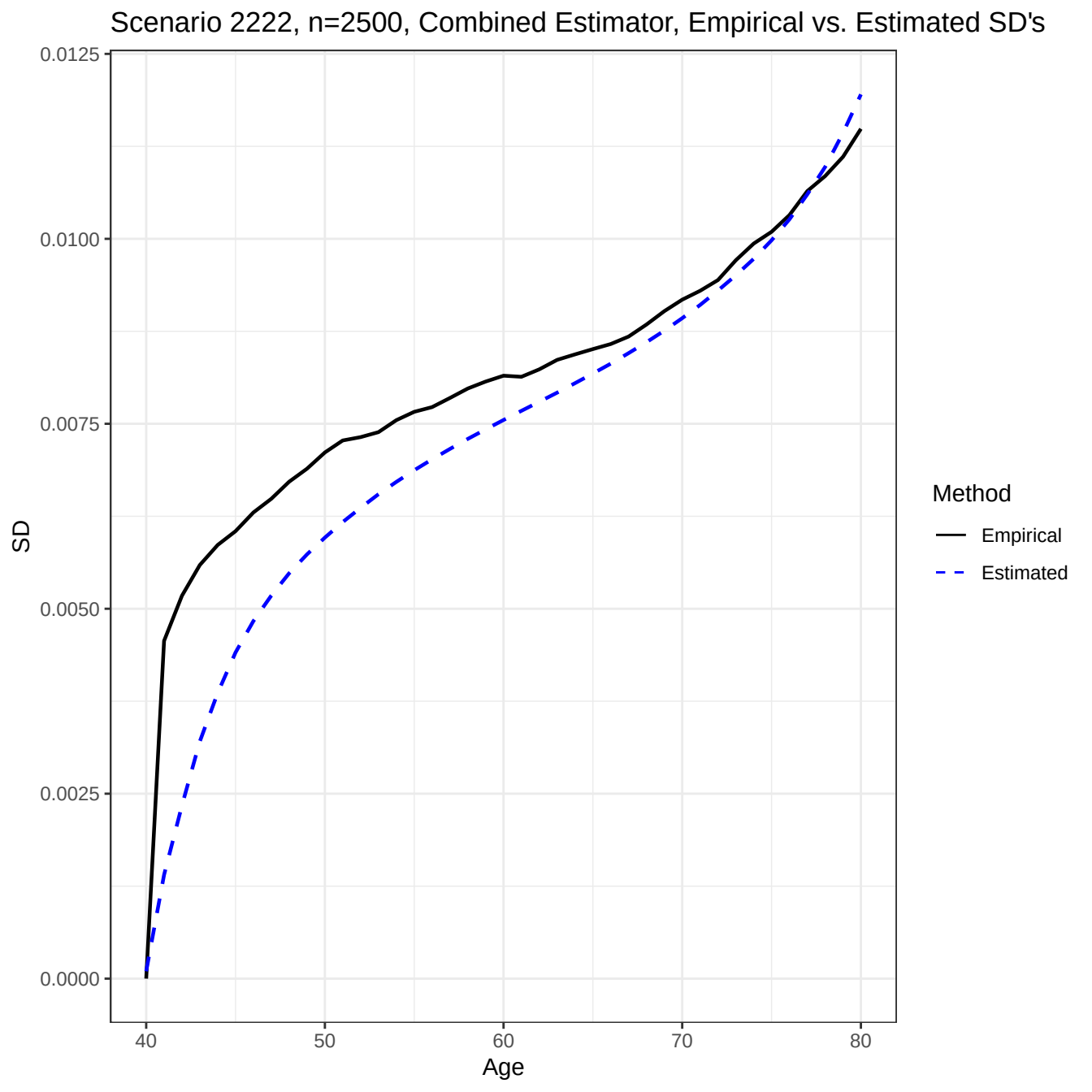

Scenario 2222, n=2500, Medians
0.15
0.10
0.05
0.00
CIF
40
50
60
70
80
Age
Method
True
AJ
New
Comb

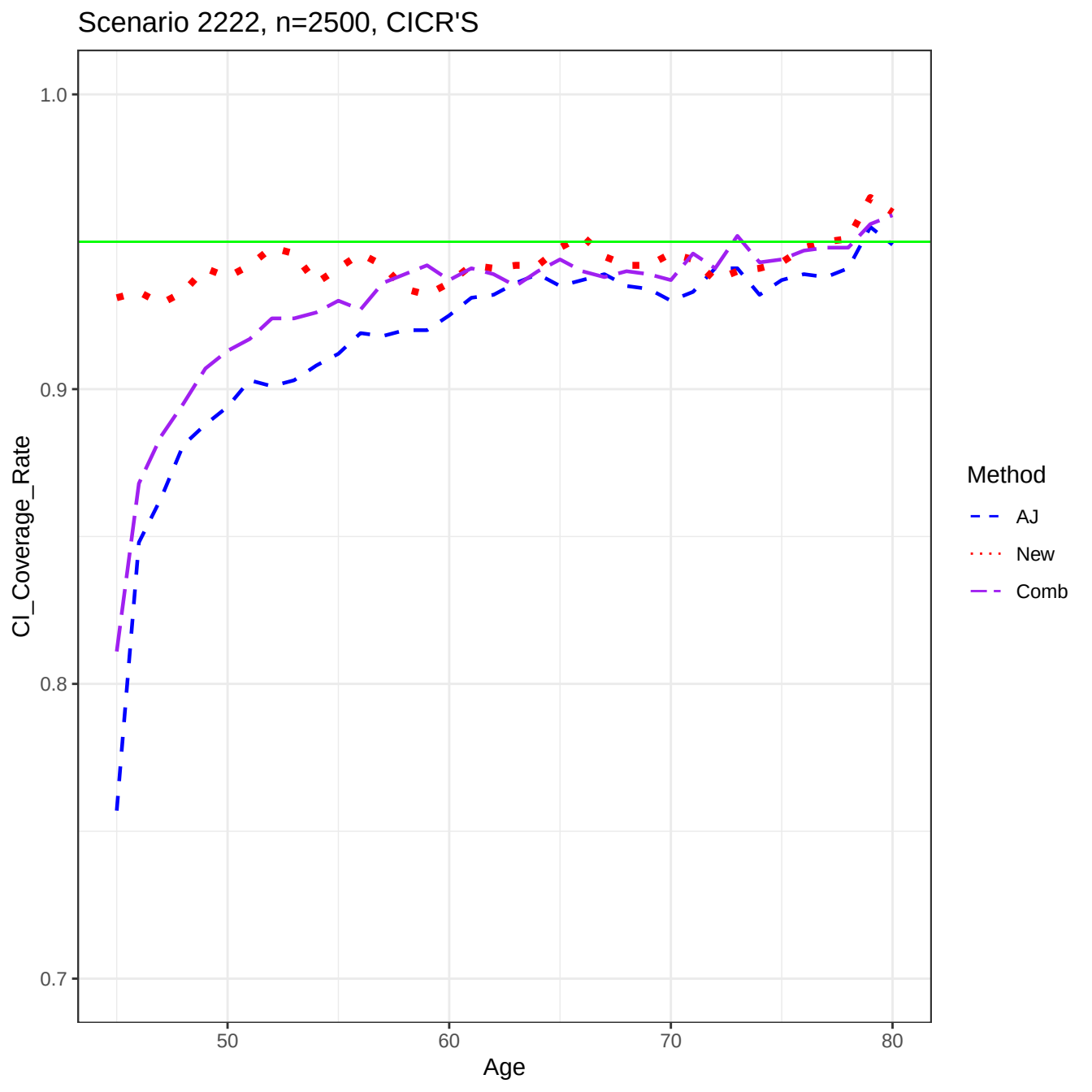

Scenario 2222, n=2500, SD'S
SD
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb

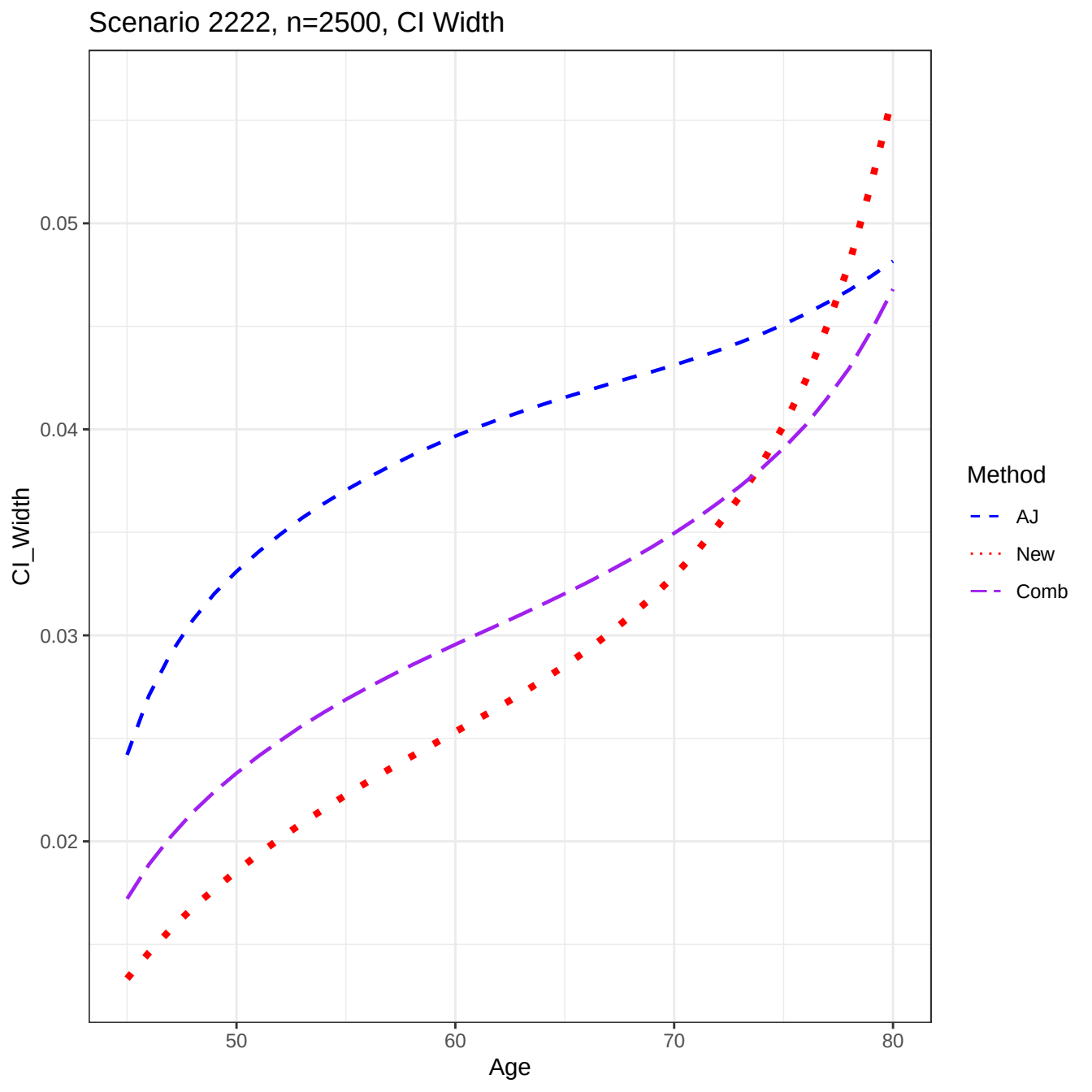

Scenario 2222, n=2500, IQR'S
IQR
0.015
0.010
0.005
0.000
40
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2222, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.005
0.010
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 2222, n=2500, New Estimator, Empirical vs. Estimated SD's
0.015
0.010
0.005
0.000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2222, n=2500, Combined Estimator, Empirical vs. Estimated SD's
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
SD
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 2222, n=2500, CICR'S
1.0
0.9
0.8
0.7
CI_Coverage_Rate
50
60
70
80
Age
Method
AJ
New
Comb


Scenario 2222, n=2500, CI Width
CI_Width
0.05
0.04
0.03
0.02
50
60
70
80
Age
Method
AJ
New
Comb

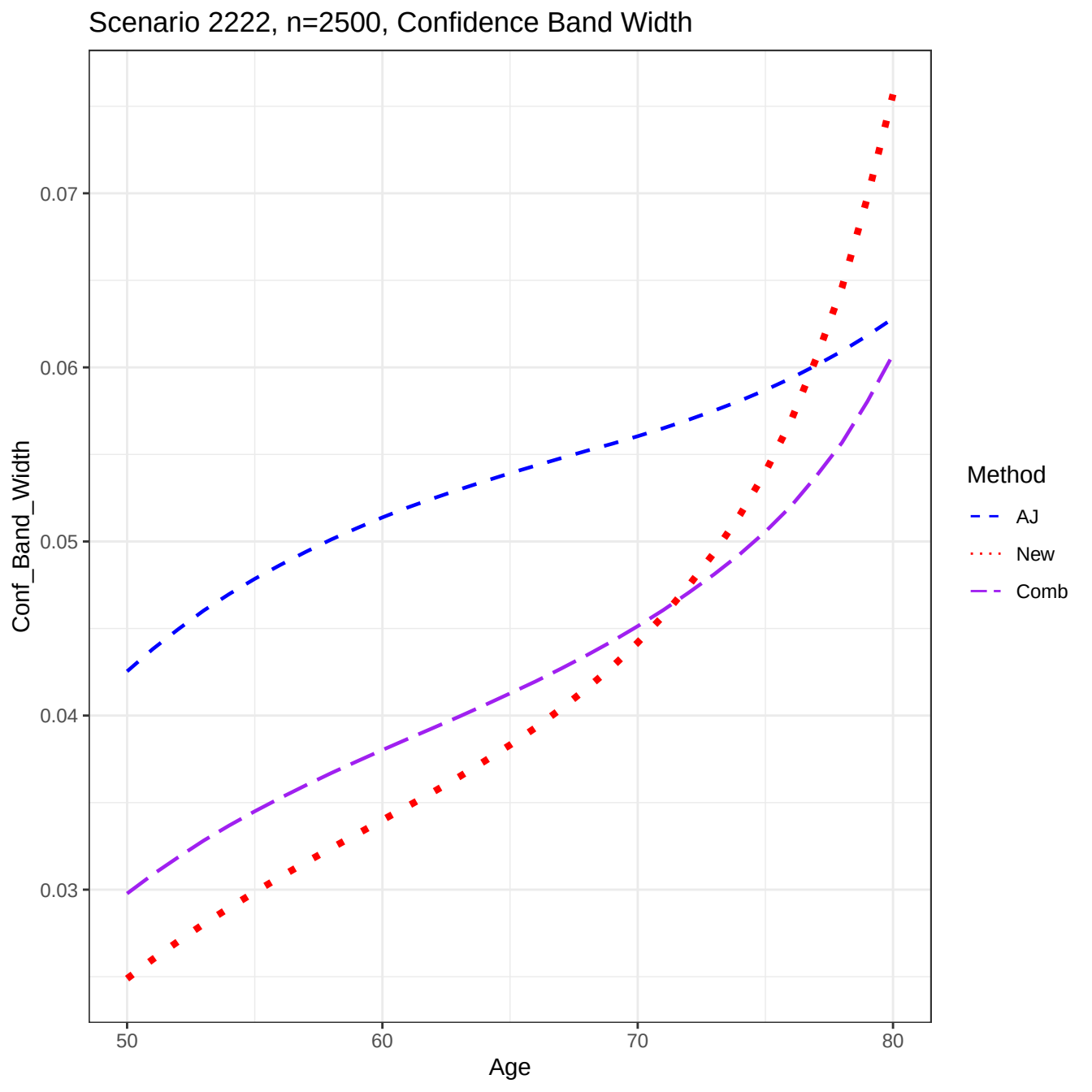
CONFIDENCE BAND COVERAGE RATES

Scenario: 2222

AJ: 0.907

new: 0.934

Combo: 0.919


Scenario 2222, n=2500, Confidence Band Width
Conf_Band_Width
0.07
0.06
0.05
0.04
0.03
50
60
70
80
Age
Method
AJ
New
Comb

SETTINGS

Scenario: 3111

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

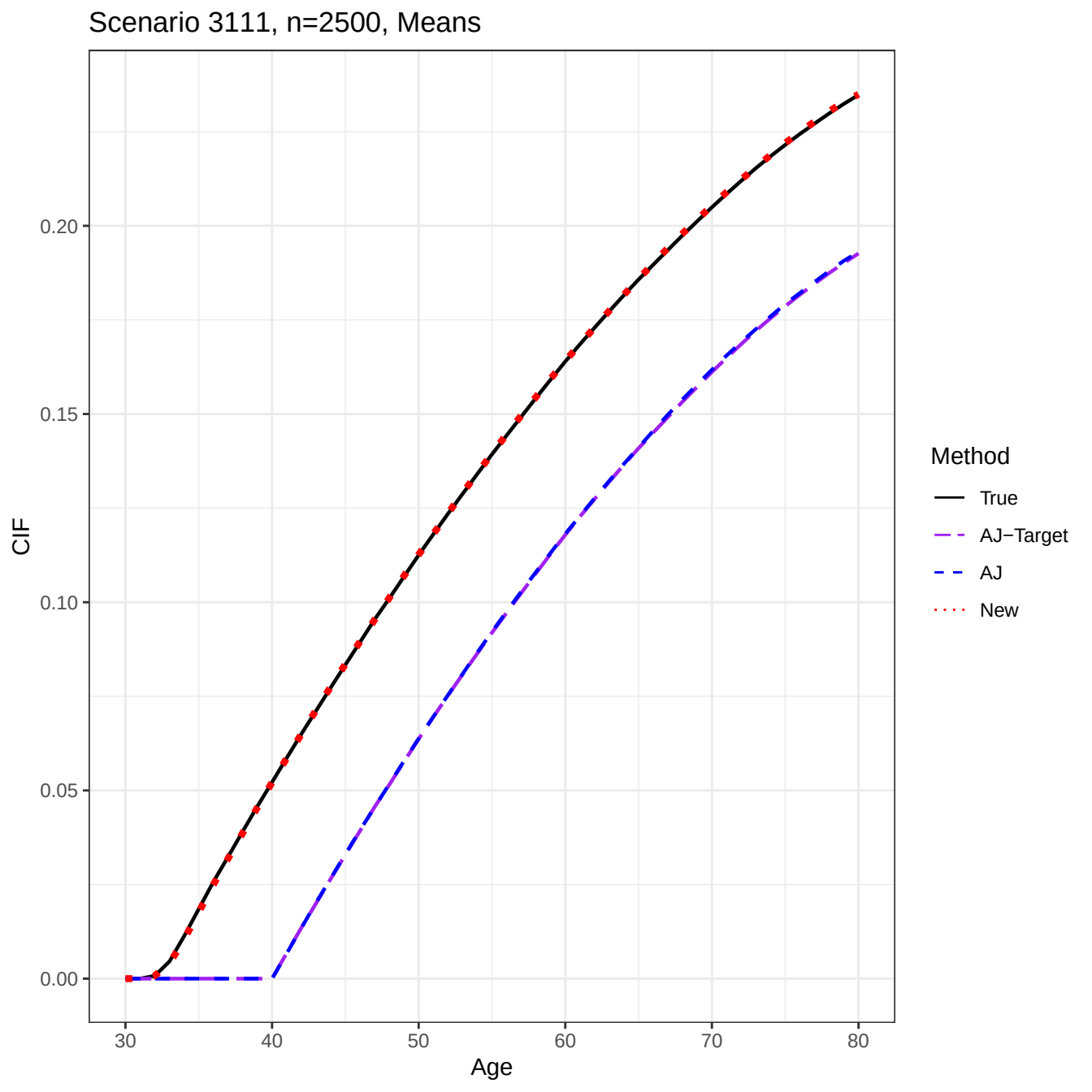
transformation: 0.5*pi − asin(sqrt(1−u))

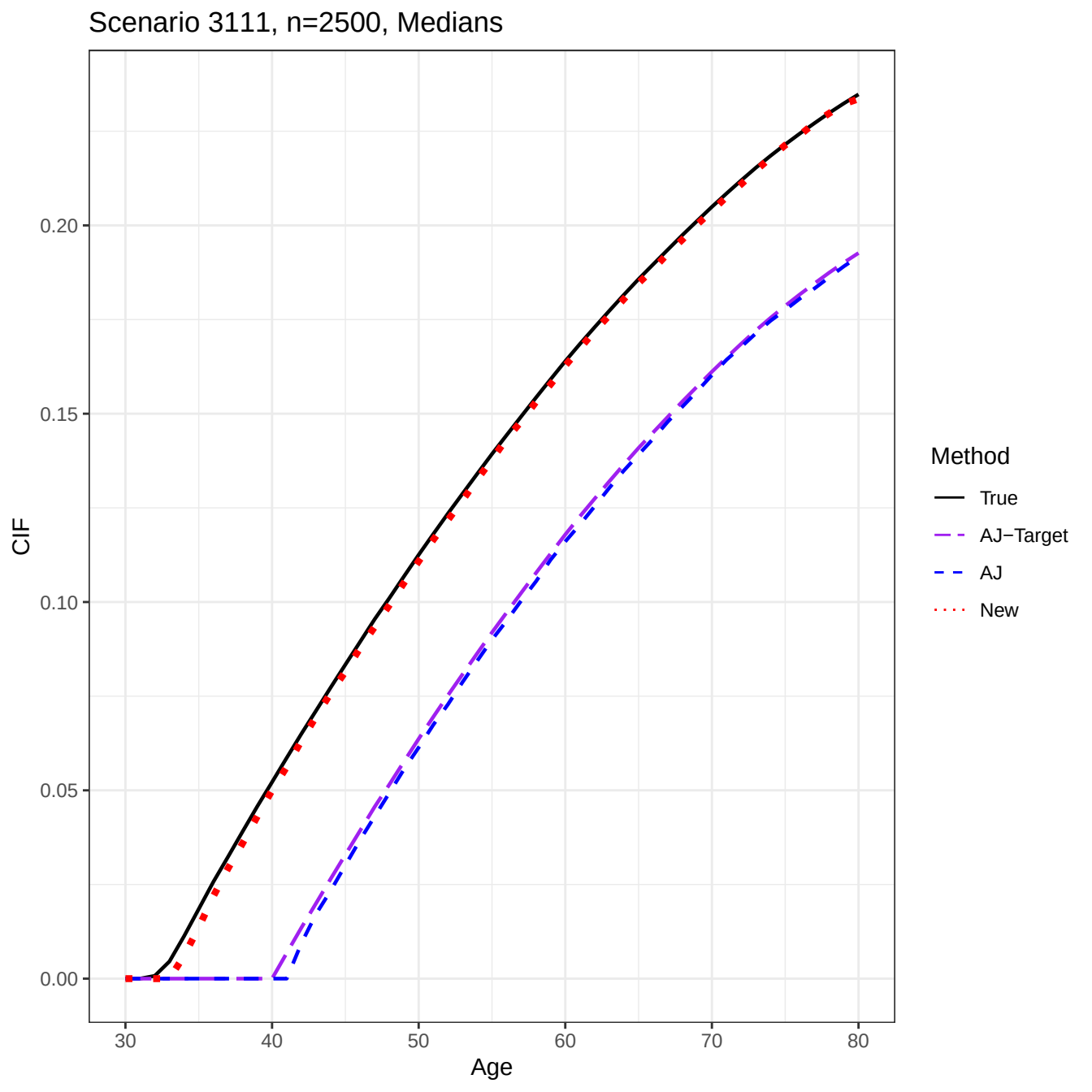
pointwise CI's done by: normal−theory

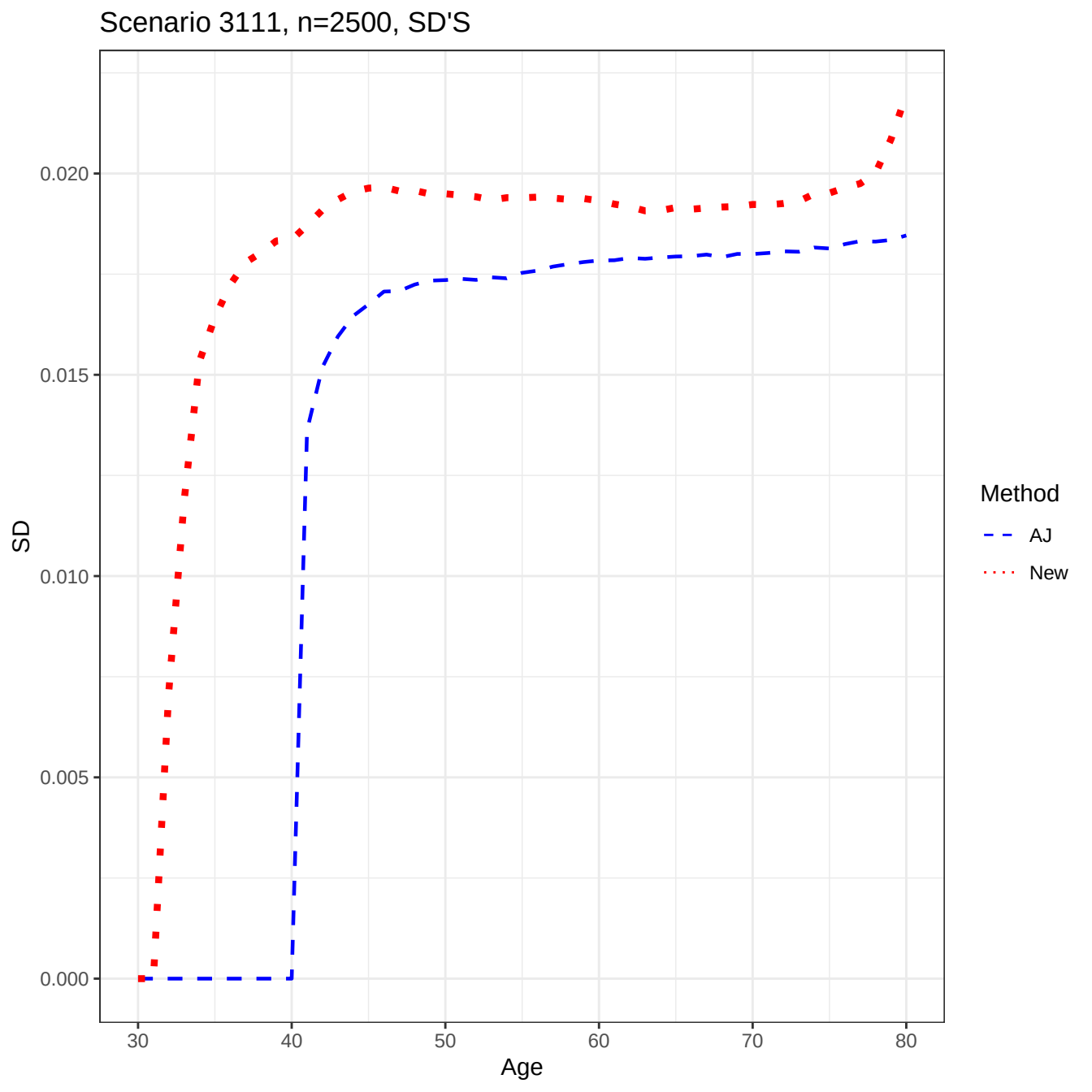
auxflg = FALSE

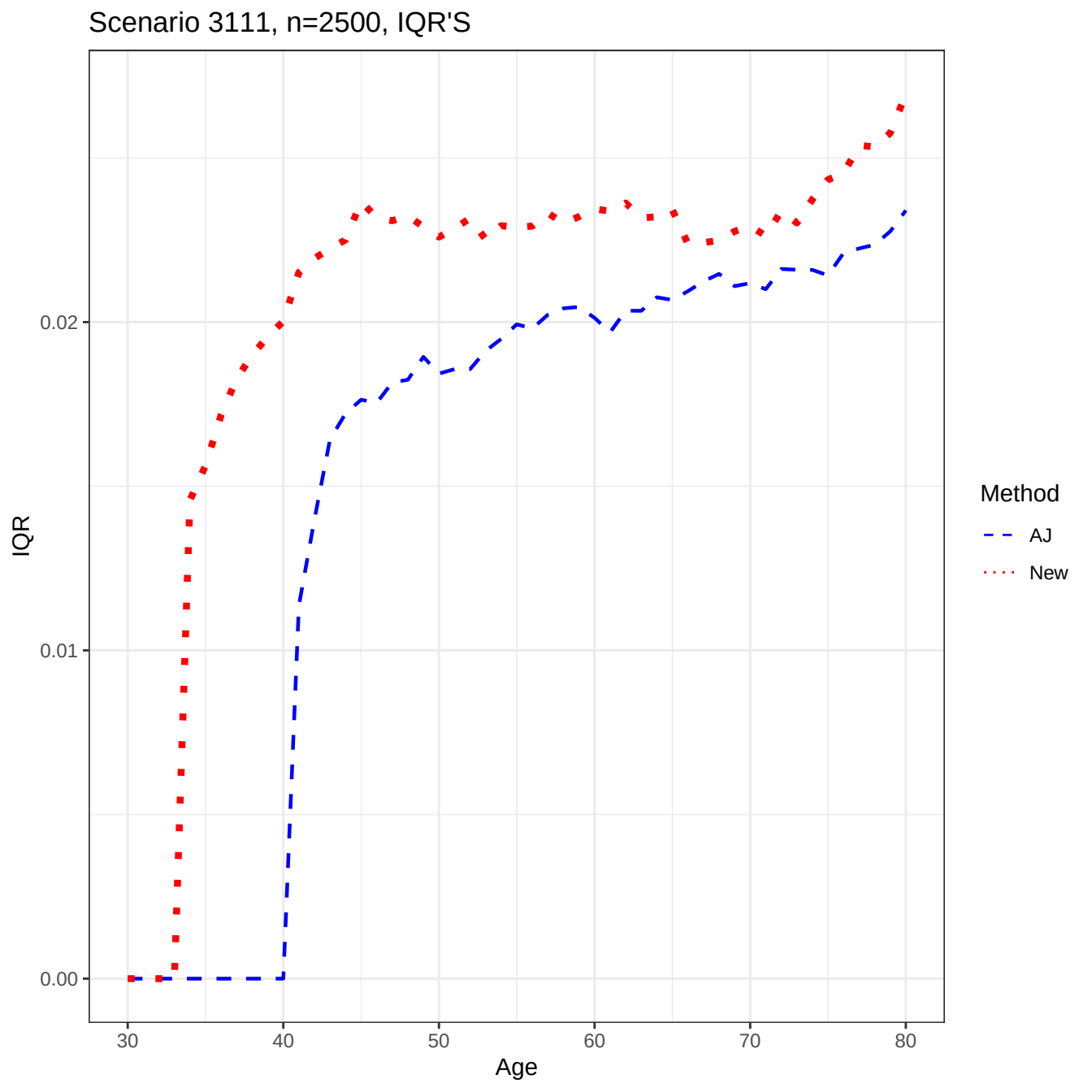
bootstrap weights: normal

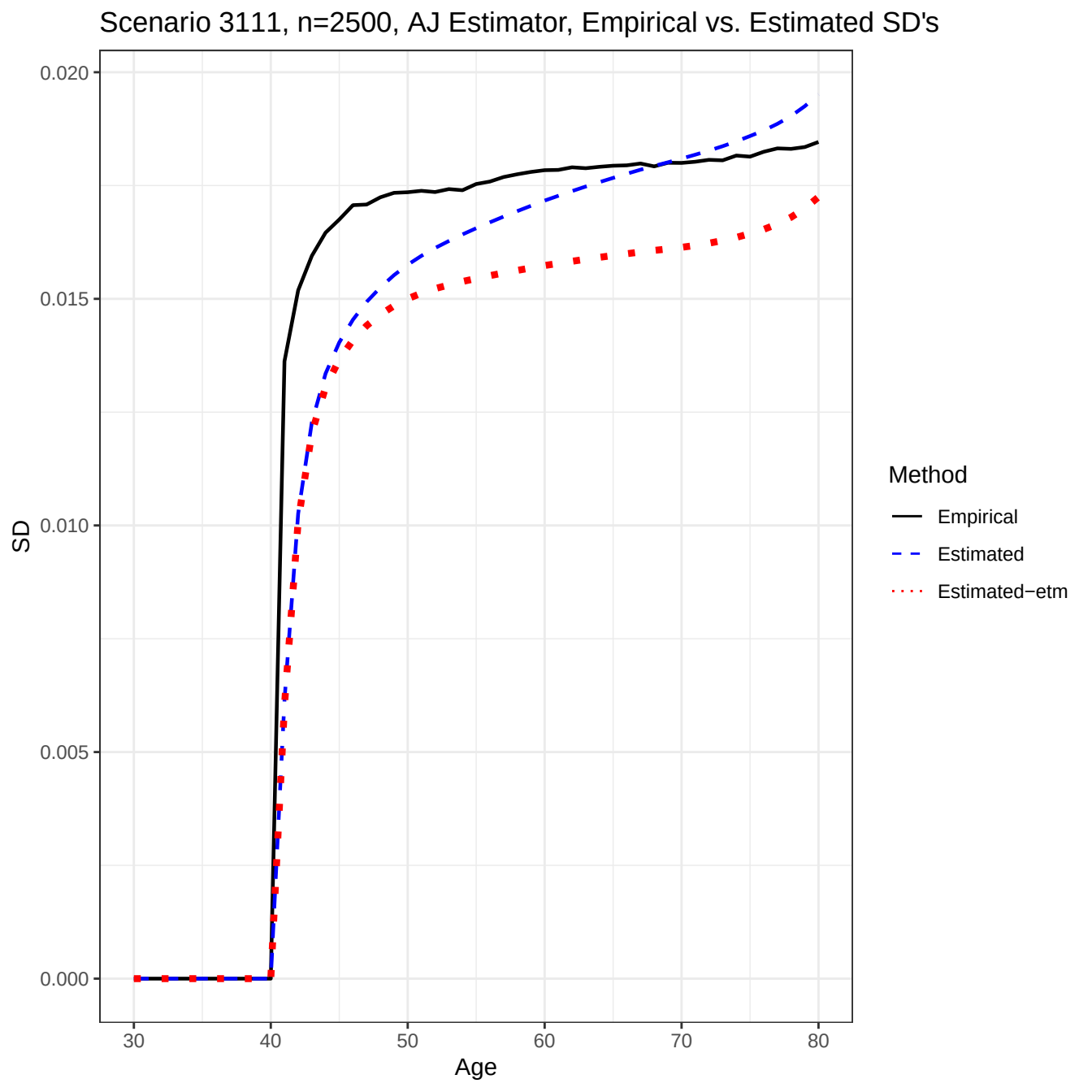
Date/Time: 2024−01−12 11:20:52.038446

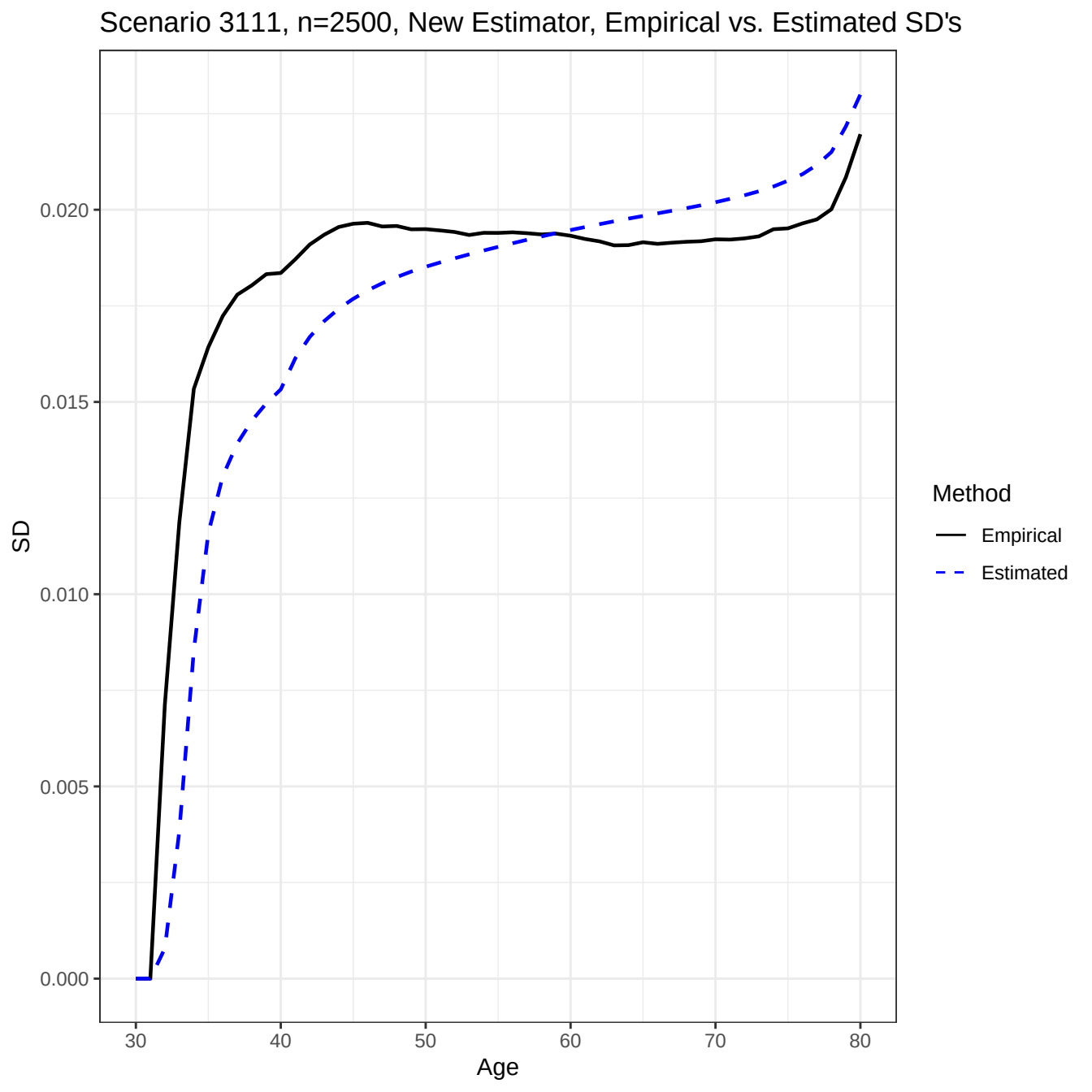

Scenario 3111, n=2500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

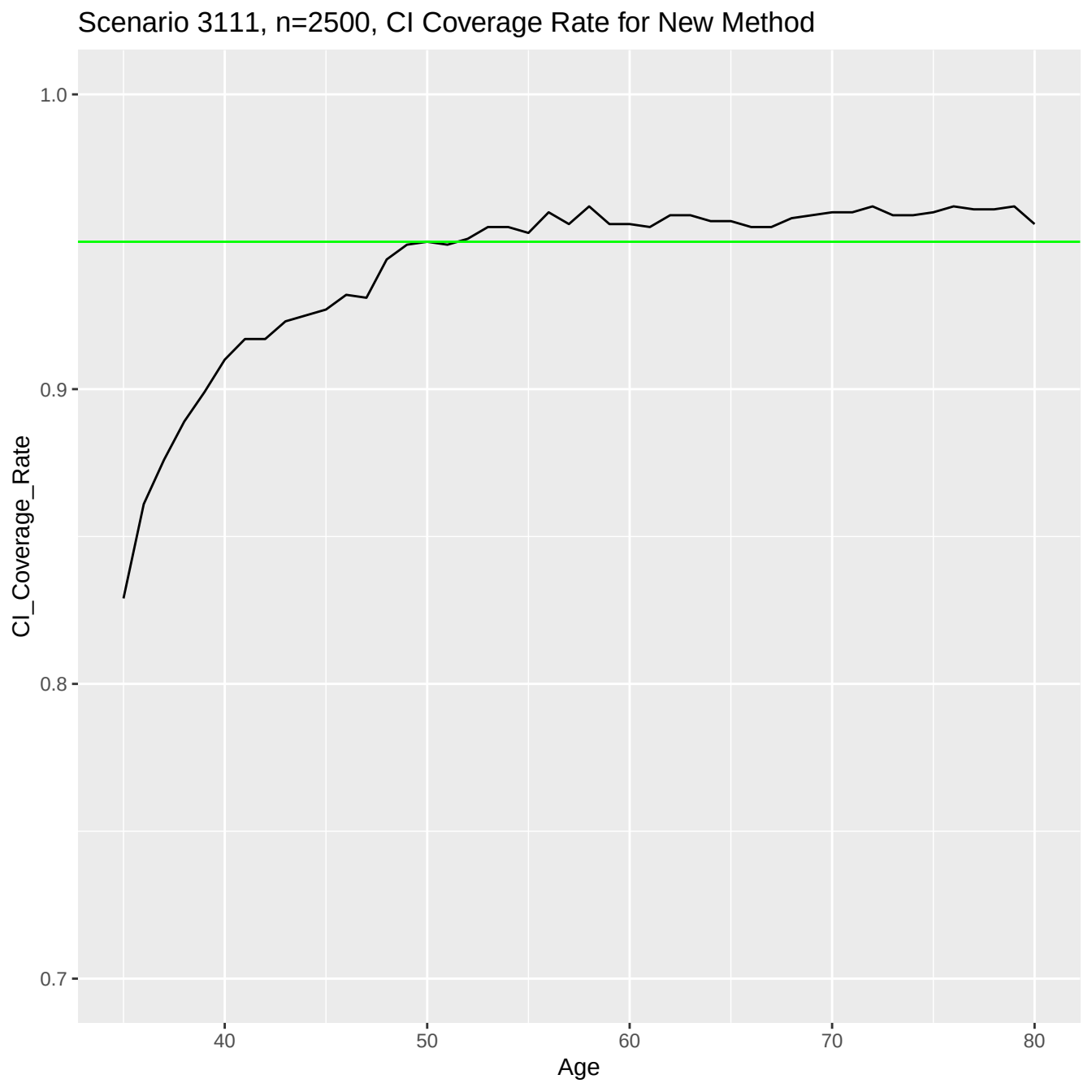

Scenario 3111, n=2500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

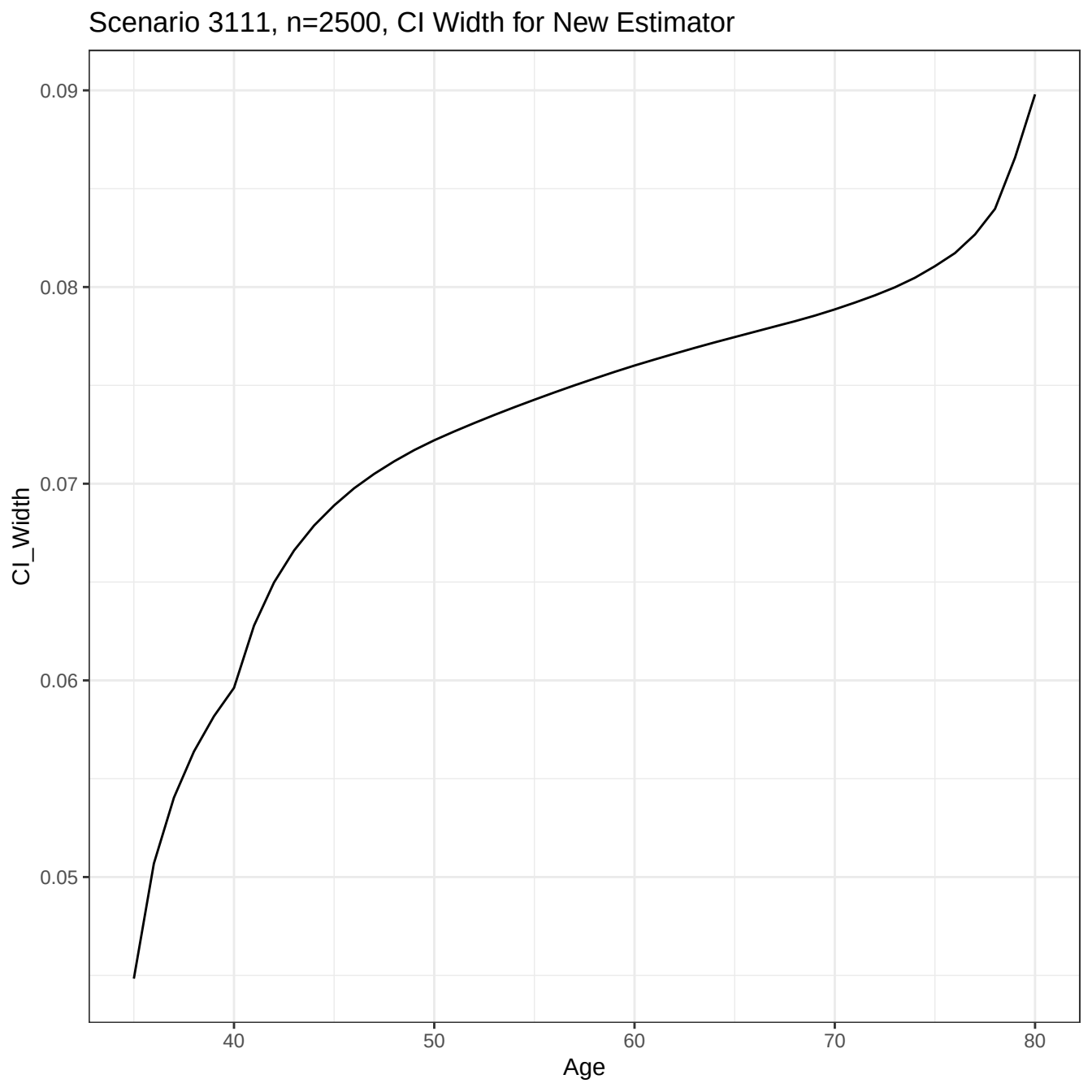

Scenario 3111, n=2500, SD'S
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3111, n=2500, IQR'S
IQR
0.02
0.01
0.00
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3111, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3111, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3111, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3111, n=2500, CI Width for New Estimator
0.09
0.08
0.07
0.06
0.05
CI_Width
40
50
60
70
80
Age

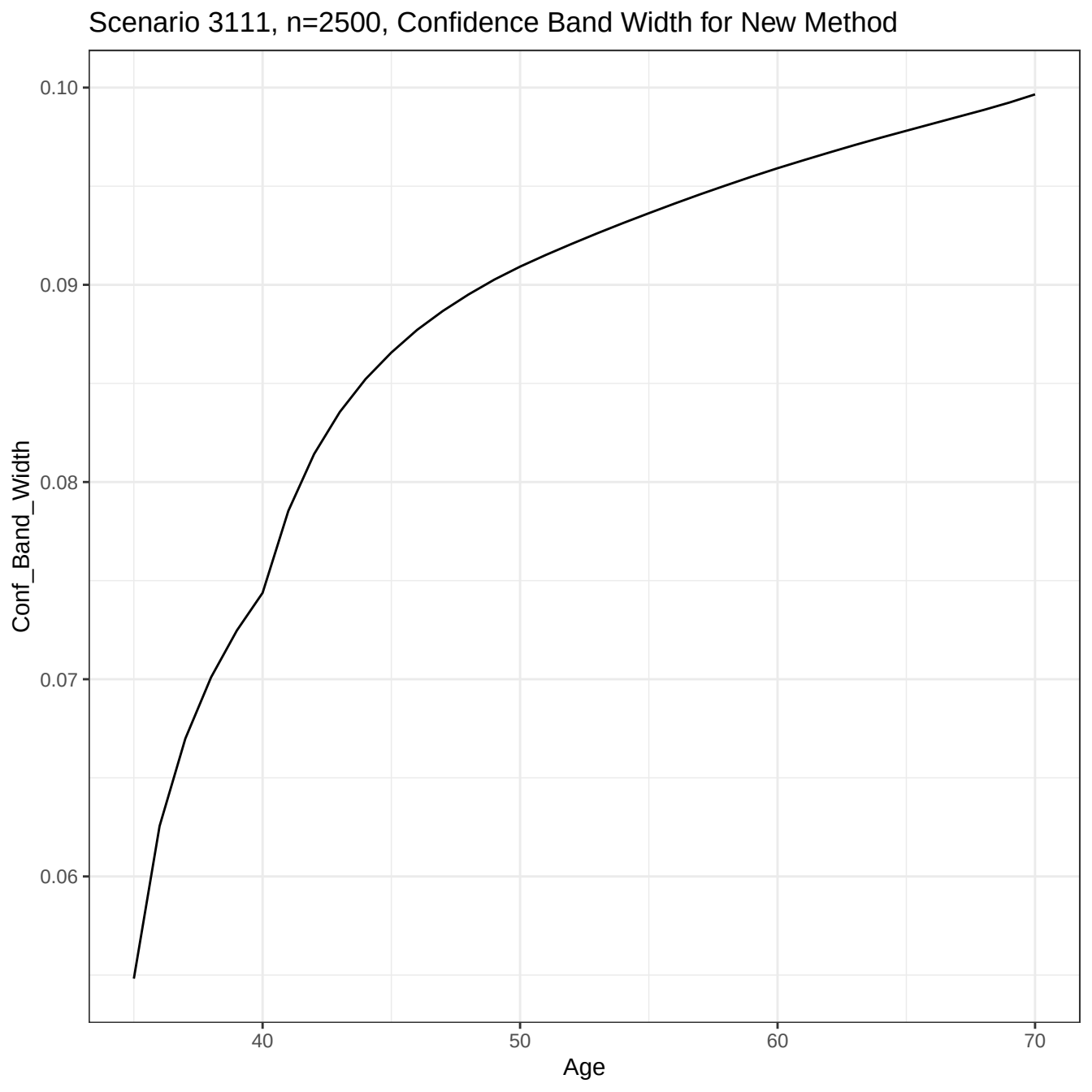
CONFIDENCE BAND COVERAGE RATES

Scenario: 3111

AJ0: 0

AJ: 0.305

New: 0.864


Scenario 3111, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.10
0.09
0.08
0.07
0.06
40
50
60
70
Age

SETTINGS

Scenario: 3112

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

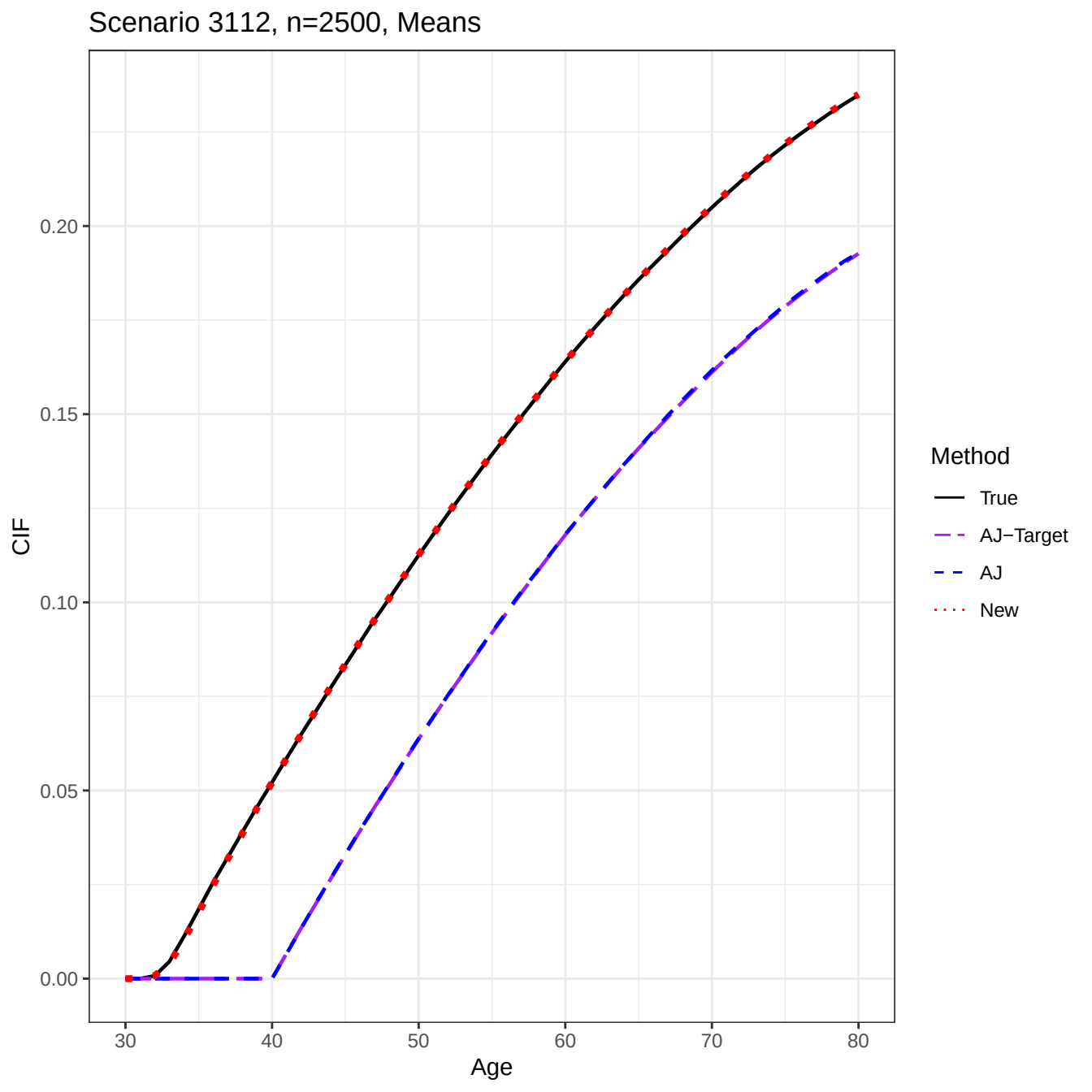
transformation: 0.5*pi − asin(sqrt(1−u))

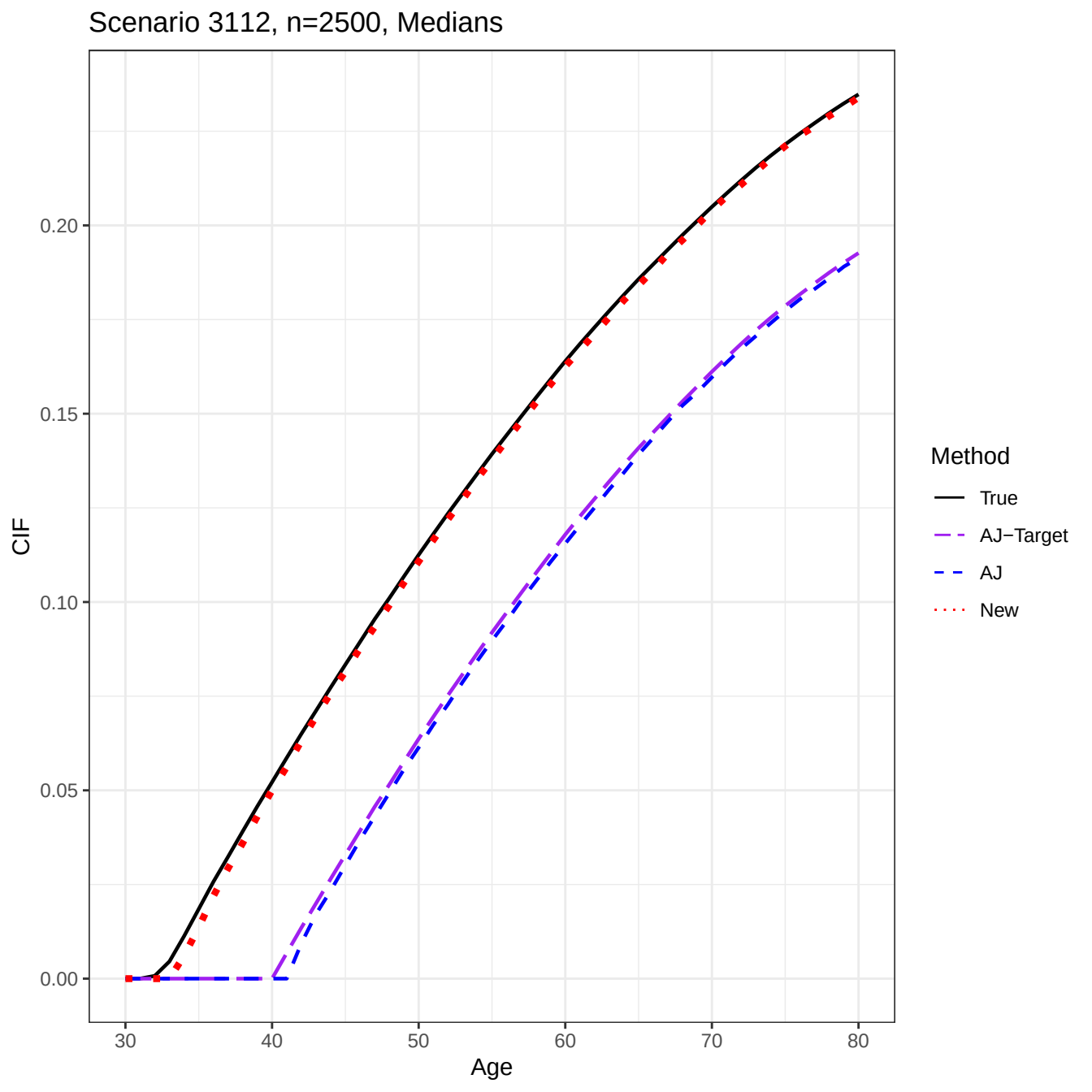
pointwise CI's done by: normal−theory

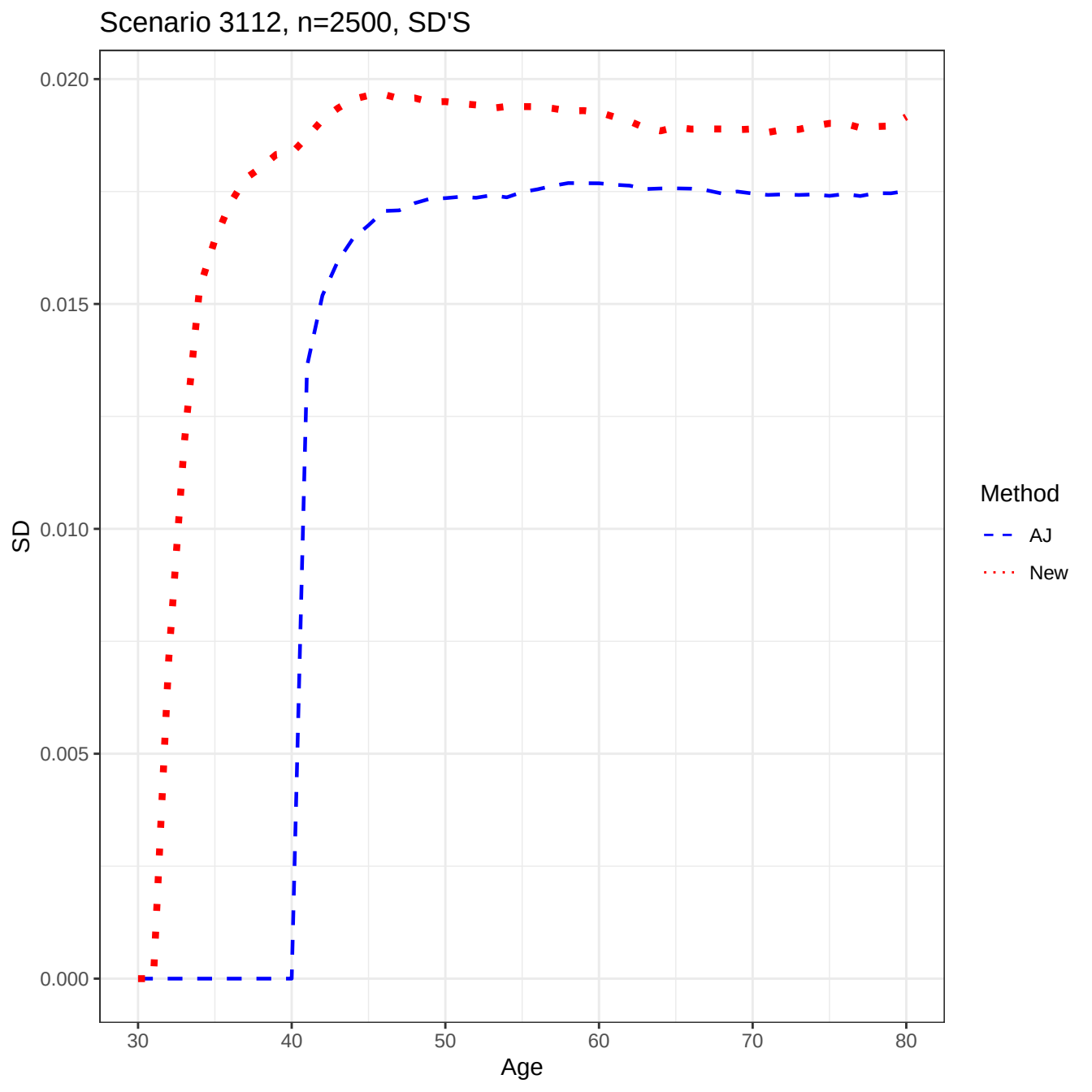
auxflg = FALSE

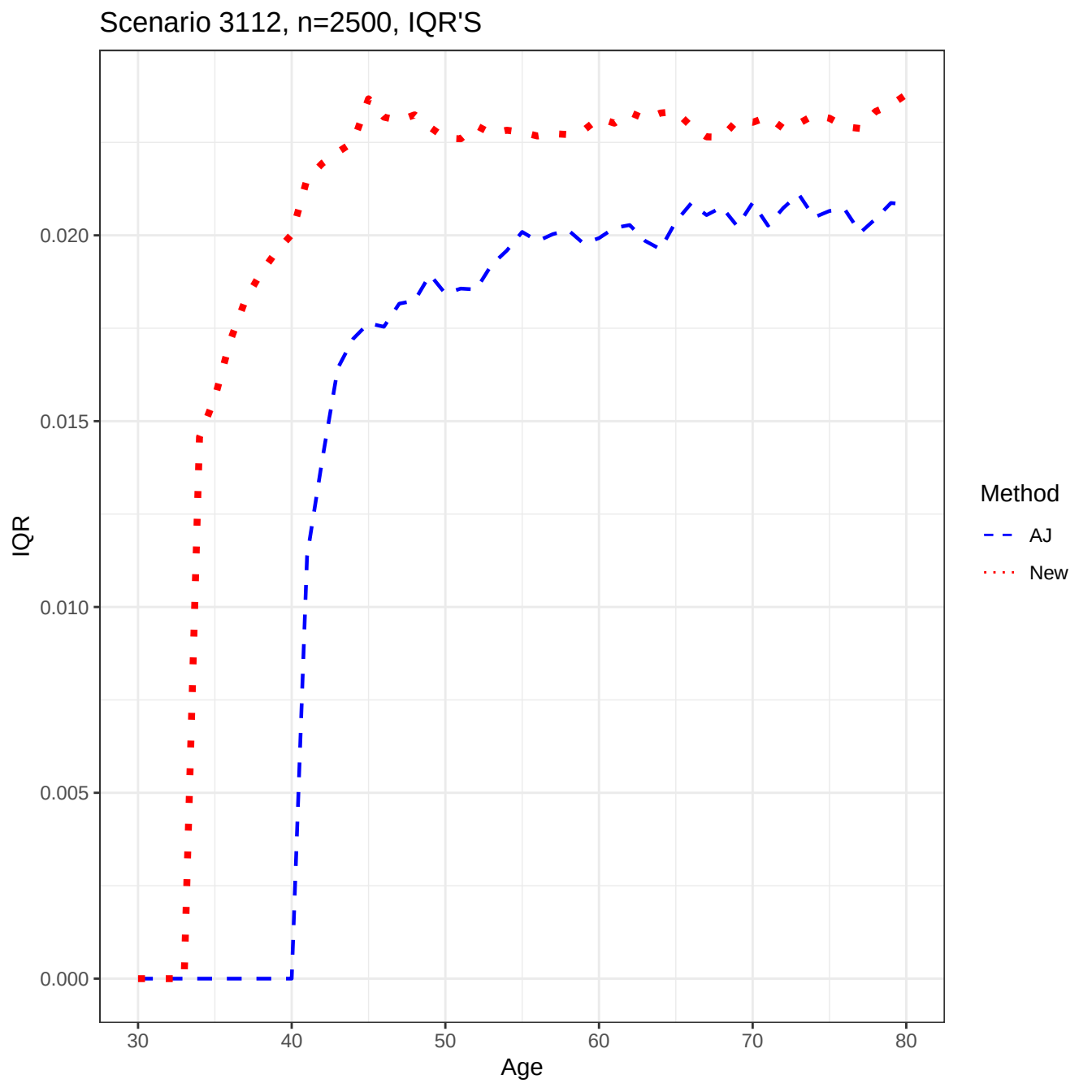
bootstrap weights: normal

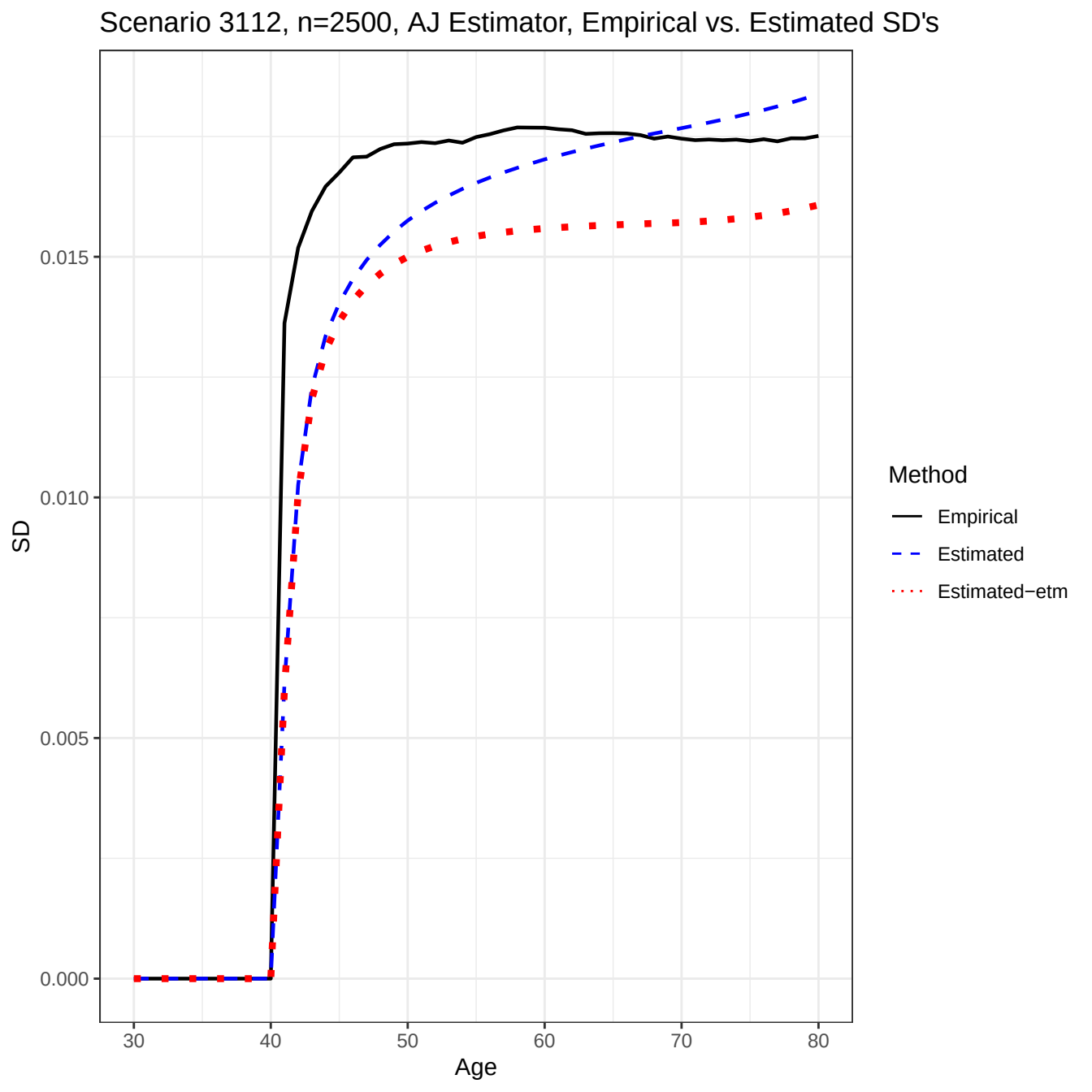
Date/Time: 2024−01−14 16:50:12.780265

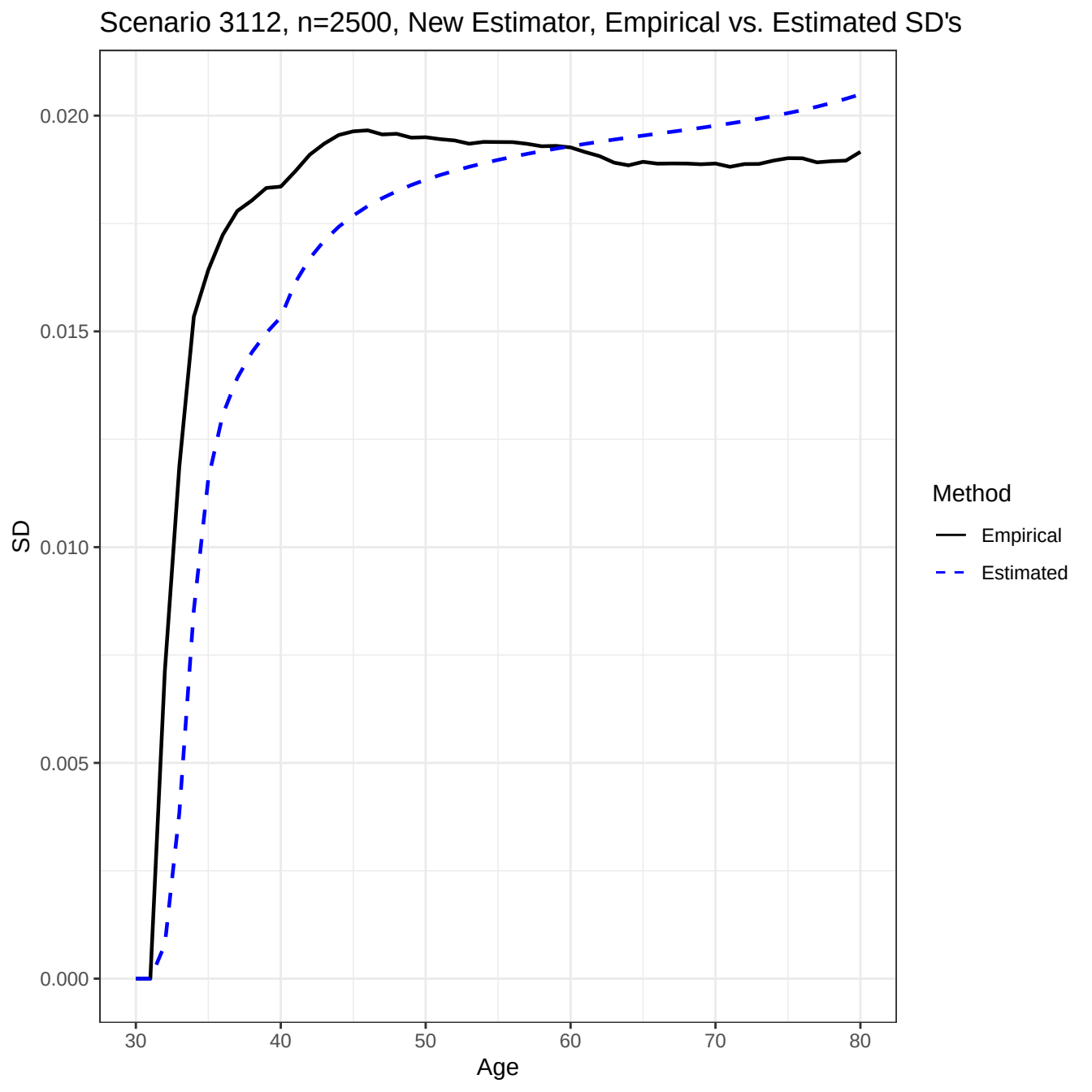

Scenario 3112, n=2500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

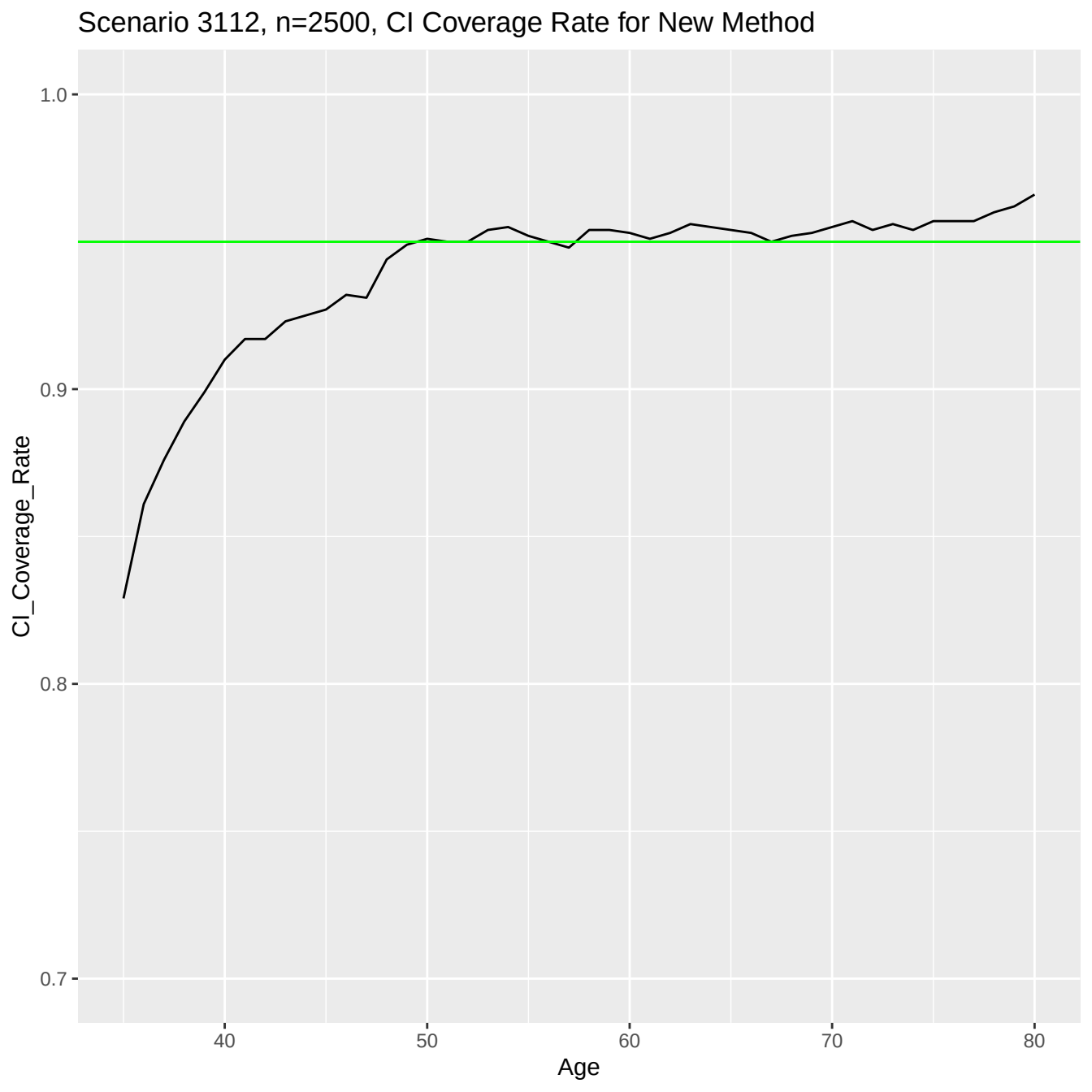

Scenario 3112, n=2500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

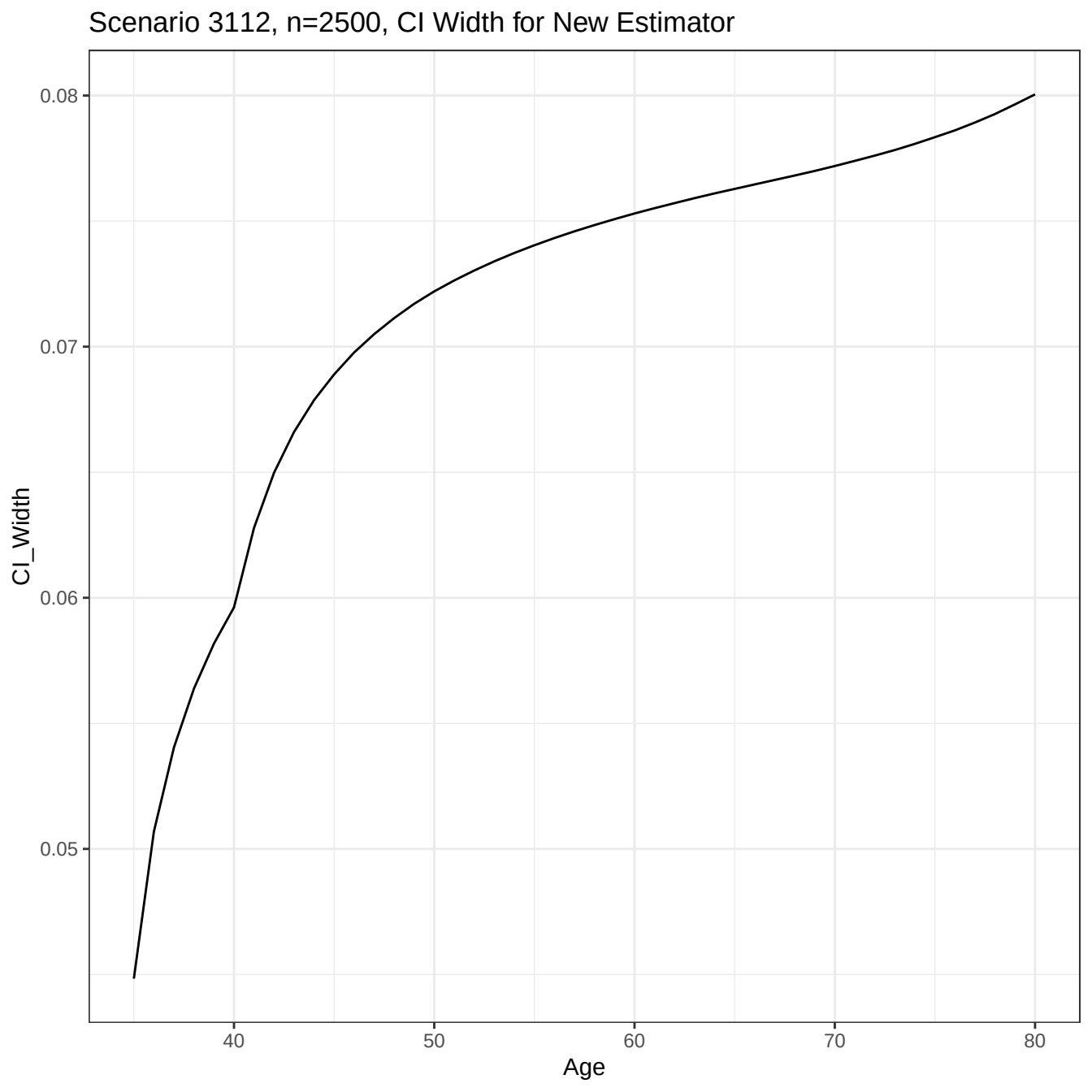

Scenario 3112, n=2500, SD'S
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3112, n=2500, IQR'S
IQR
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3112, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.005
0.010
0.015
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3112, n=2500, New Estimator, Empirical vs. Estimated SD's
0.020
0.015
0.010
0.005
0.000
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3112, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3112, n=2500, CI Width for New Estimator
0.08
0.07
0.06
0.05
CI_Width
40
50
60
70
80
Age

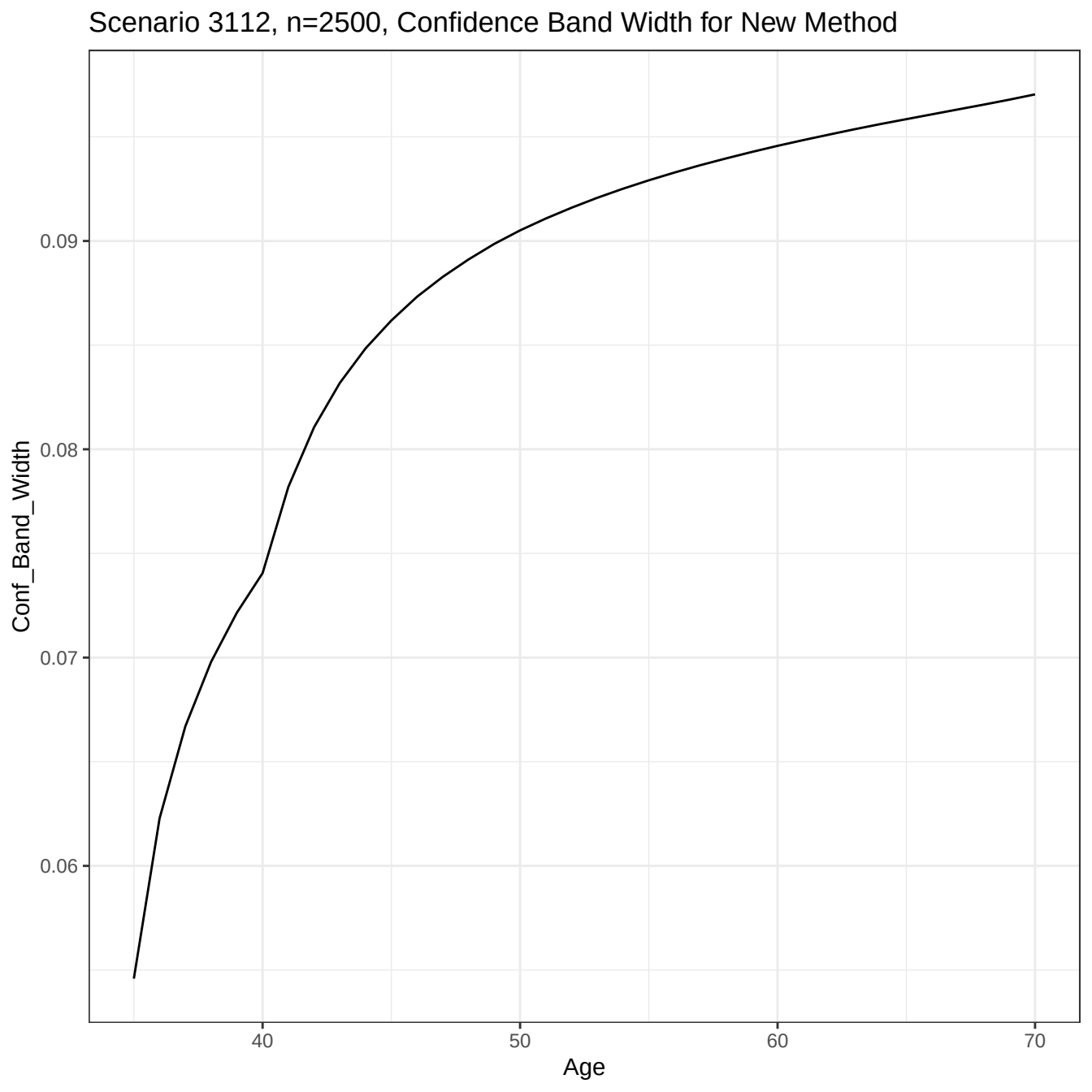
CONFIDENCE BAND COVERAGE RATES

Scenario: 3112

AJ0: 0

AJ: 0.304

New: 0.861


Scenario 3112, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.06
0.07
0.08
0.09
40
50
60
70
Age

SETTINGS

Scenario: 3121

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

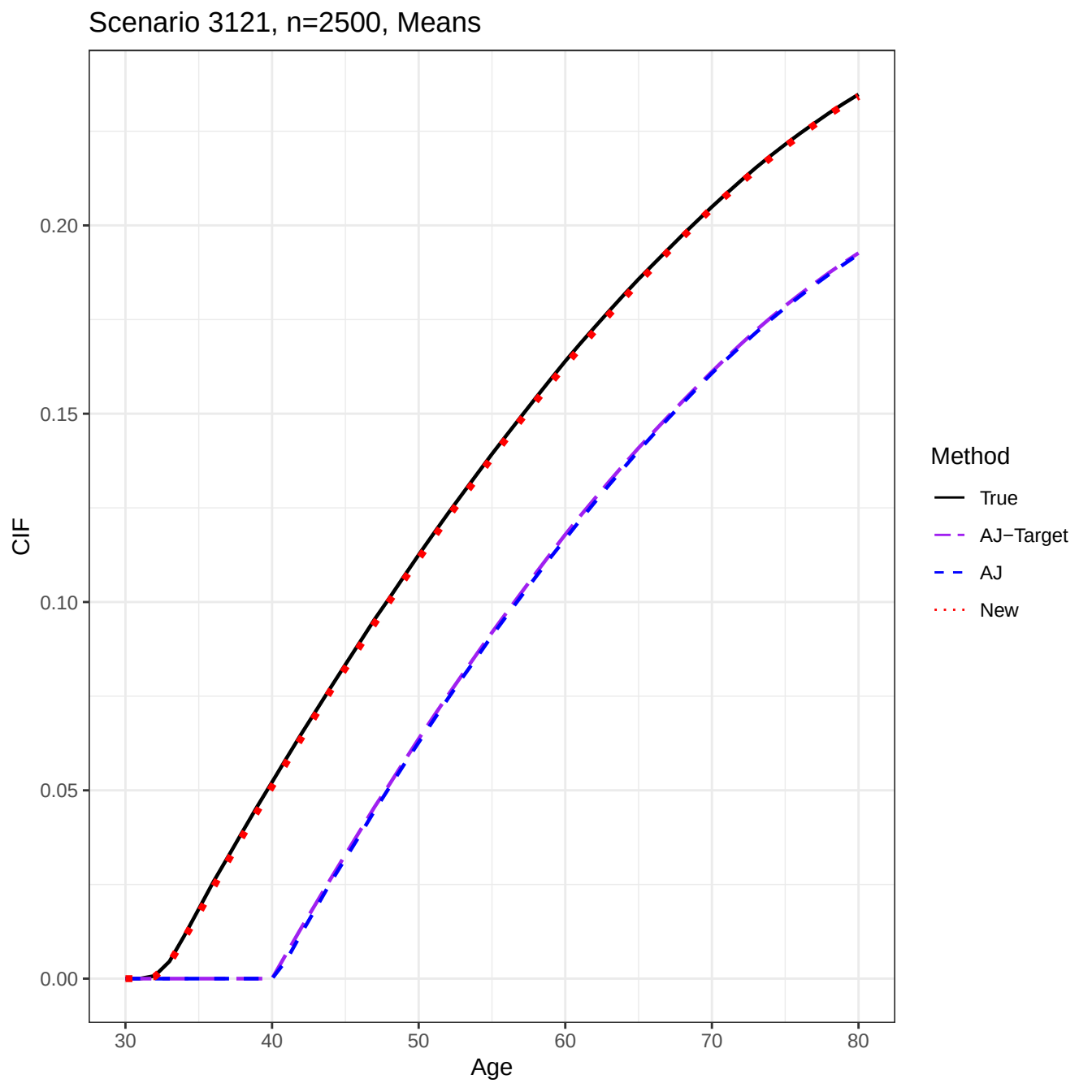
transformation: 0.5*pi − asin(sqrt(1−u))

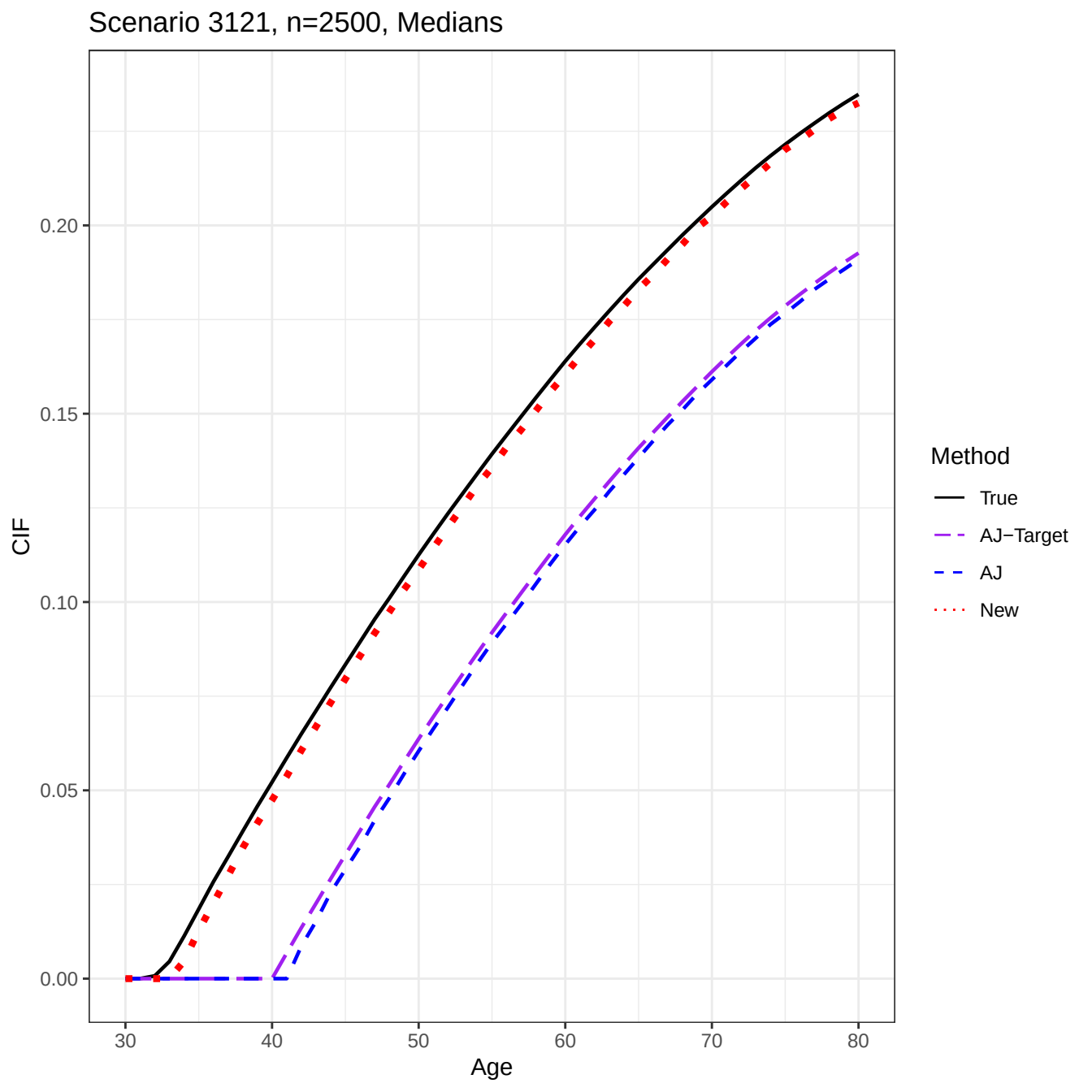
pointwise CI's done by: normal−theory

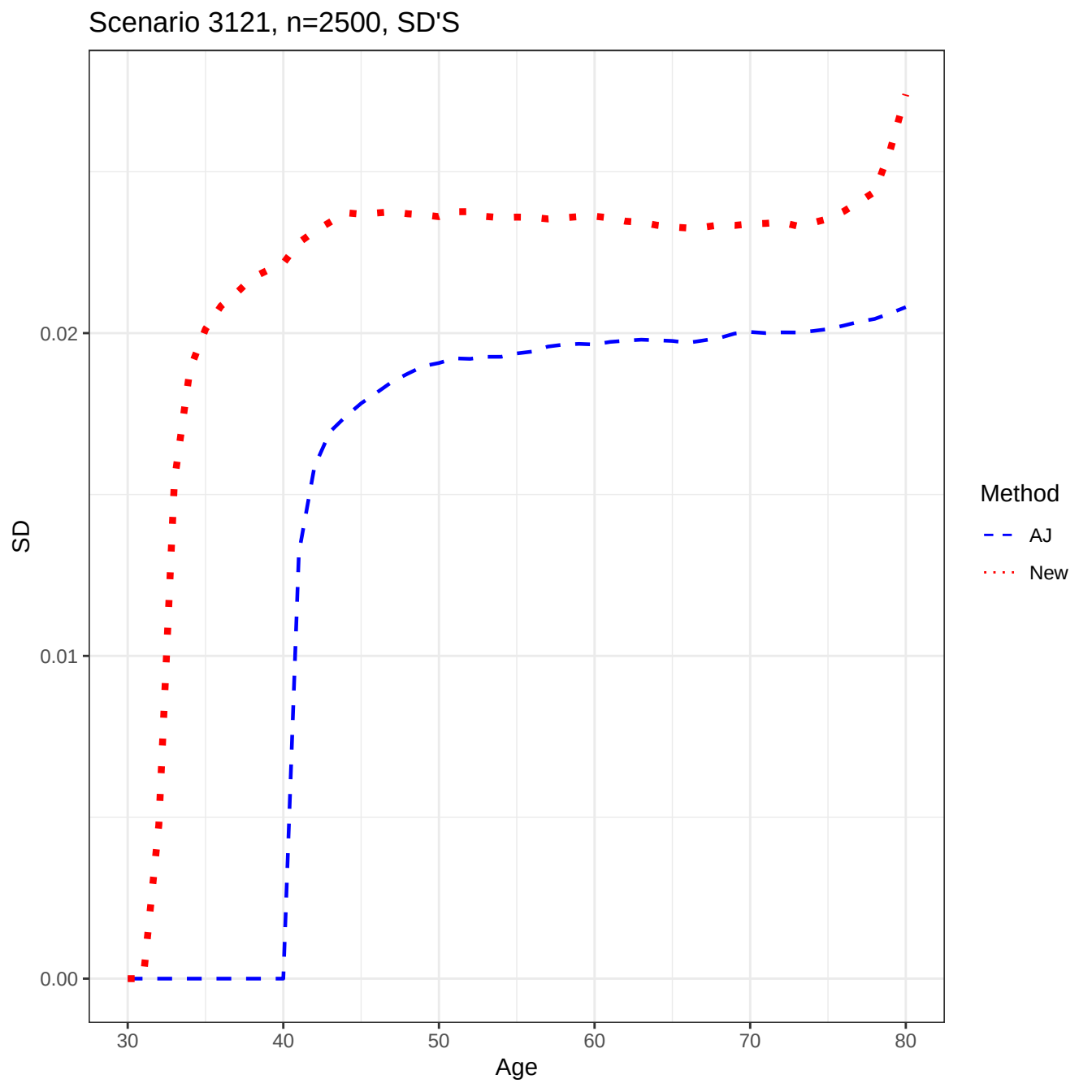
auxflg = FALSE

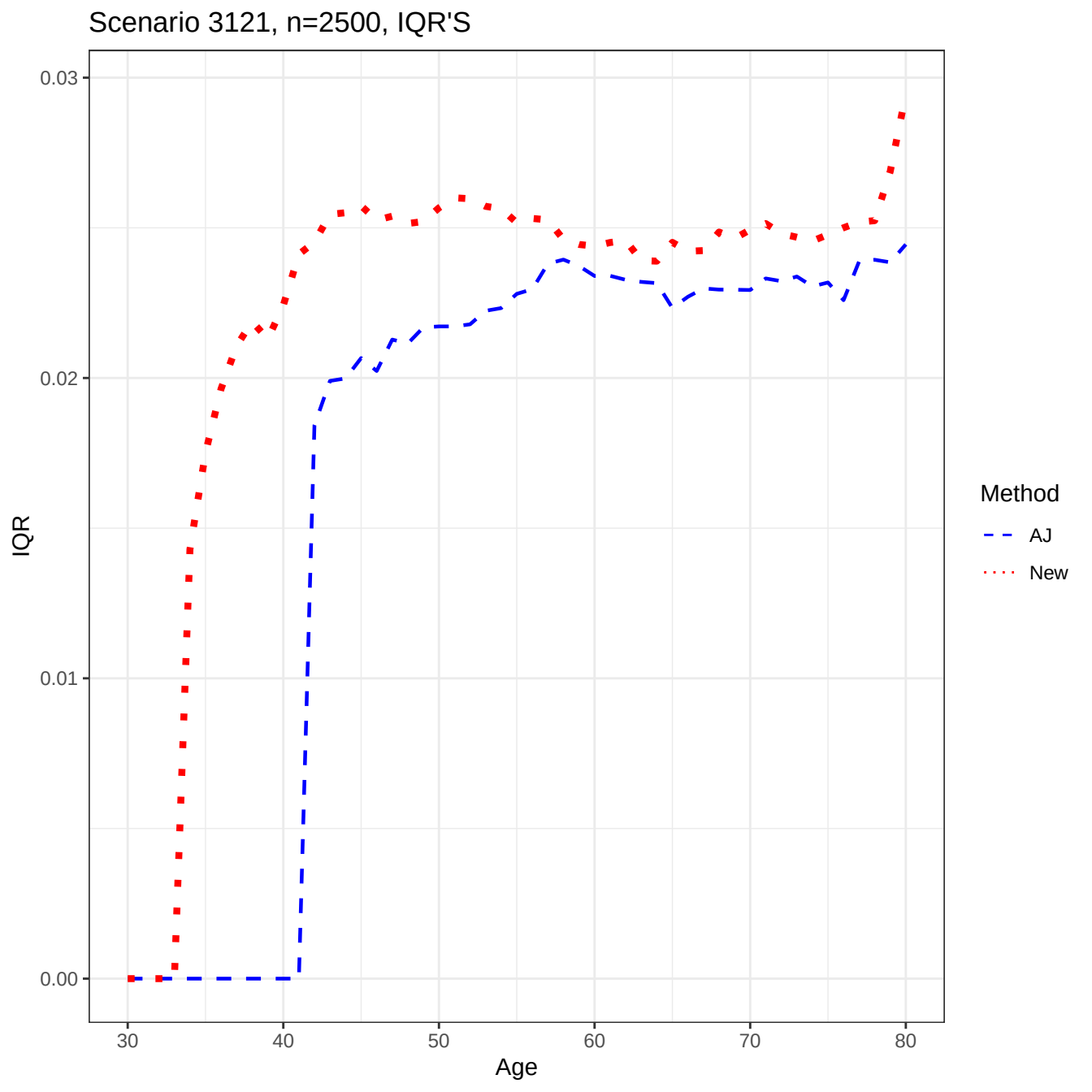
bootstrap weights: normal

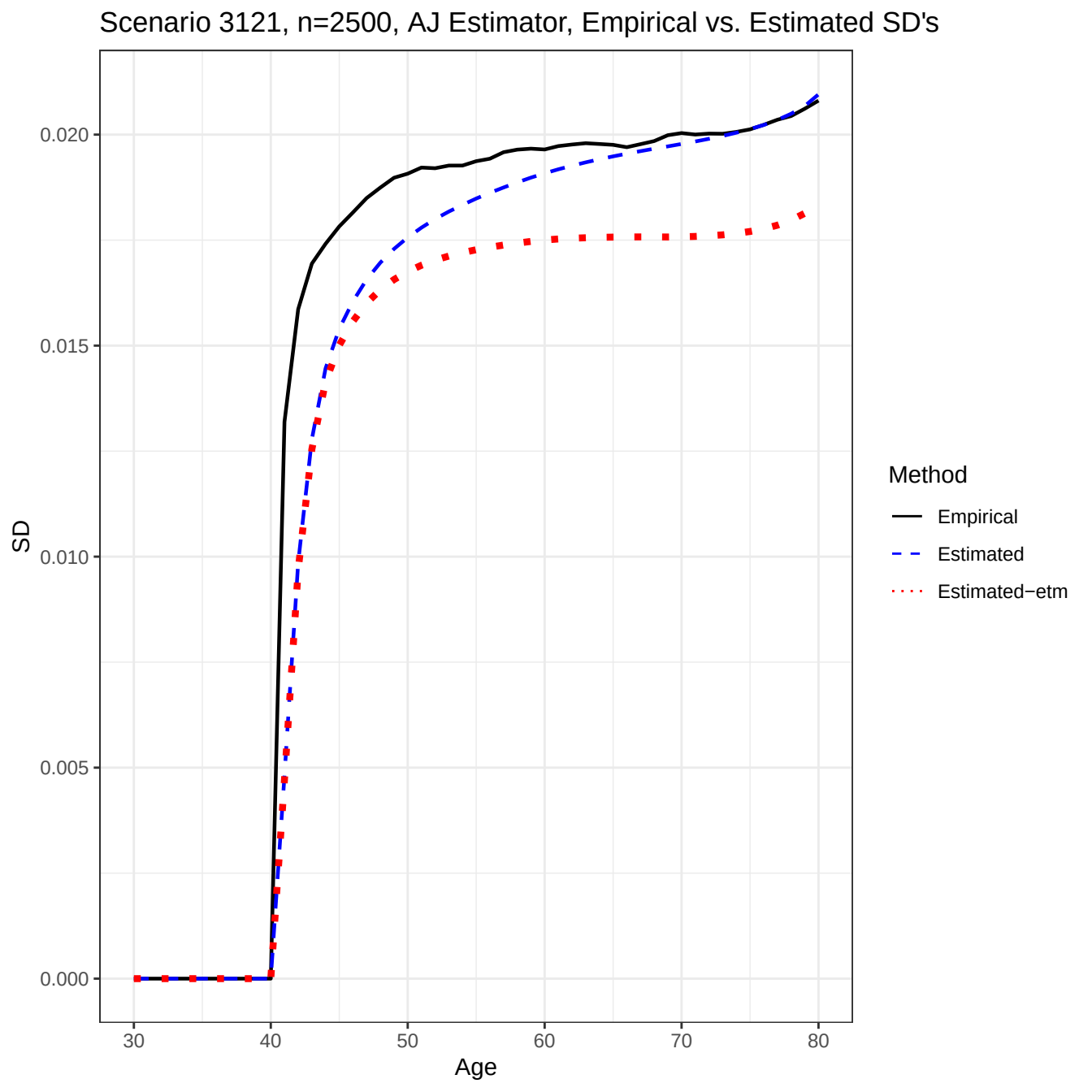
Date/Time: 2024−01−14 19:04:37.539653

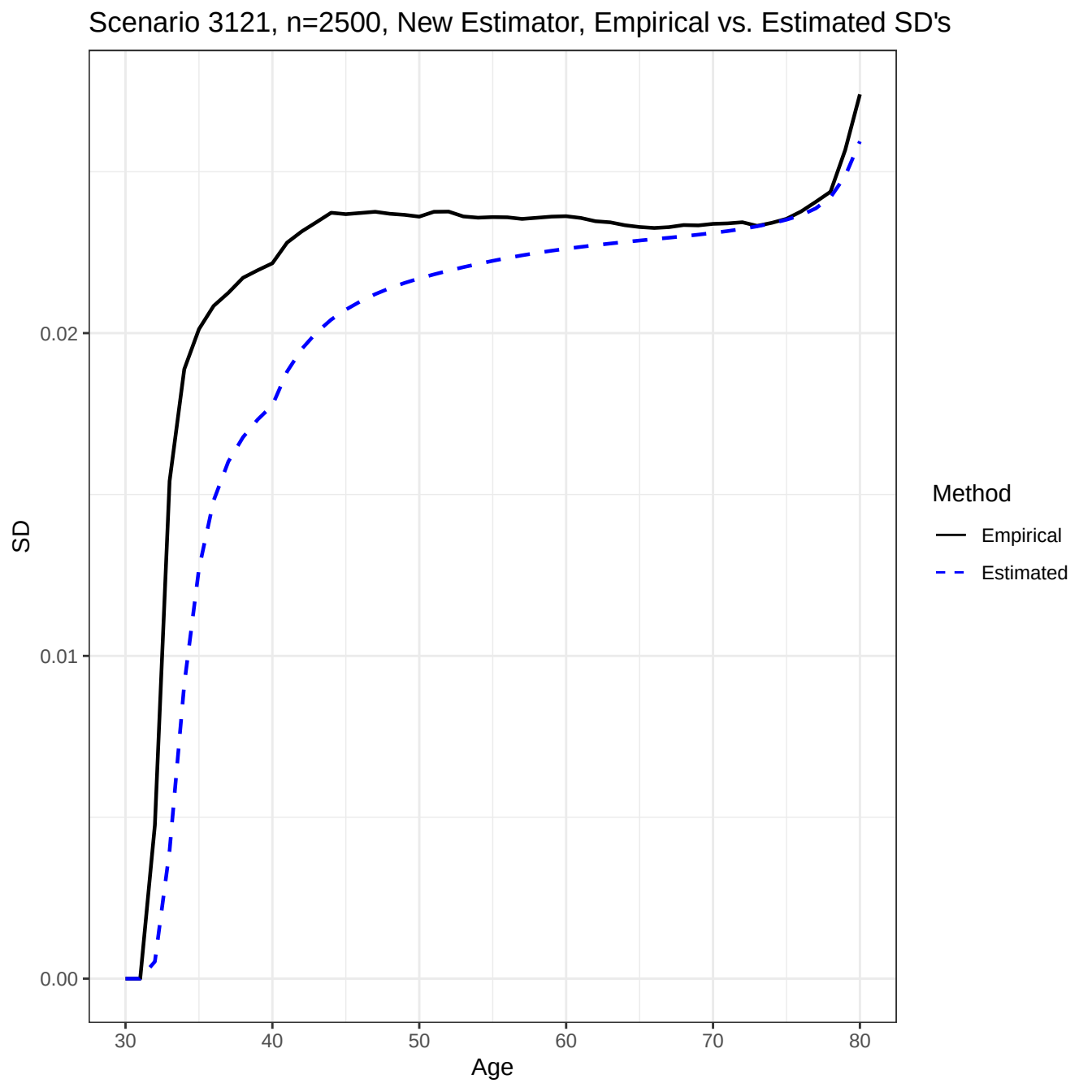

Scenario 3121, n=2500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

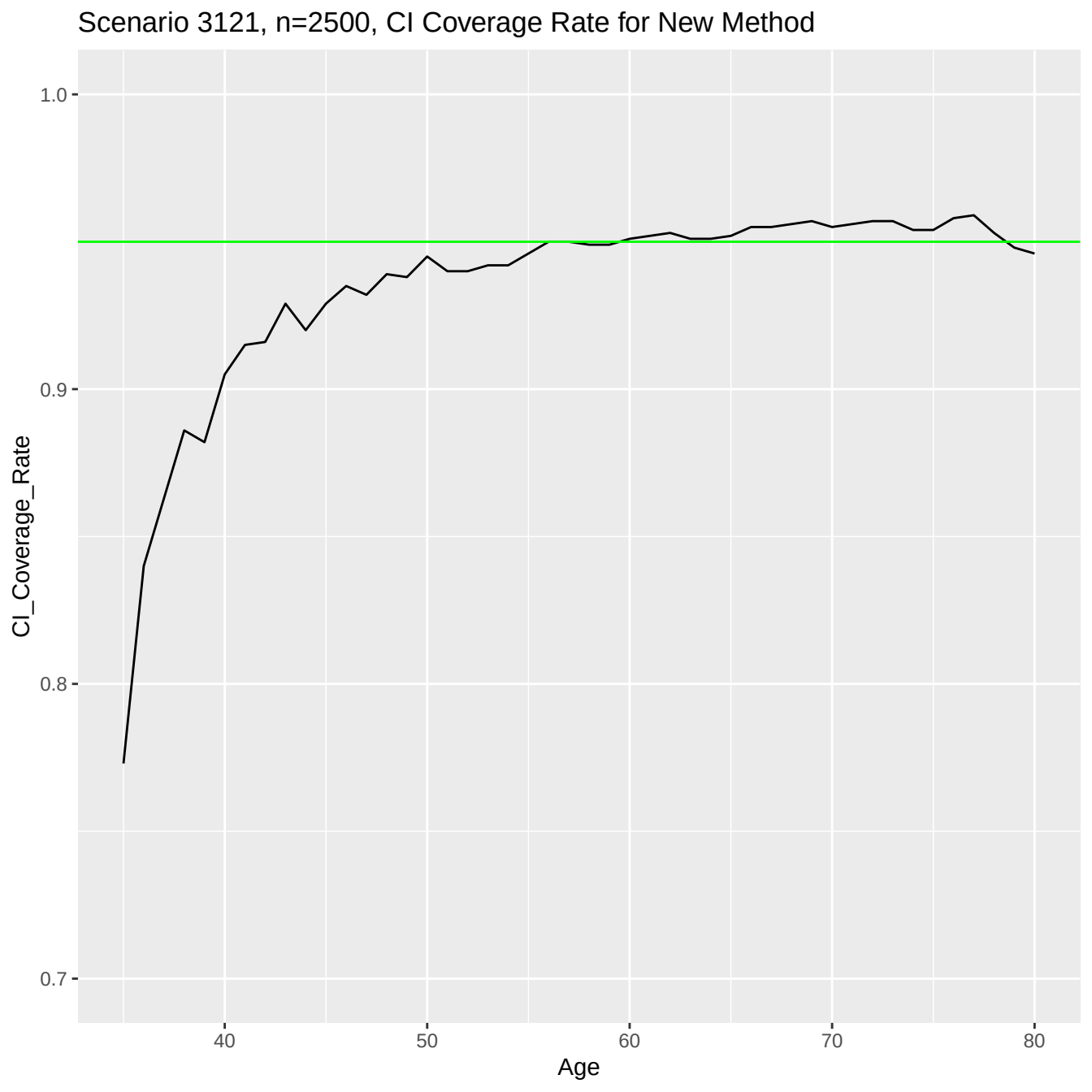

Scenario 3121, n=2500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

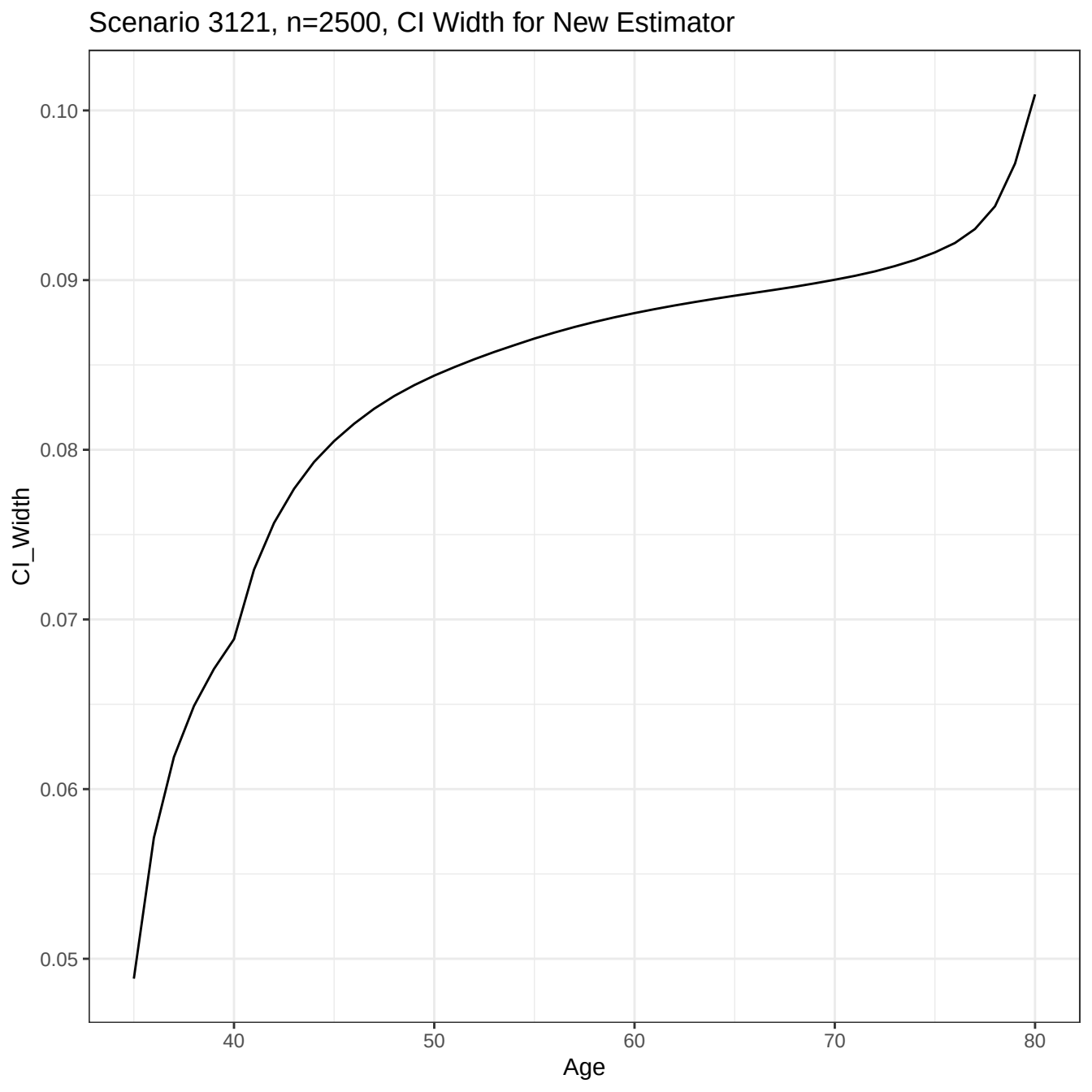

Scenario 3121, n=2500, SD'S
SD
0.02
0.01
0.00
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3121, n=2500, IQR'S
0.03
0.02
0.01
0.00
IQR
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3121, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3121, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.02
0.01
0.00
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3121, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3121, n=2500, CI Width for New Estimator
CI_Width
0.10
0.09
0.08
0.07
0.06
0.05
40
50
60
70
80
Age

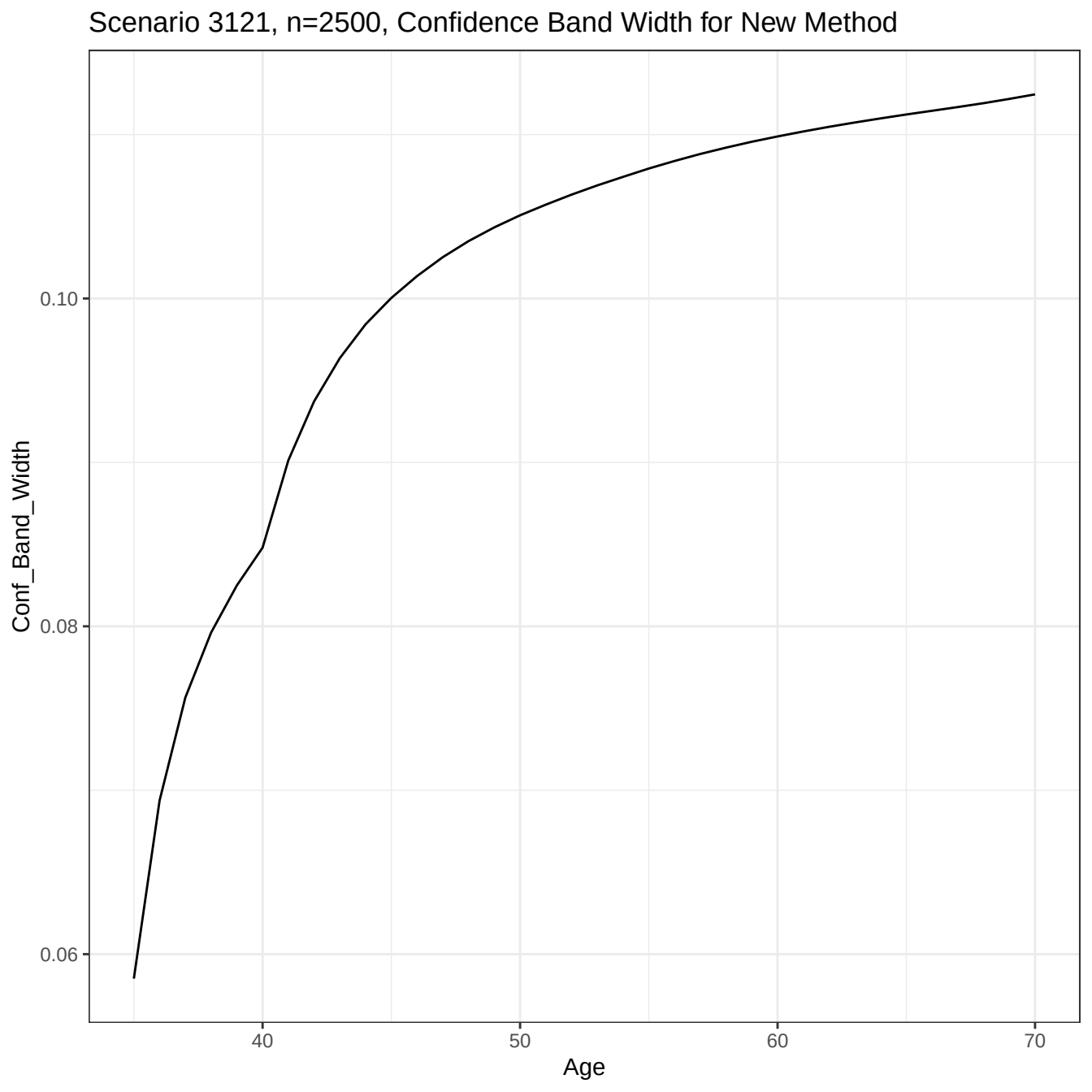
CONFIDENCE BAND COVERAGE RATES

Scenario: 3121

AJ0: 0

AJ: 0.173

New: 0.77


Scenario 3121, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.10
0.08
0.06
40
50
60
70
Age

SETTINGS

Scenario: 3122

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

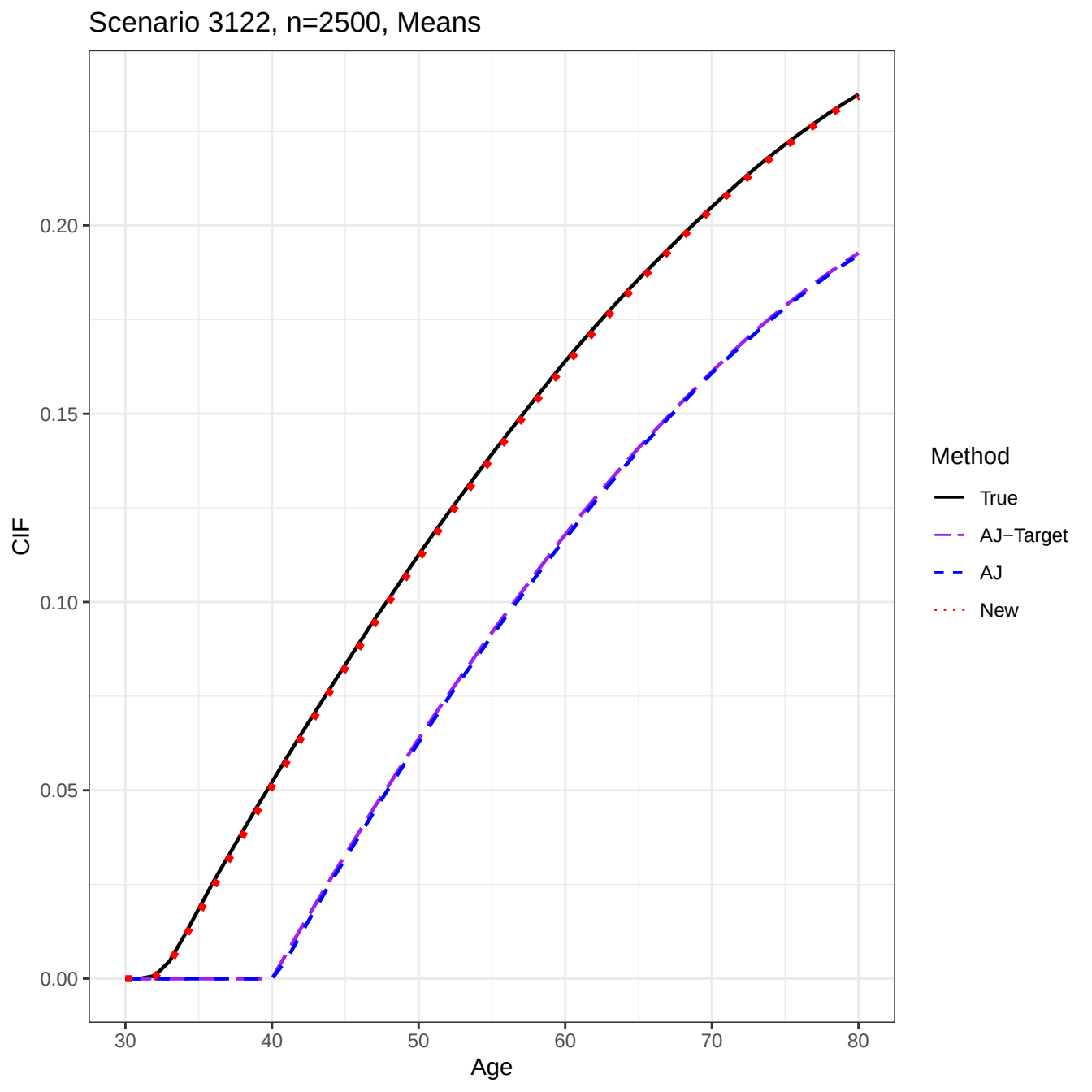
transformation: 0.5*pi − asin(sqrt(1−u))

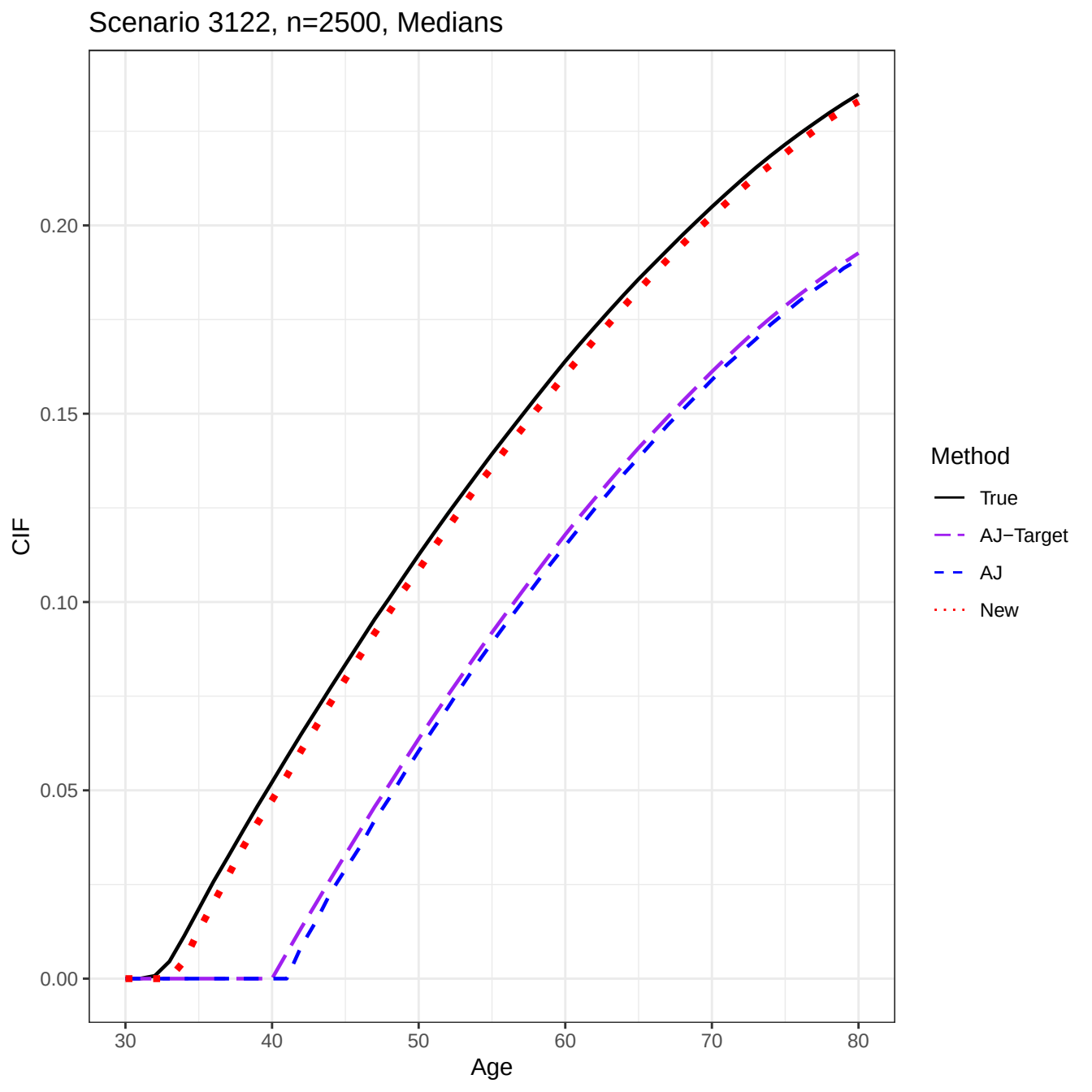
pointwise CI's done by: normal−theory

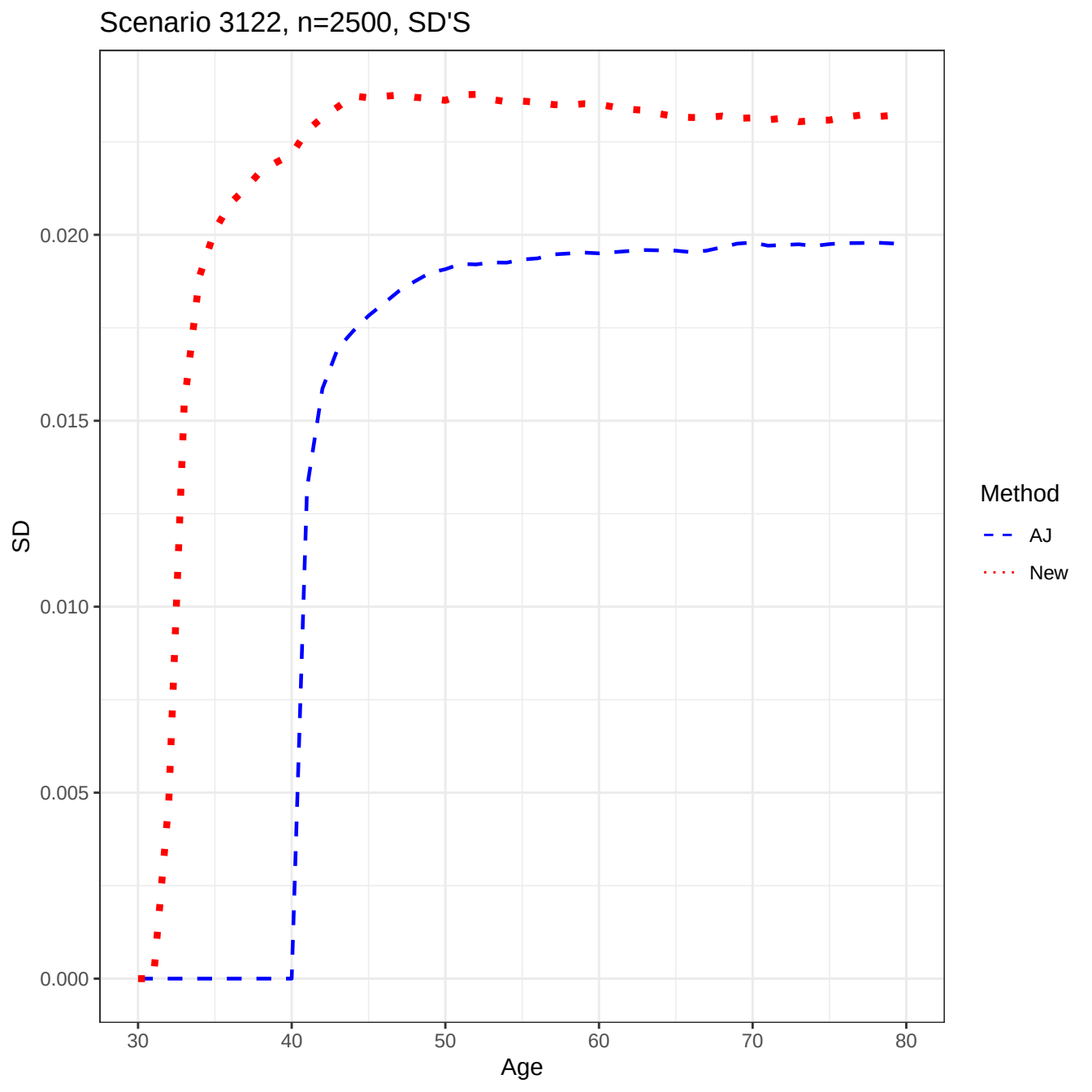
auxflg = FALSE

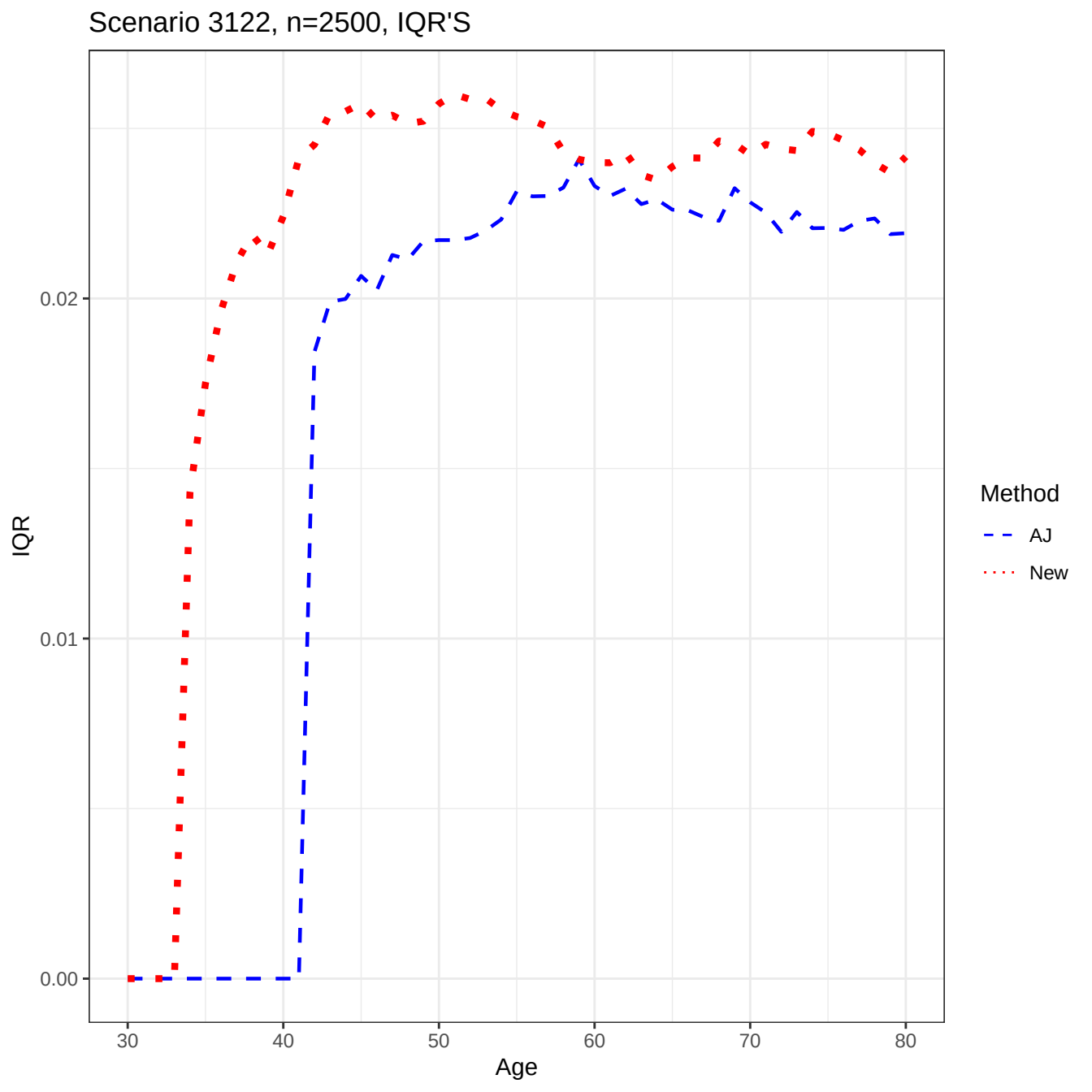
bootstrap weights: normal

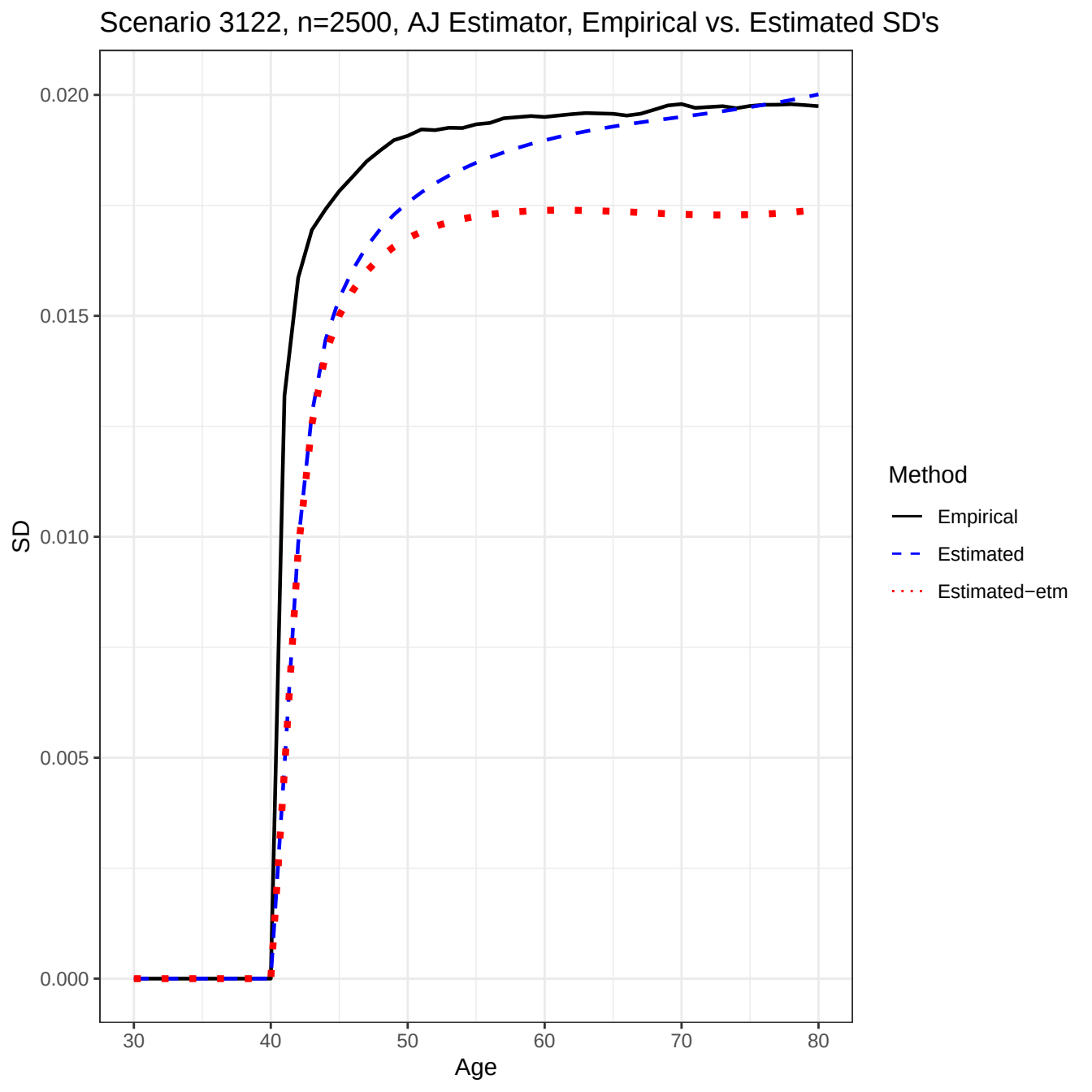
Date/Time: 2024−01−14 19:35:28.445116

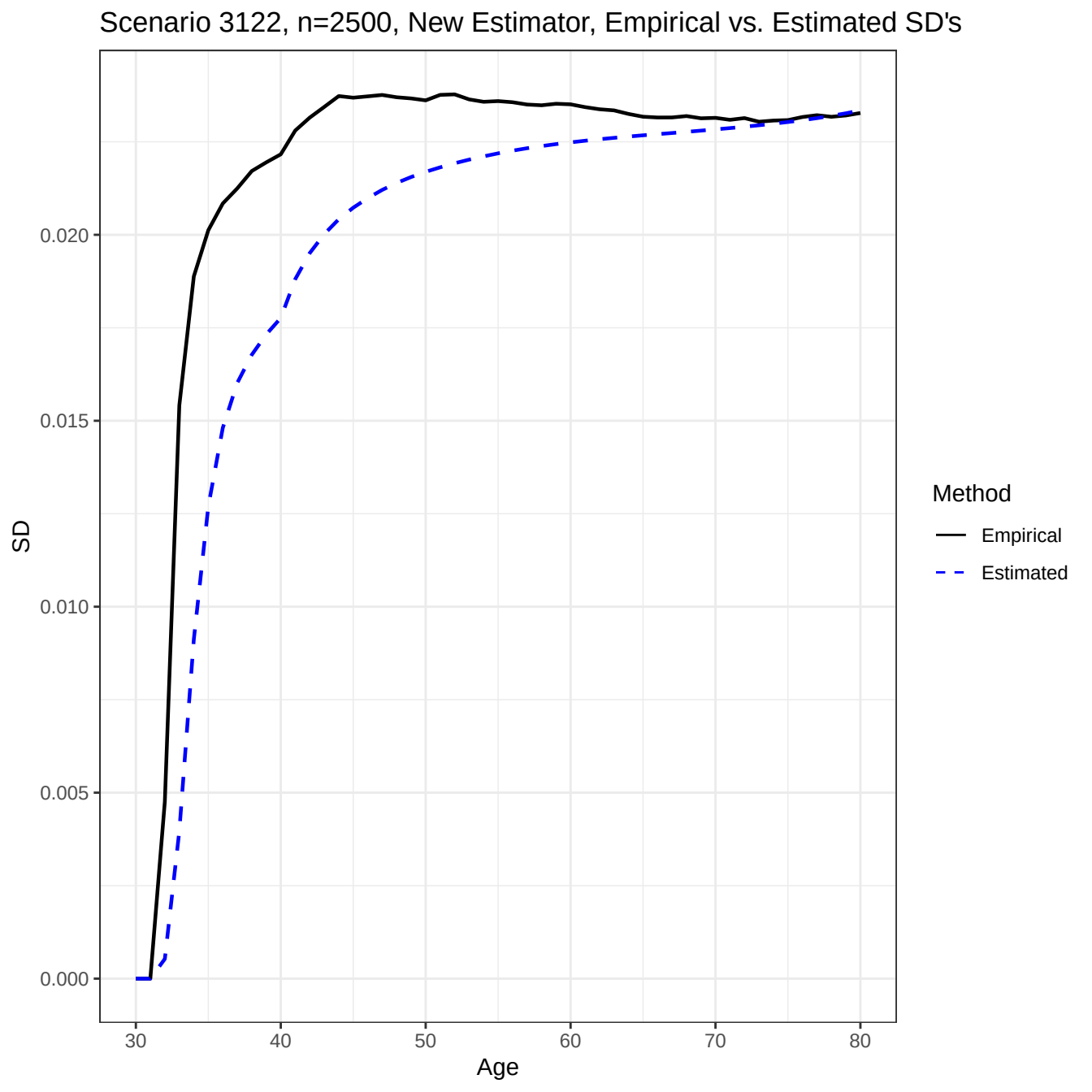

Scenario 3122, n=2500, Means
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

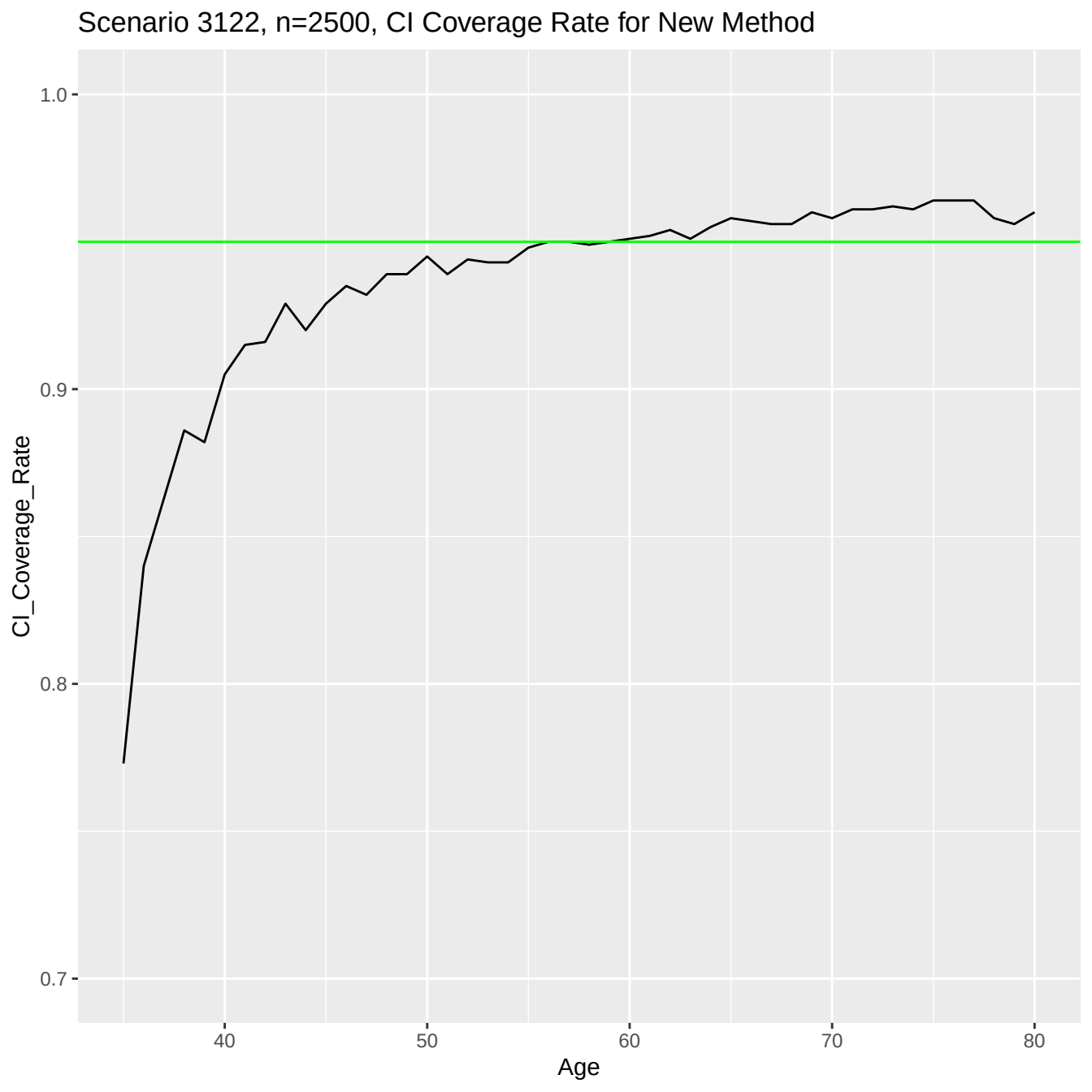

Scenario 3122, n=2500, Medians
CIF
0.00
0.05
0.10
0.15
0.20
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

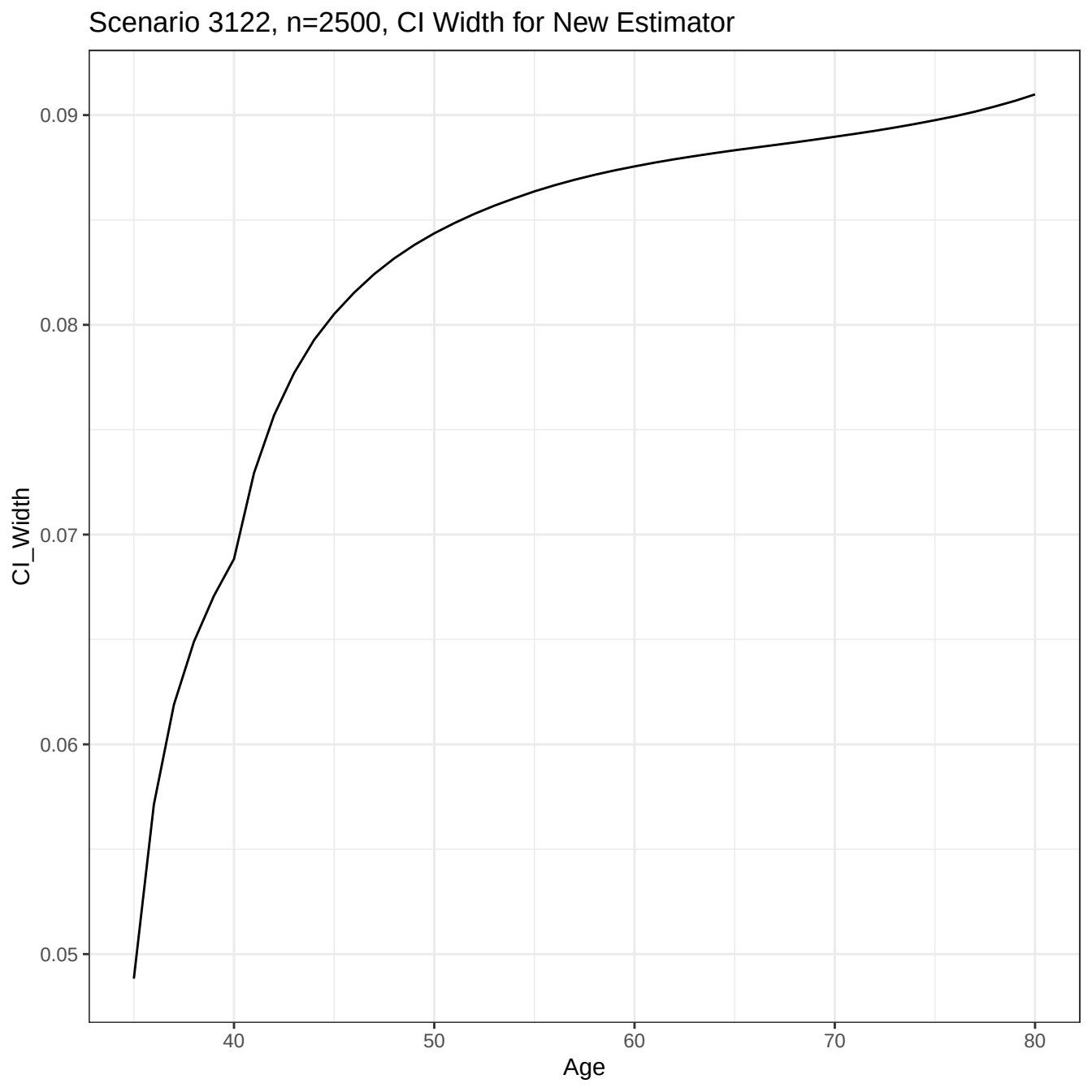

Scenario 3122, n=2500, SD'S
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3122, n=2500, IQR'S
IQR
0.02
0.01
0.00
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3122, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3122, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3122, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3122, n=2500, CI Width for New Estimator
CI_Width
0.09
0.08
0.07
0.06
0.05
40
50
60
70
80
Age

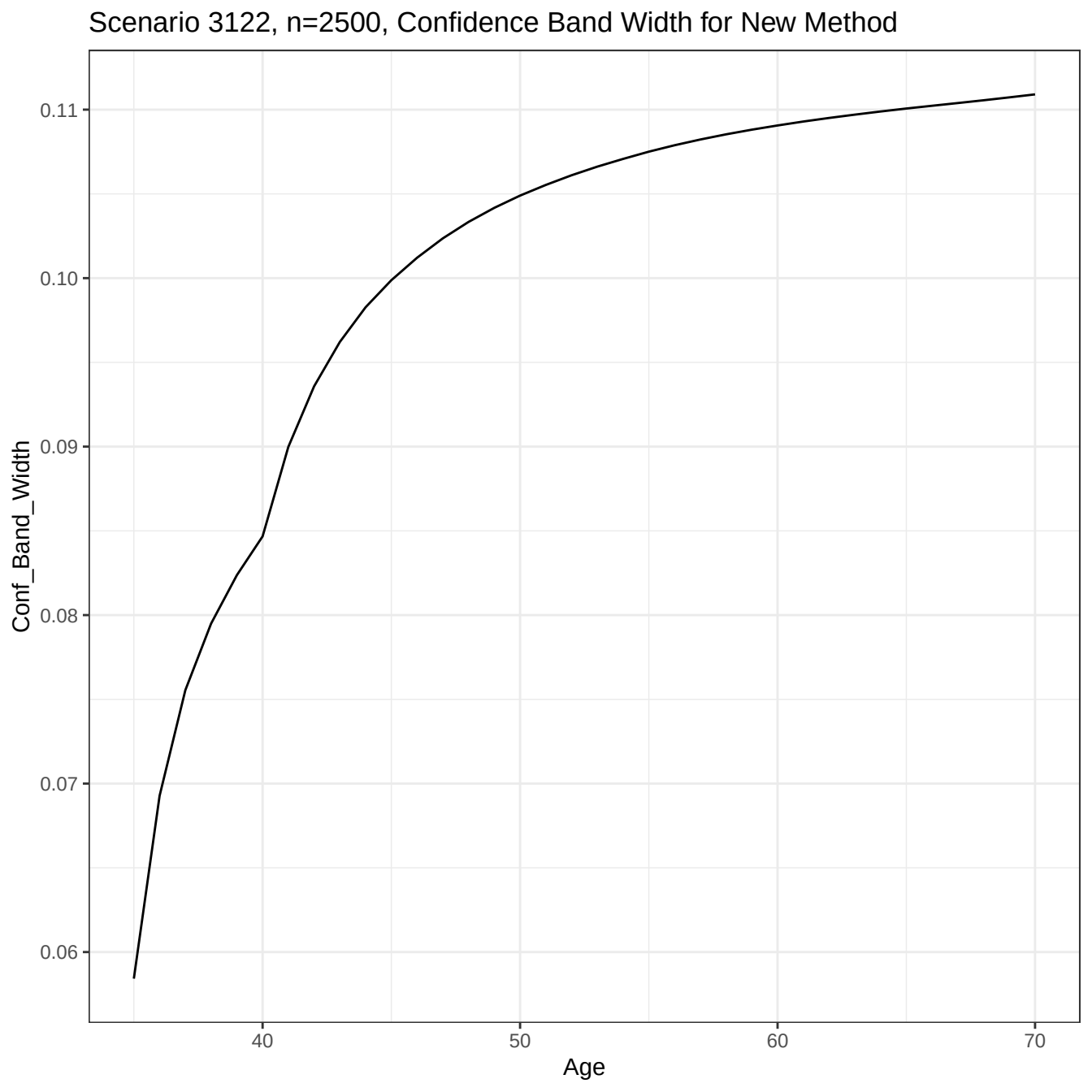
CONFIDENCE BAND COVERAGE RATES

Scenario: 3122

AJ0: 0

AJ: 0.172

New: 0.769


Scenario 3122, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.11
0.10
0.09
0.08
0.07
0.06
40
50
60
70
Age

SETTINGS

Scenario: 3211

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

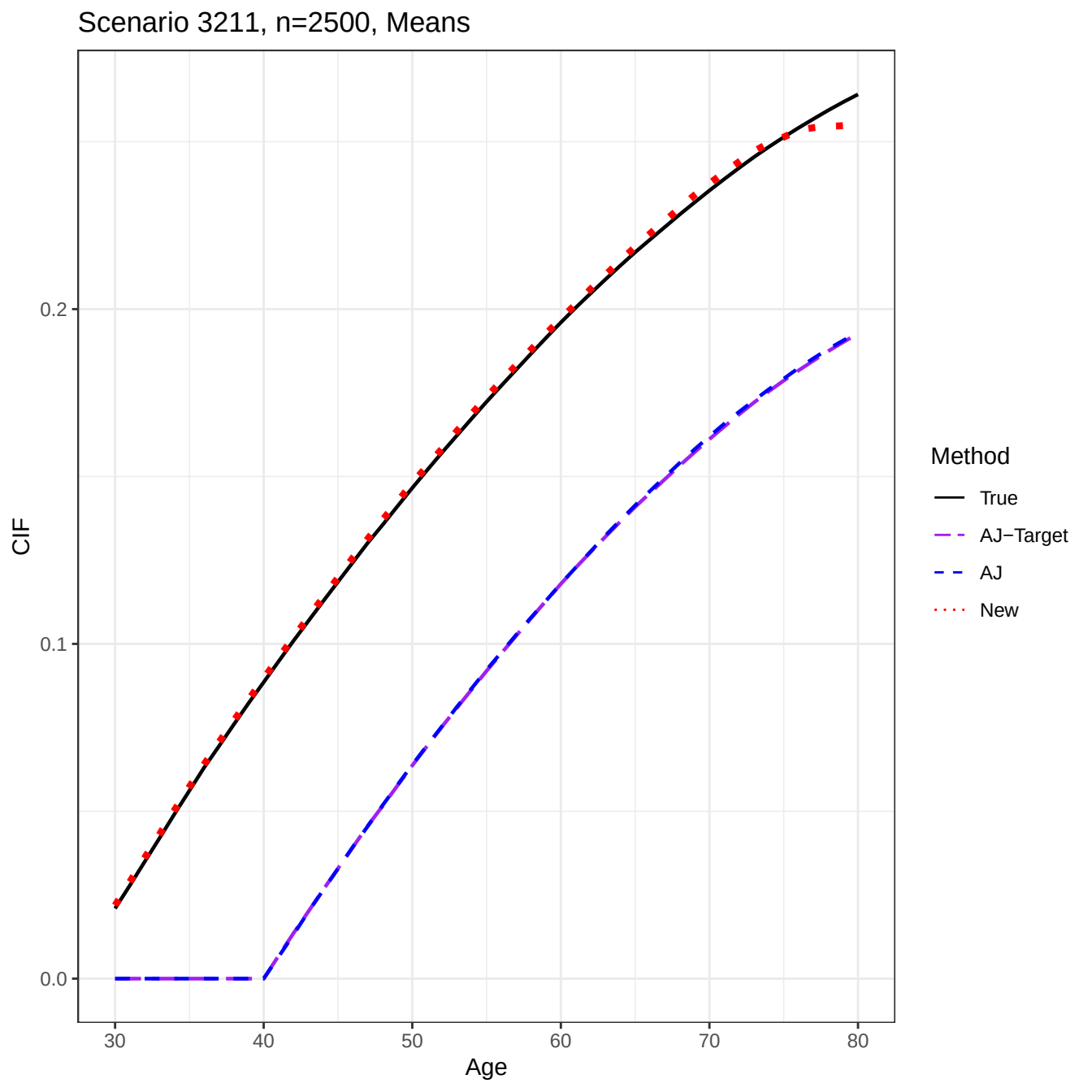
transformation: 0.5*pi − asin(sqrt(1−u))

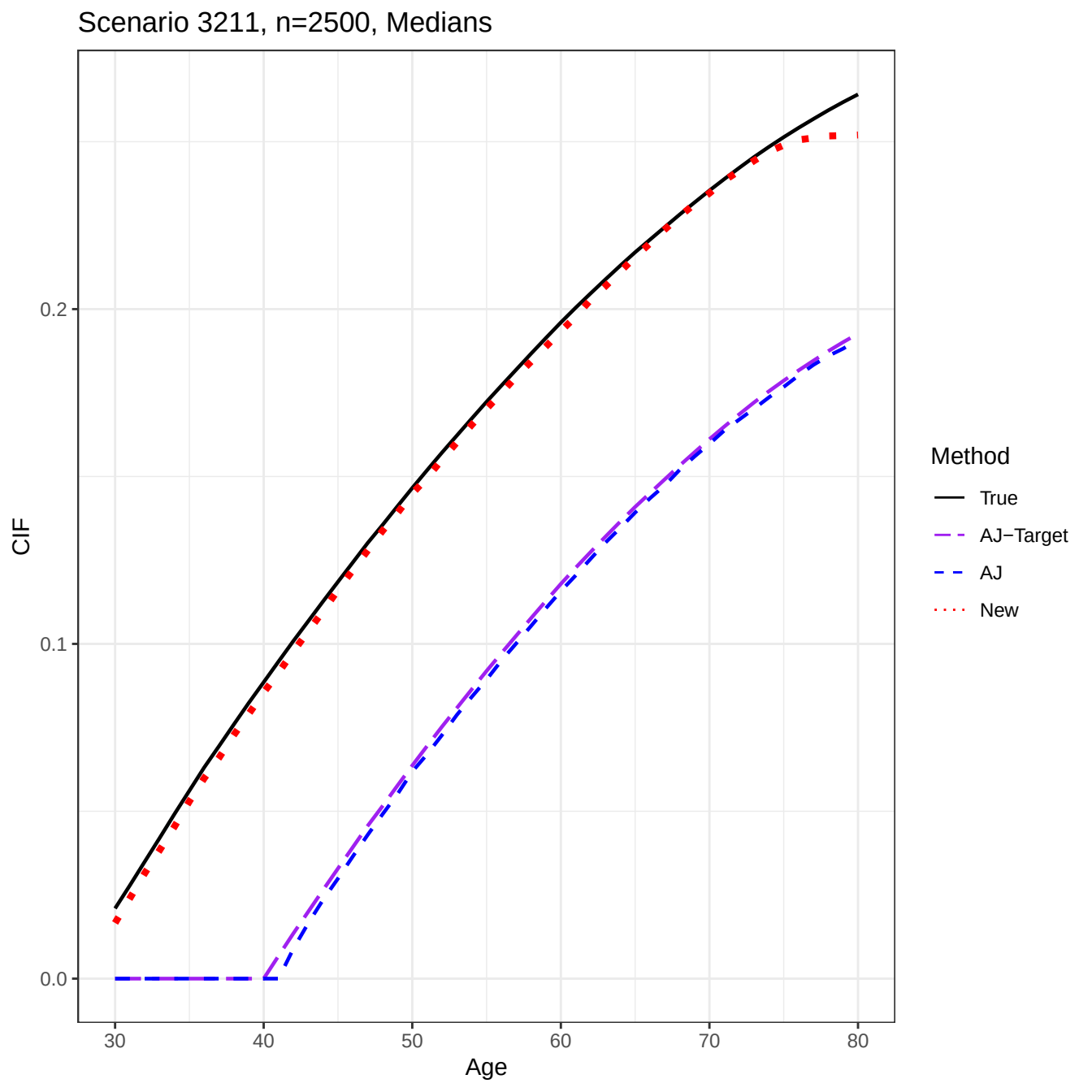
pointwise CI's done by: normal−theory

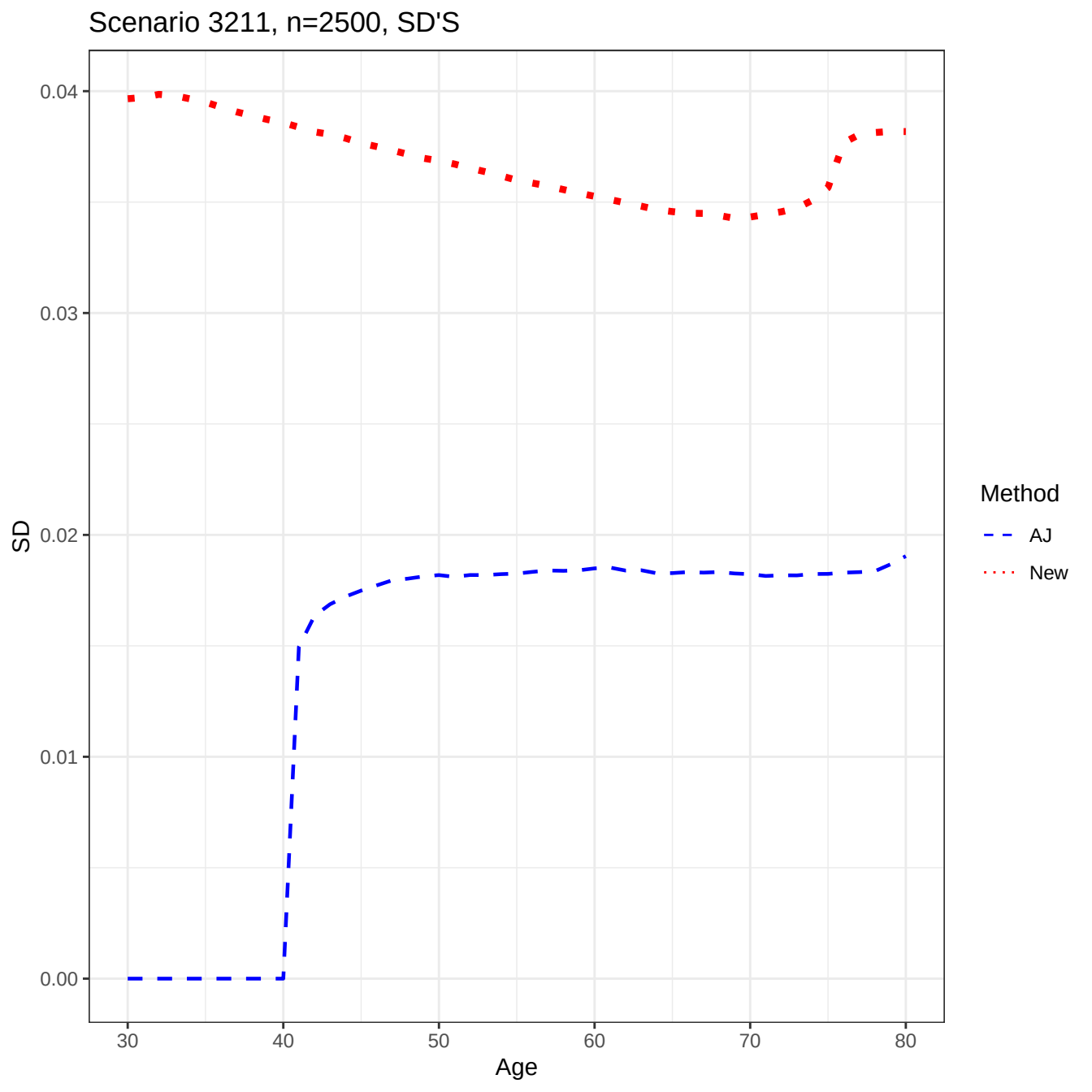
auxflg = FALSE

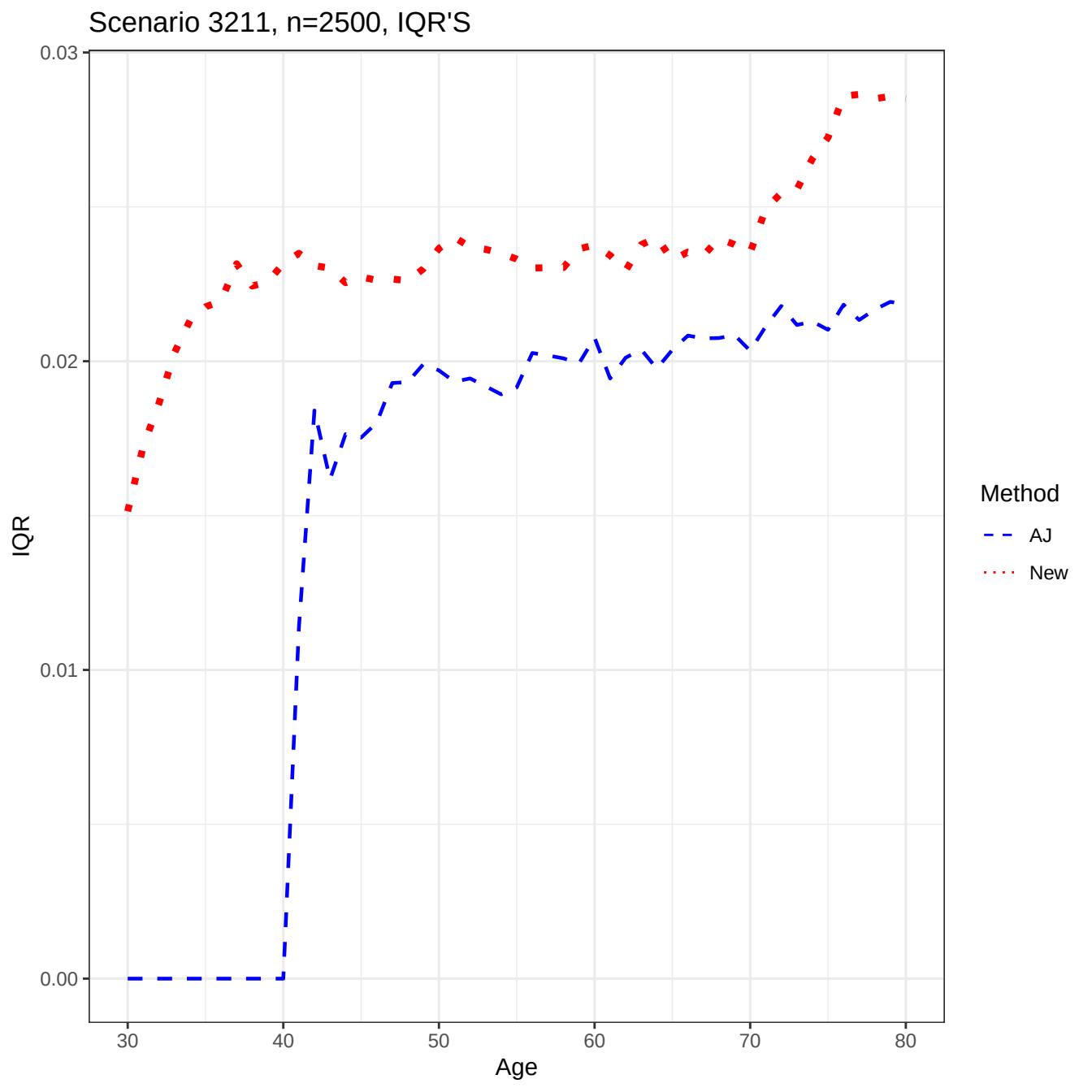
bootstrap weights: normal

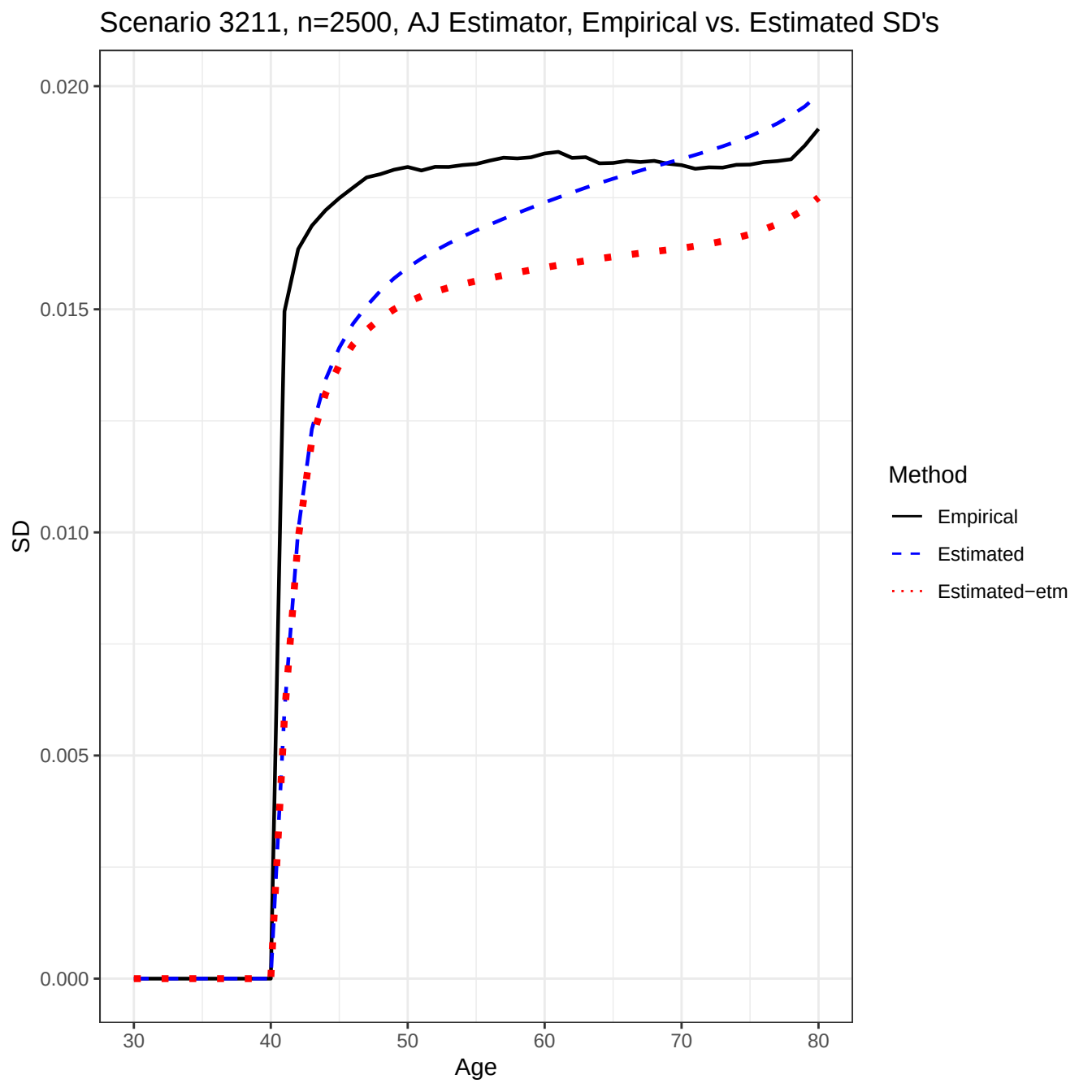
Date/Time: 2024−01−14 20:05:26.317508

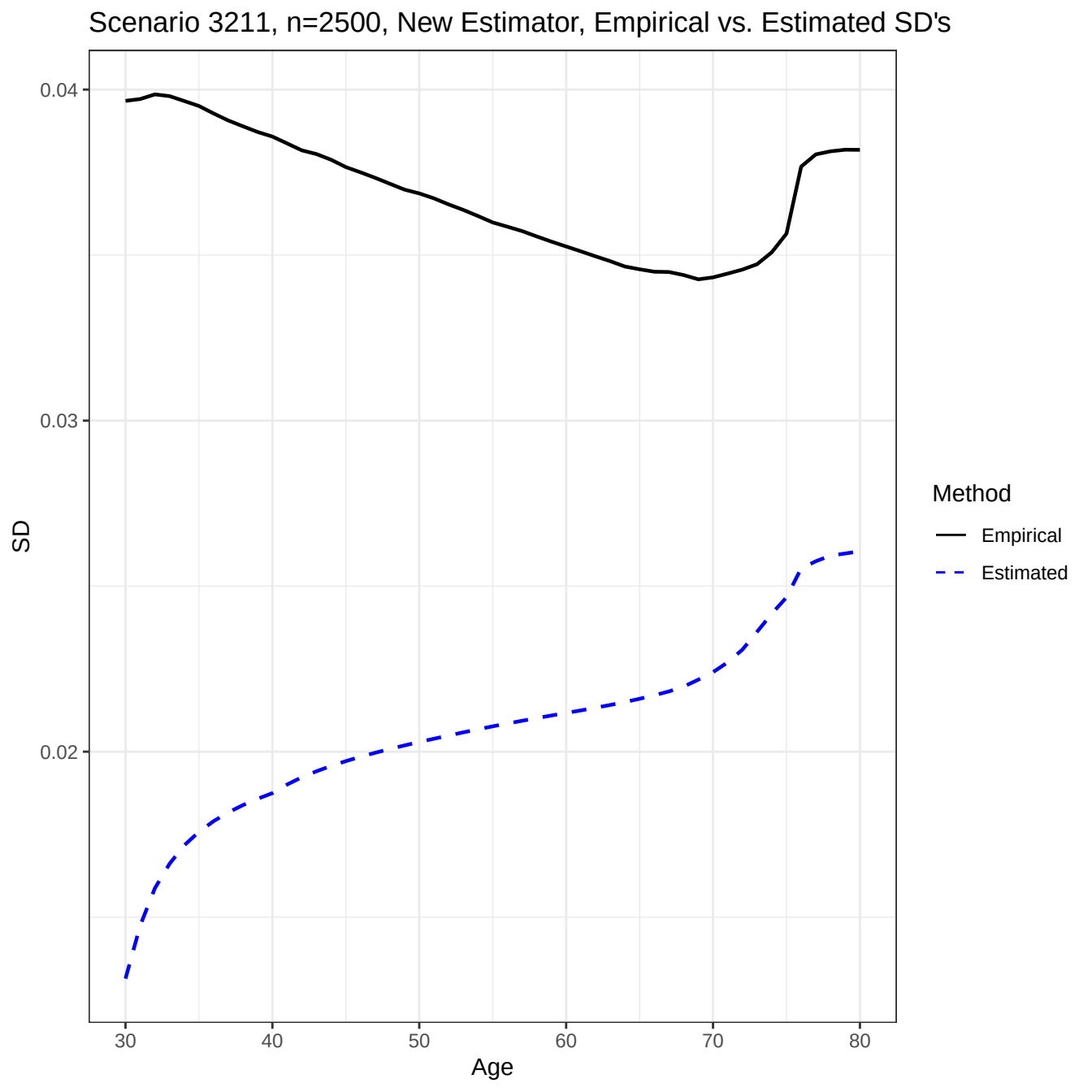

Scenario 3211, n=2500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

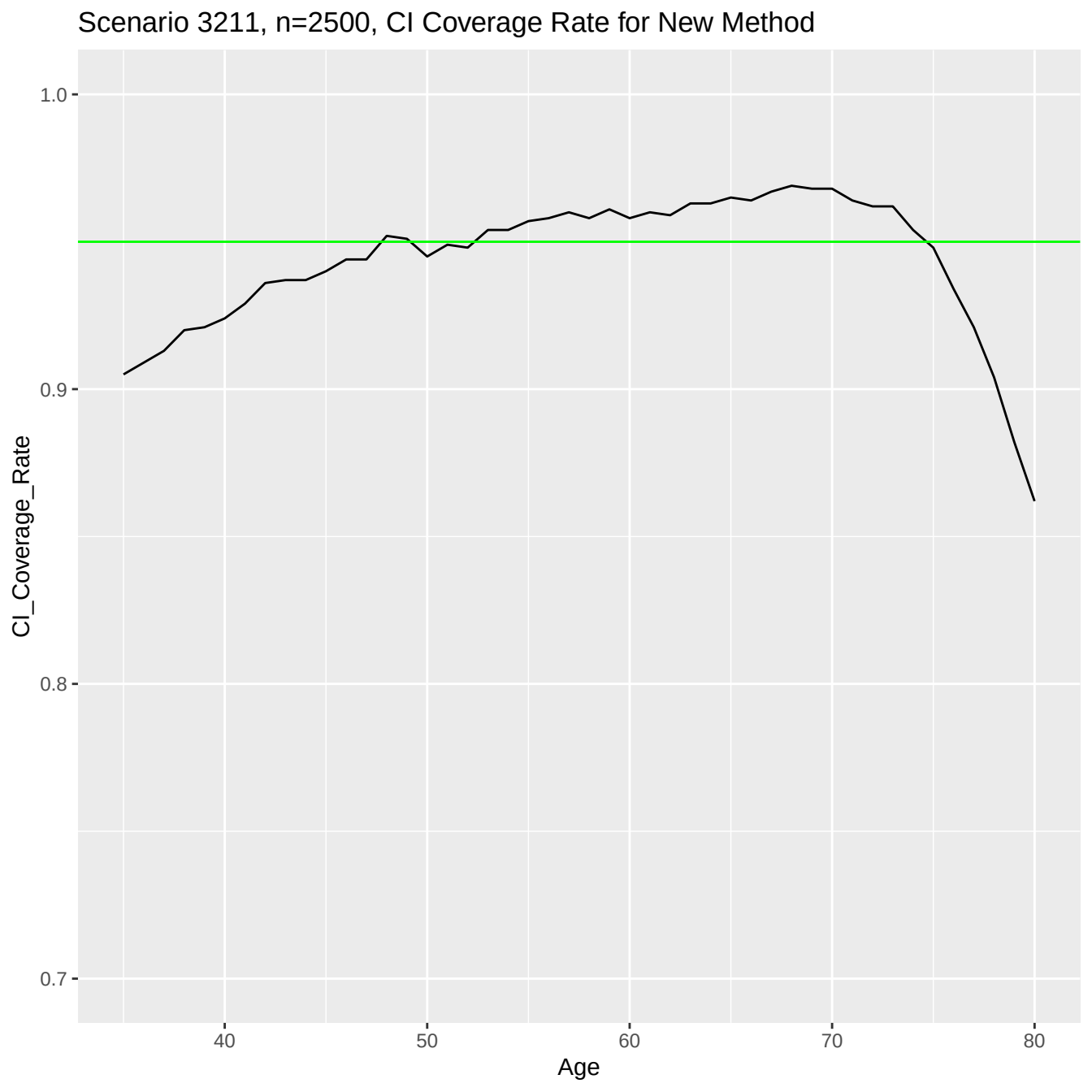

Scenario 3211, n=2500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

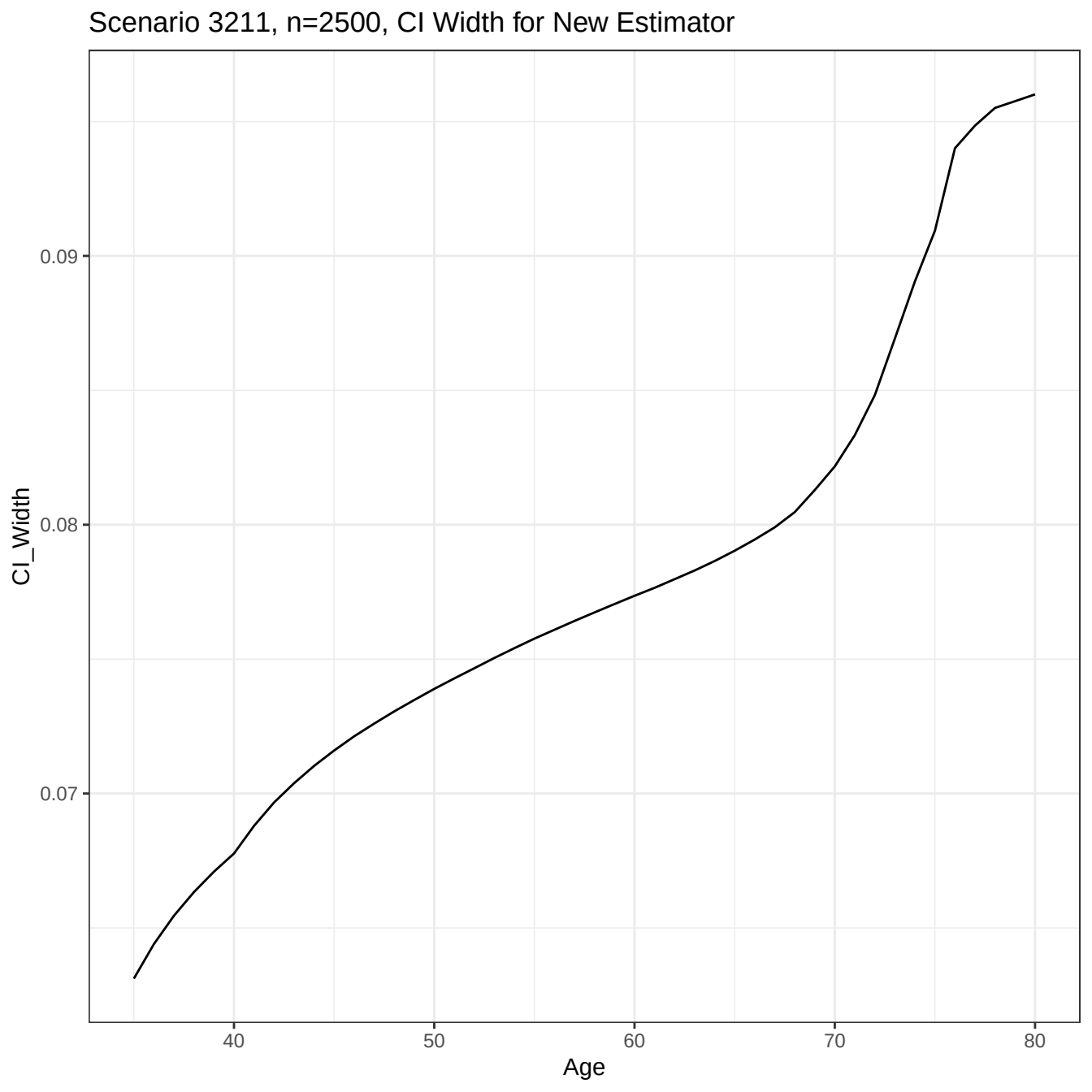

Scenario 3211, n=2500, SD'S
0.04
0.03
0.02
0.01
0.00
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3211, n=2500, IQR'S
0.03
0.02
0.01
0.00
IQR
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3211, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3211, n=2500, New Estimator, Empirical vs. Estimated SD's
0.04
0.03
0.02
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3211, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3211, n=2500, CI Width for New Estimator
CI_Width
0.09
0.08
0.07
40
50
60
70
80
Age

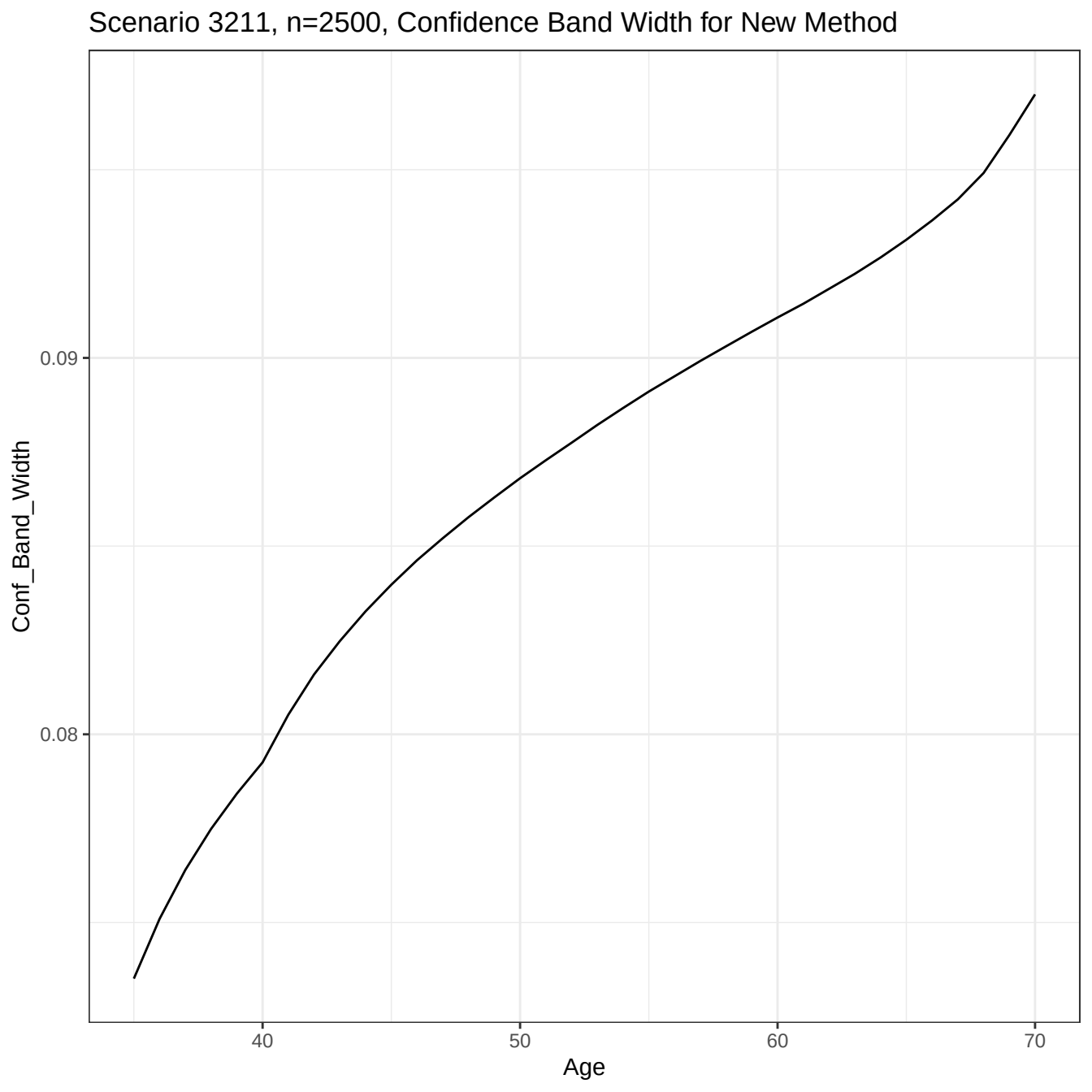
CONFIDENCE BAND COVERAGE RATES

Scenario: 3211

AJ0: 0

AJ: 0.289

New: 0.923


Scenario 3211, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.09
0.08
40
50
60
70
Age

SETTINGS

Scenario: 3212

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

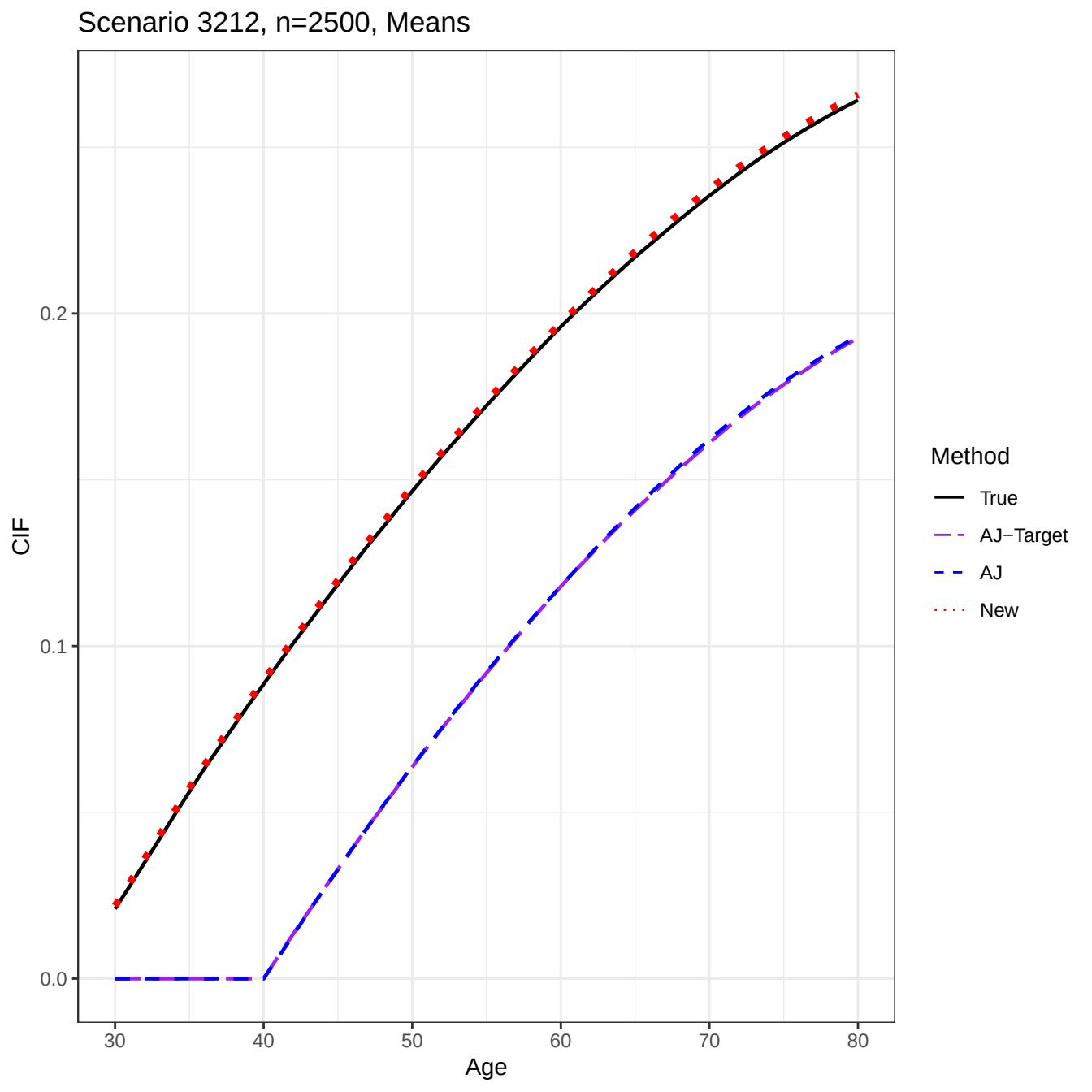
transformation: 0.5*pi − asin(sqrt(1−u))

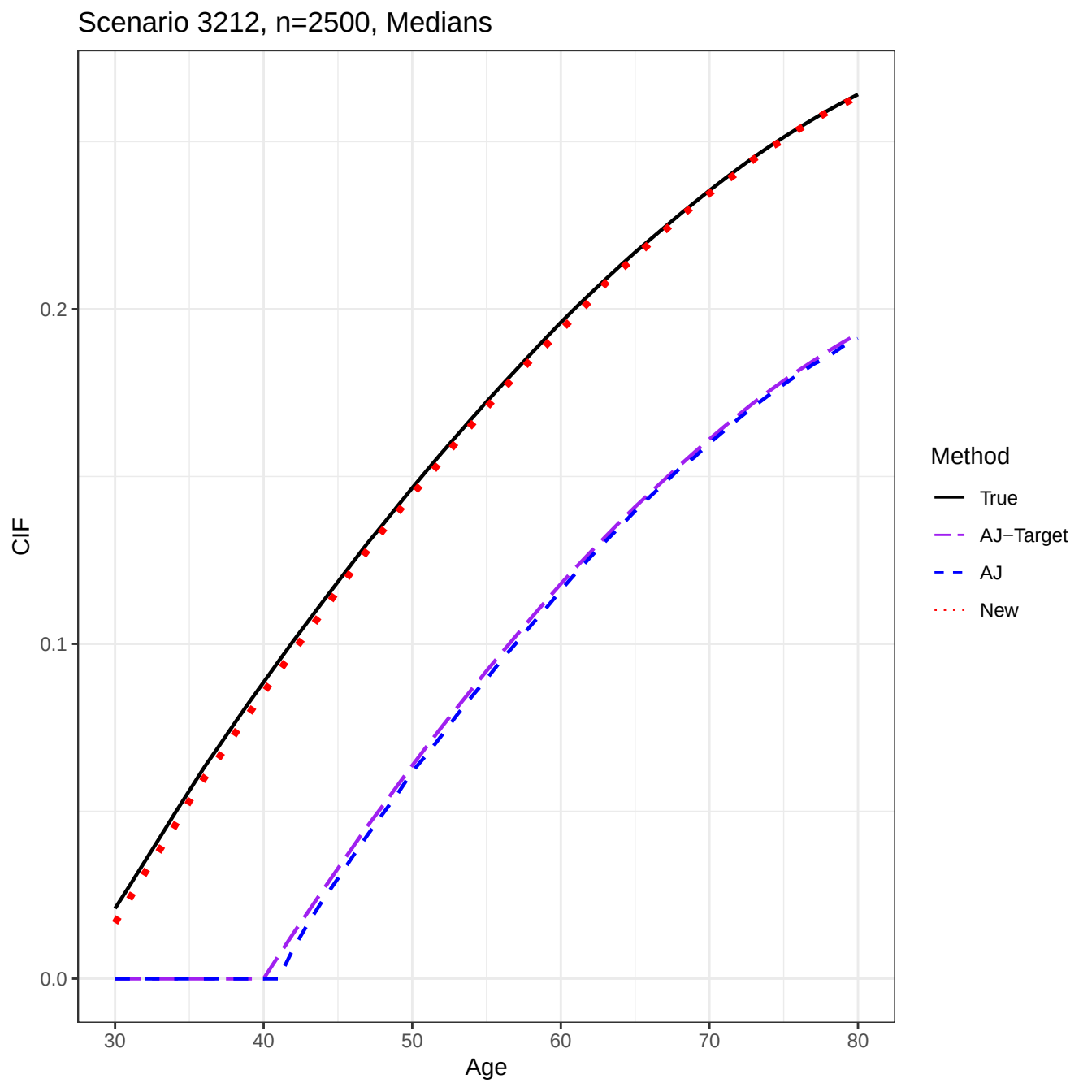
pointwise CI's done by: normal−theory

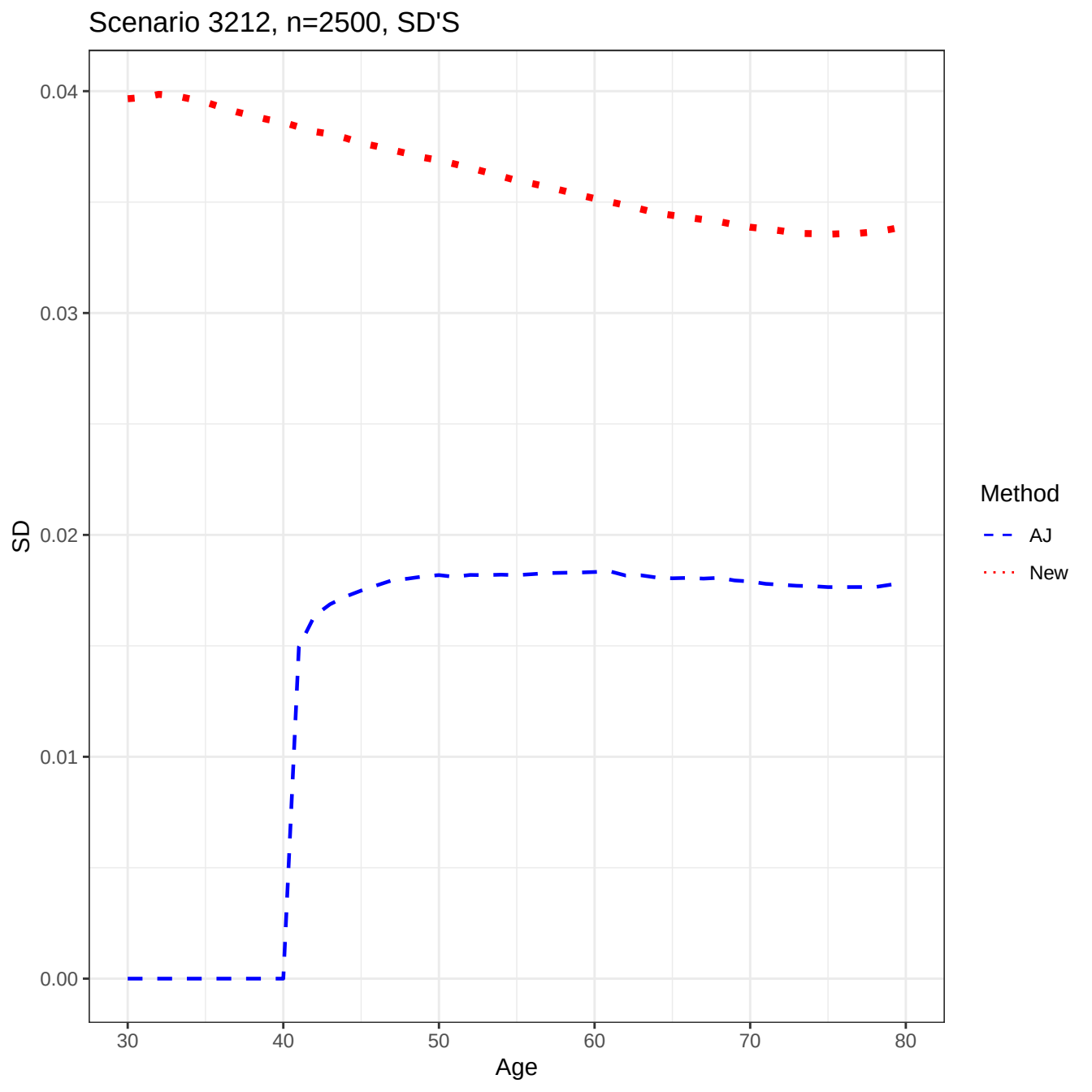
auxflg = FALSE

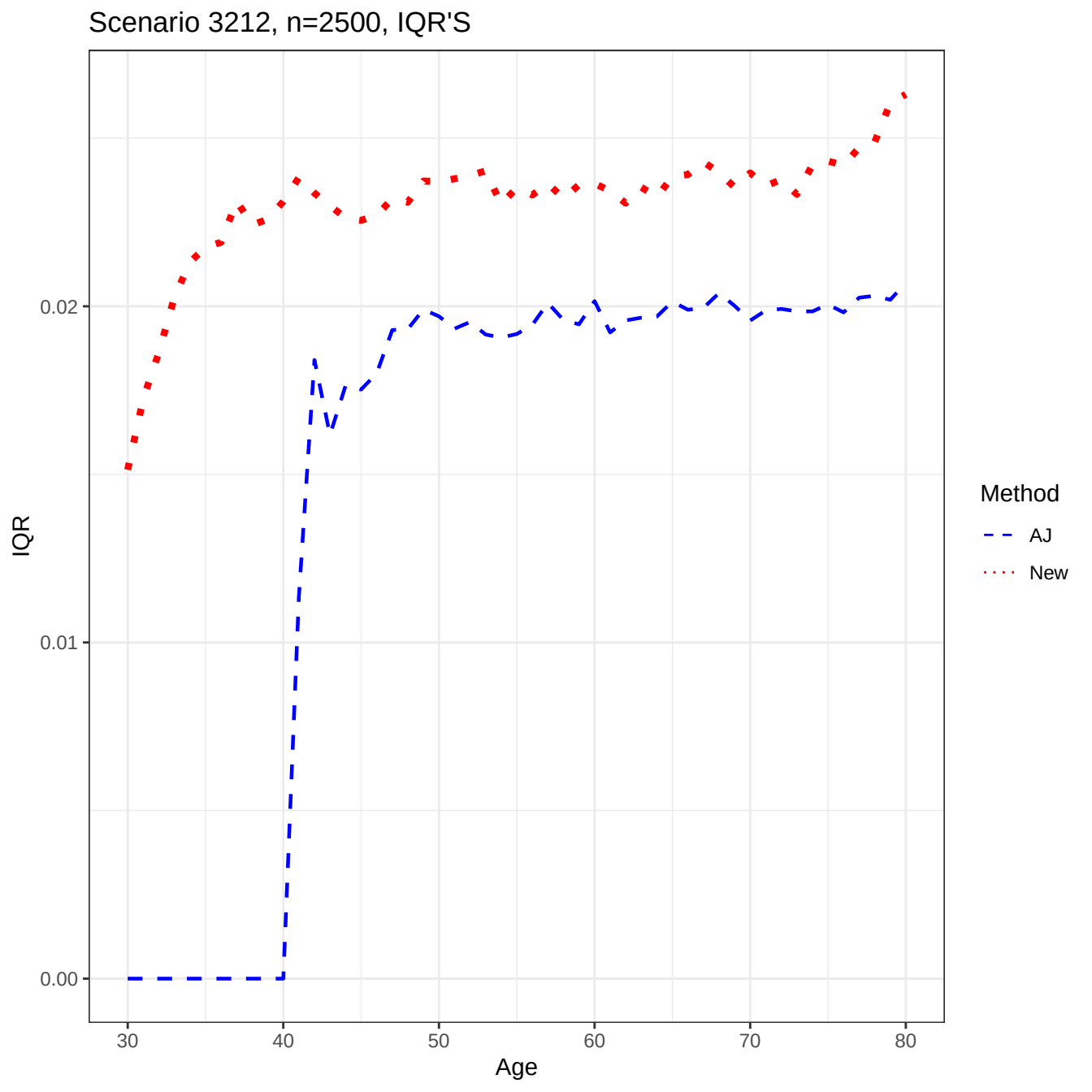
bootstrap weights: normal

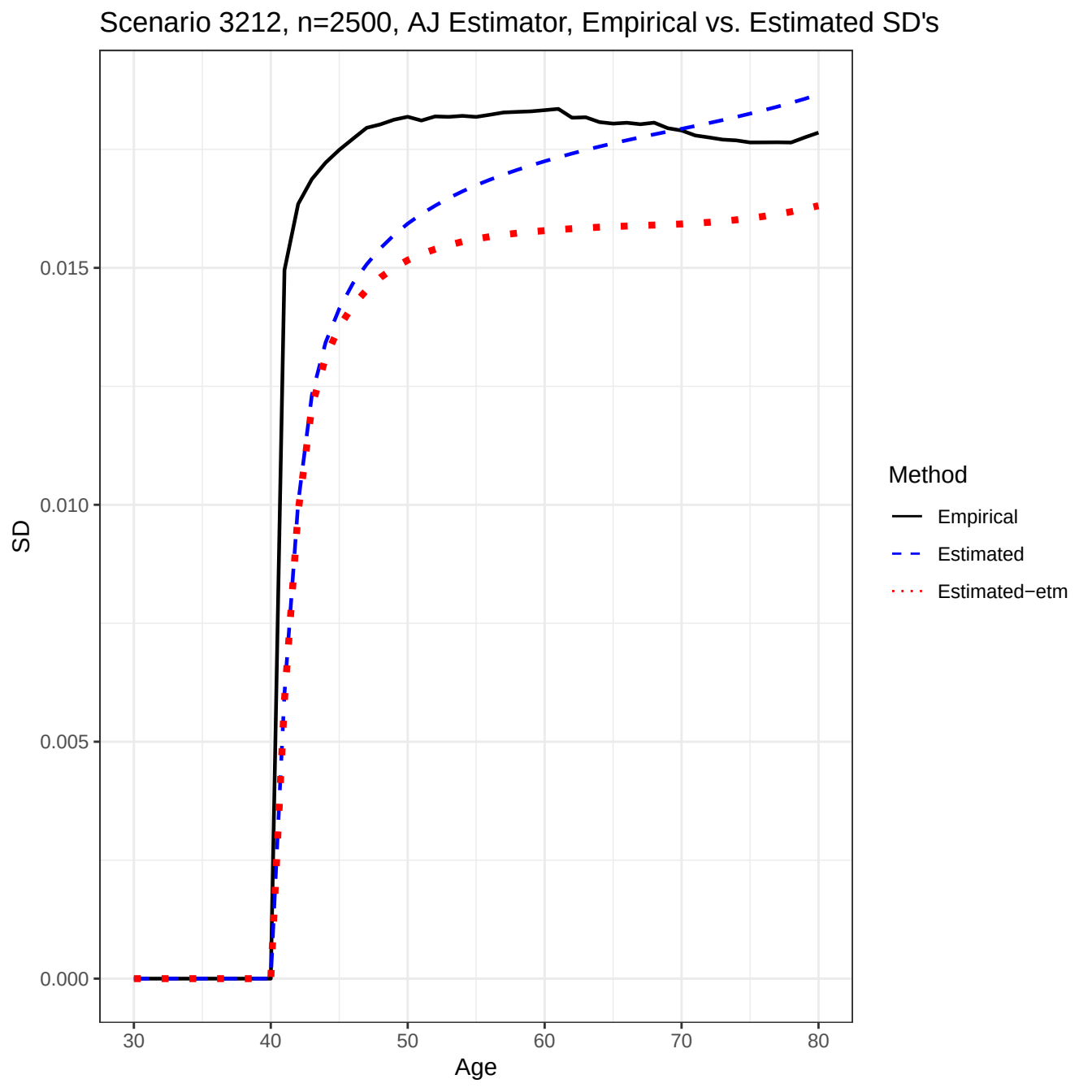
Date/Time: 2024−01−14 20:38:02.060127

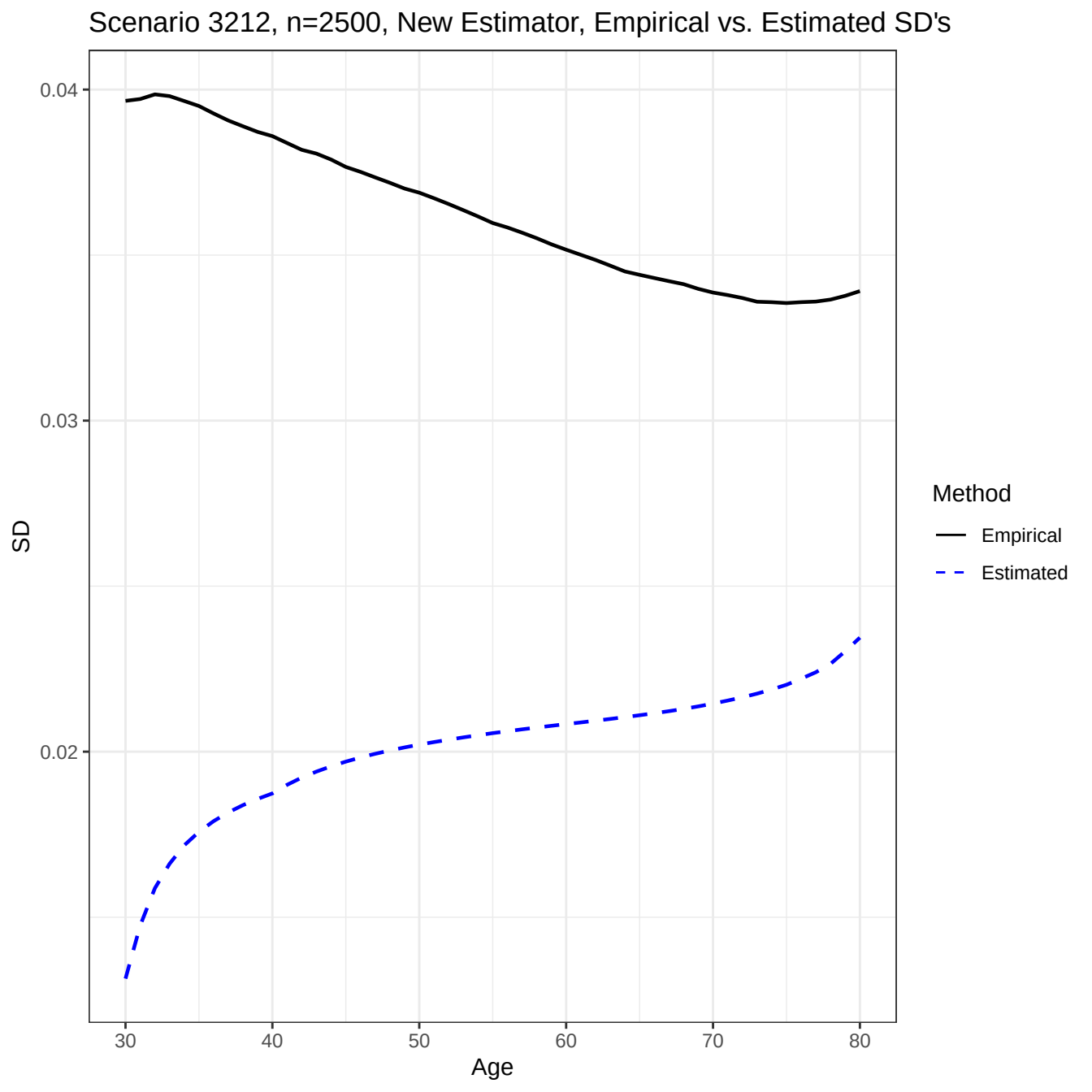

Scenario 3212, n=2500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

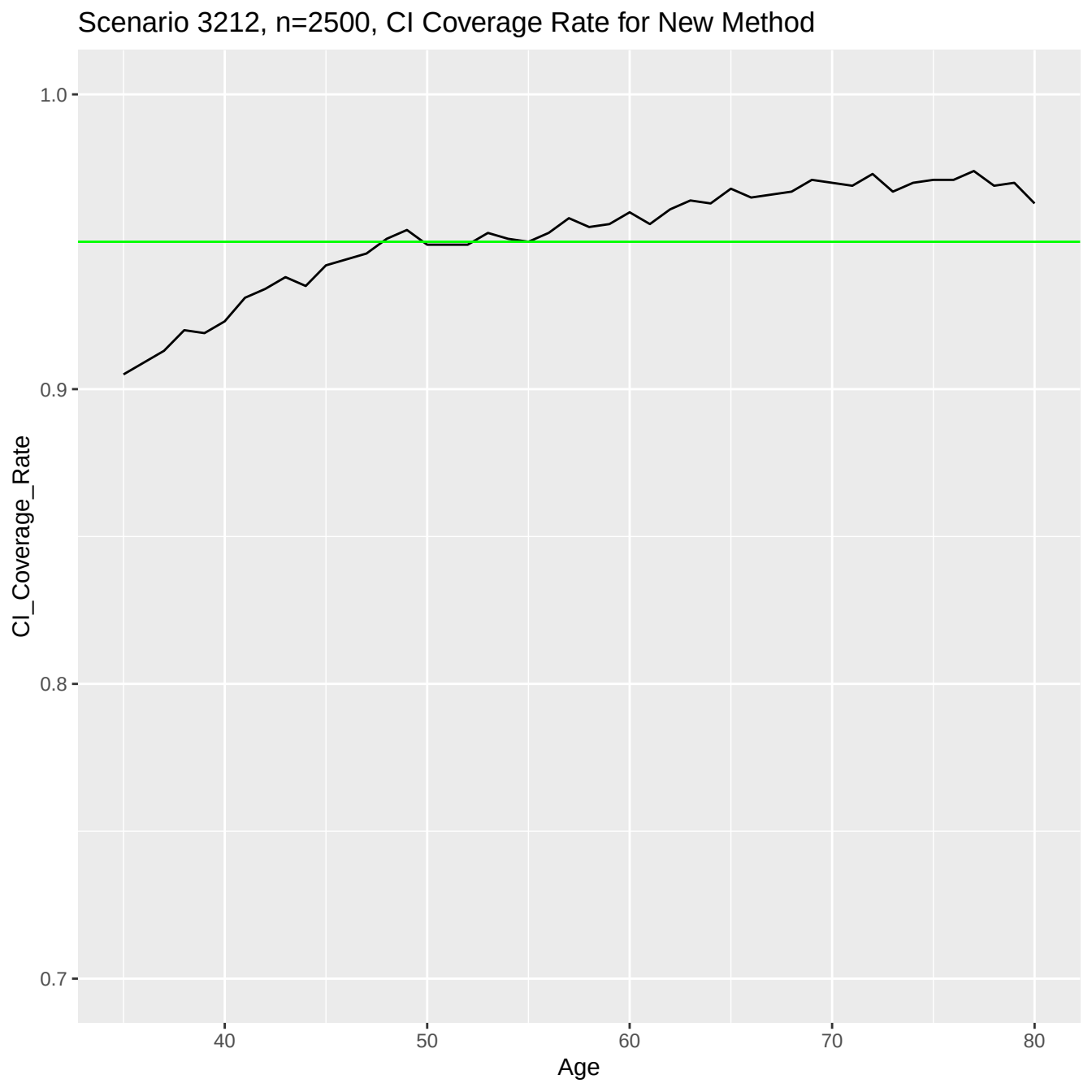

Scenario 3212, n=2500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

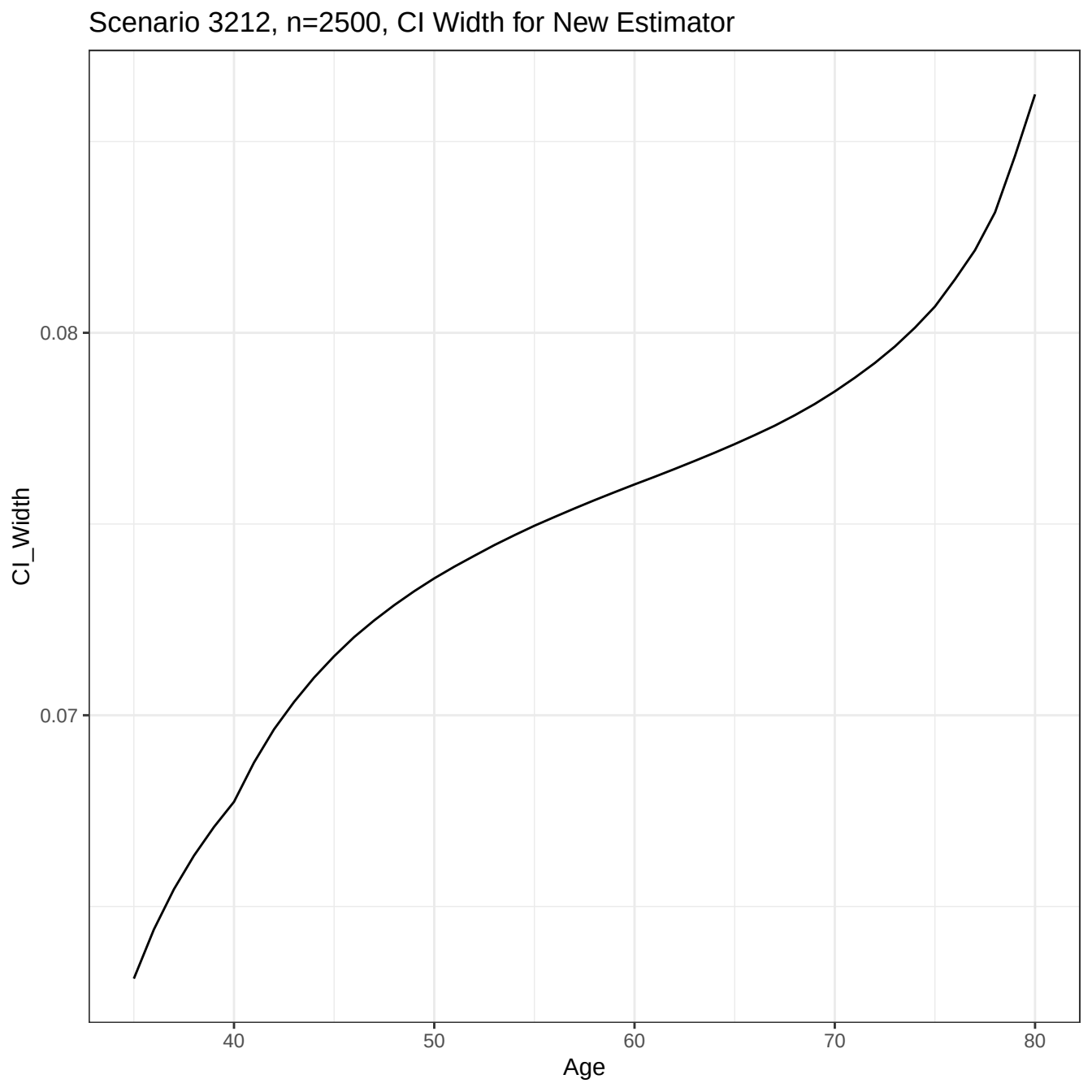

Scenario 3212, n=2500, SD'S
0.04
0.03
0.02
0.01
0.00
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3212, n=2500, IQR'S
IQR
0.02
0.01
0.00
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3212, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.000
0.005
0.010
0.015
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3212, n=2500, New Estimator, Empirical vs. Estimated SD's
0.04
0.03
0.02
SD
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3212, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3212, n=2500, CI Width for New Estimator
CI_Width
0.08
0.07
40
50
60
70
80
Age

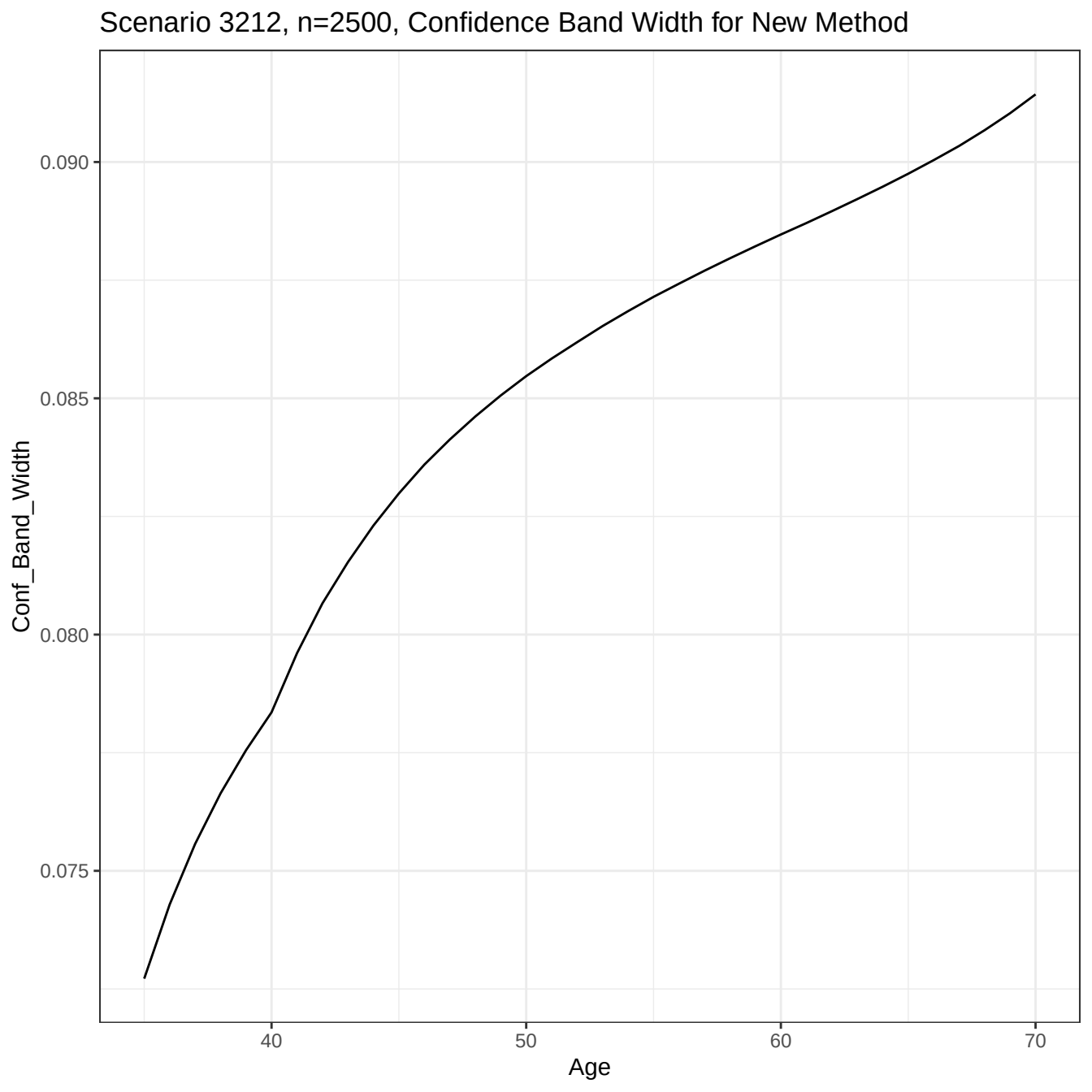
CONFIDENCE BAND COVERAGE RATES

Scenario: 3212

AJ0: 0

AJ: 0.288

New: 0.921


Scenario 3212, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.090
0.085
0.080
0.075
40
50
60
70
Age

SETTINGS

Scenario: 3221

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

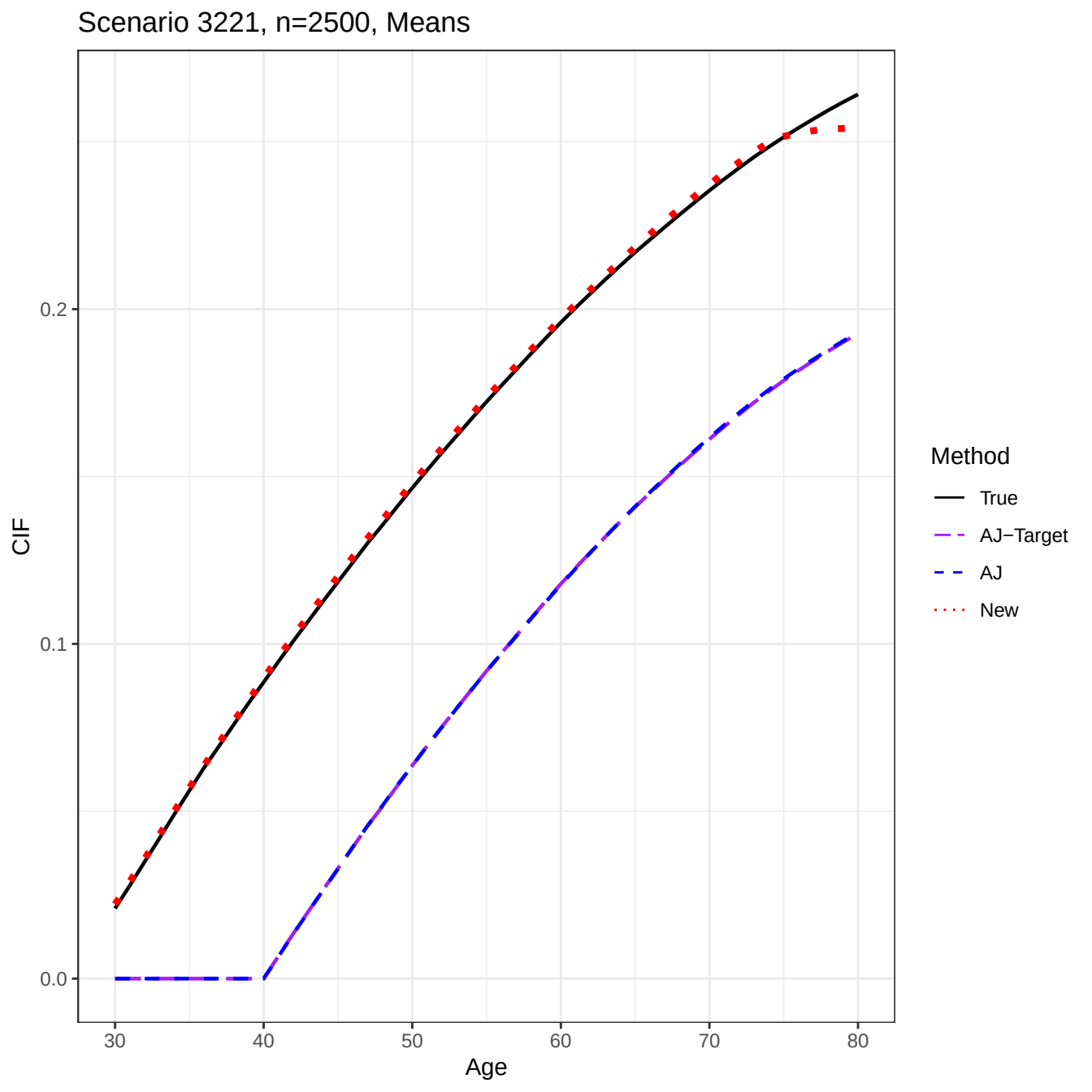
transformation: 0.5*pi − asin(sqrt(1−u))

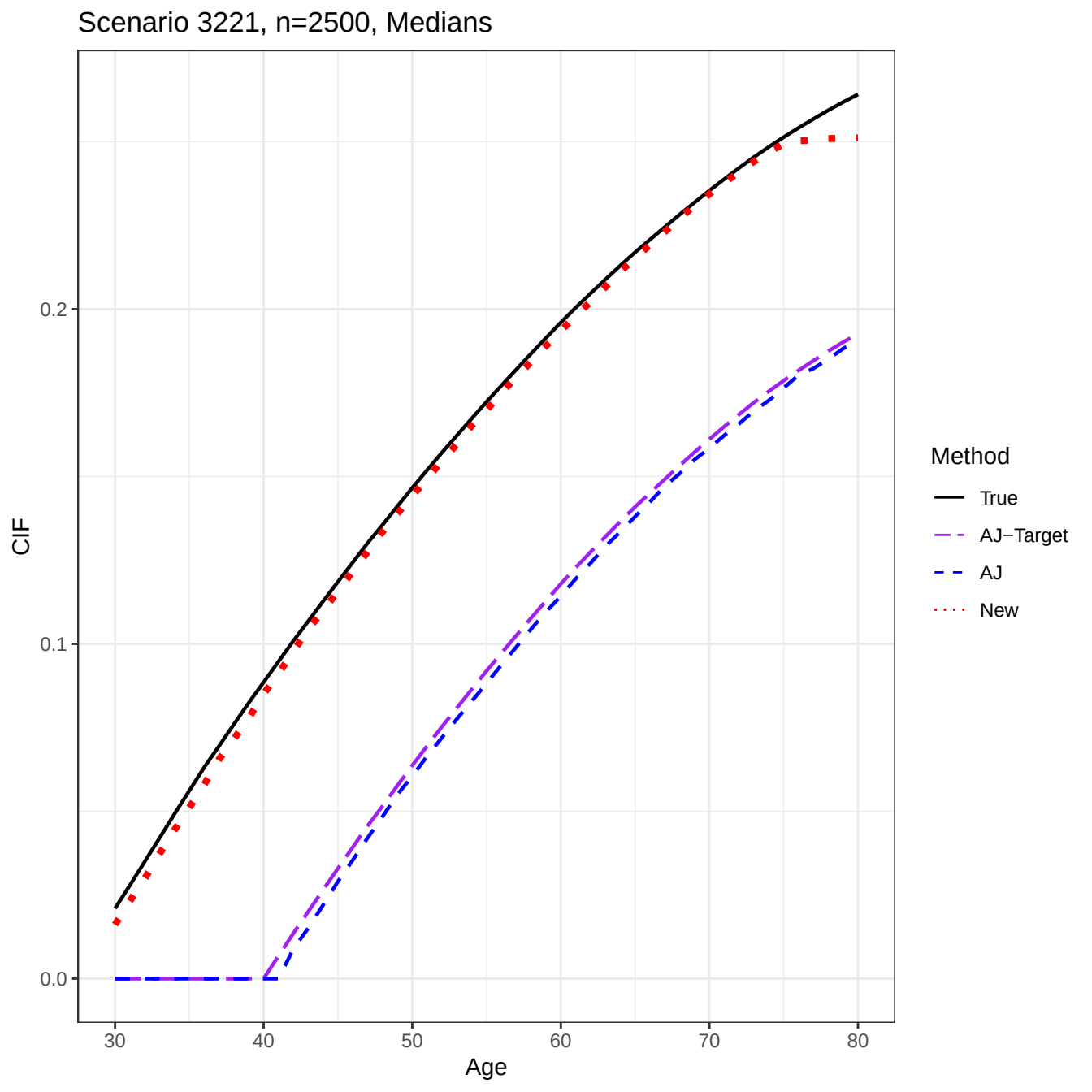
pointwise CI's done by: normal−theory

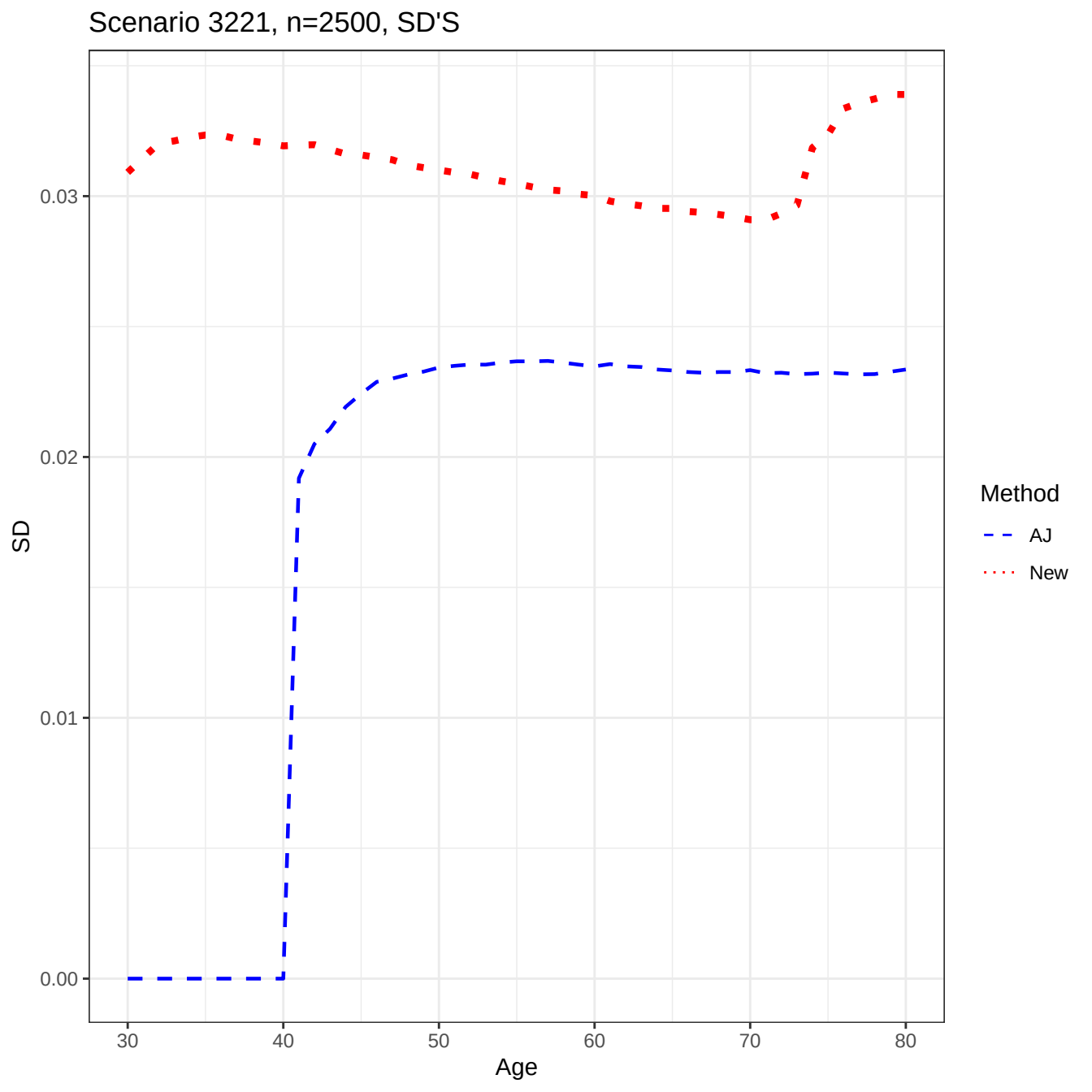
auxflg = FALSE

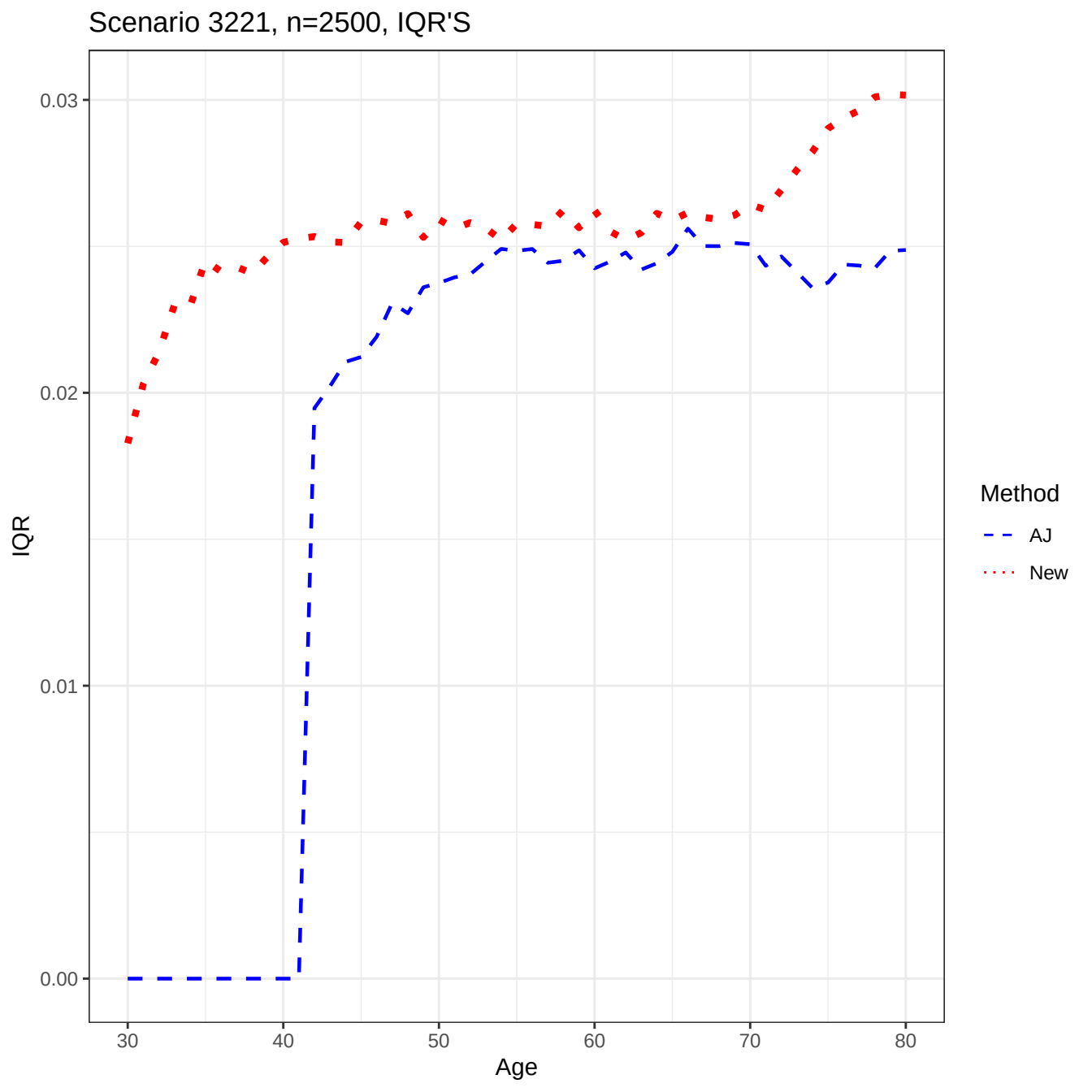
bootstrap weights: normal

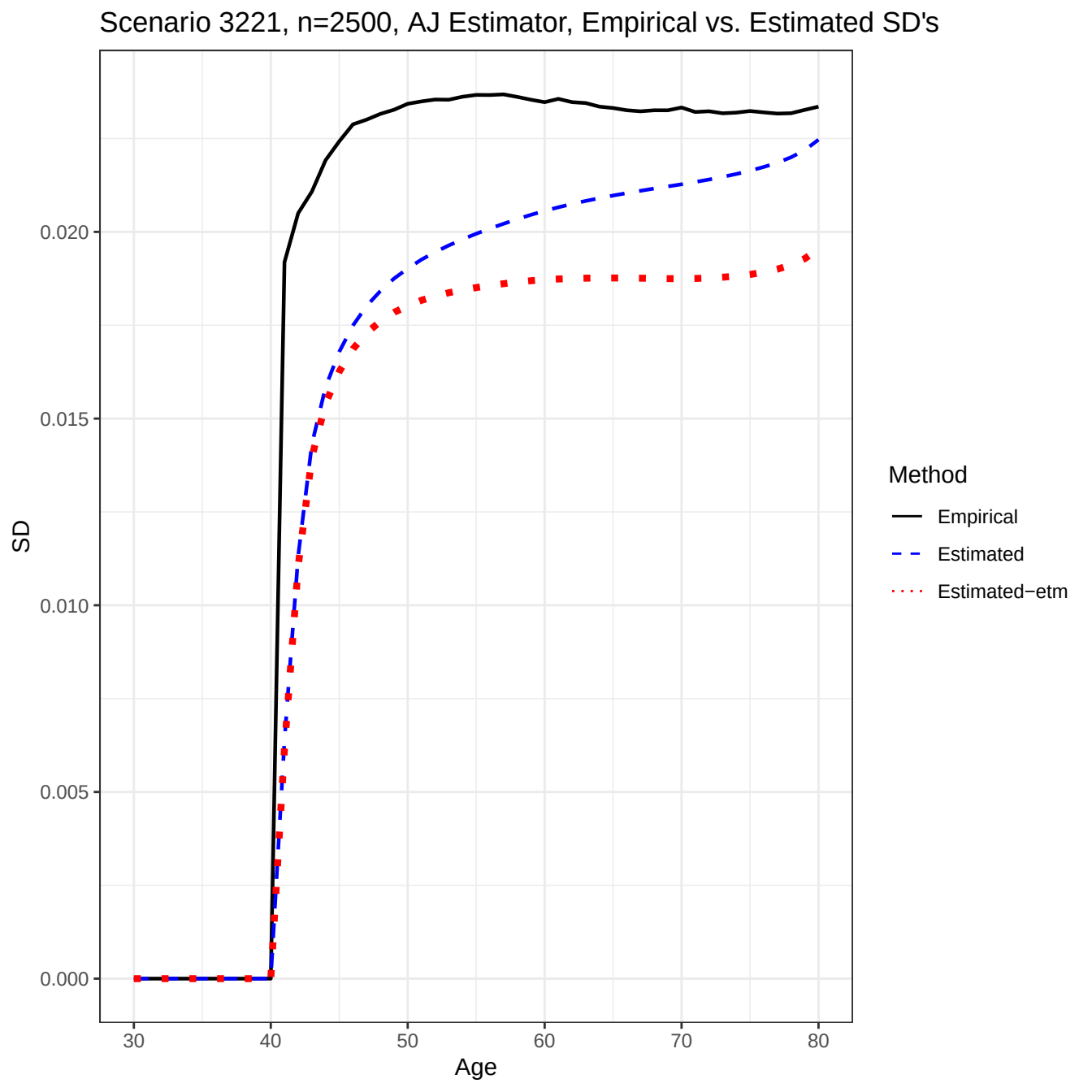
Date/Time: 2024−01−14 22:32:04.301019

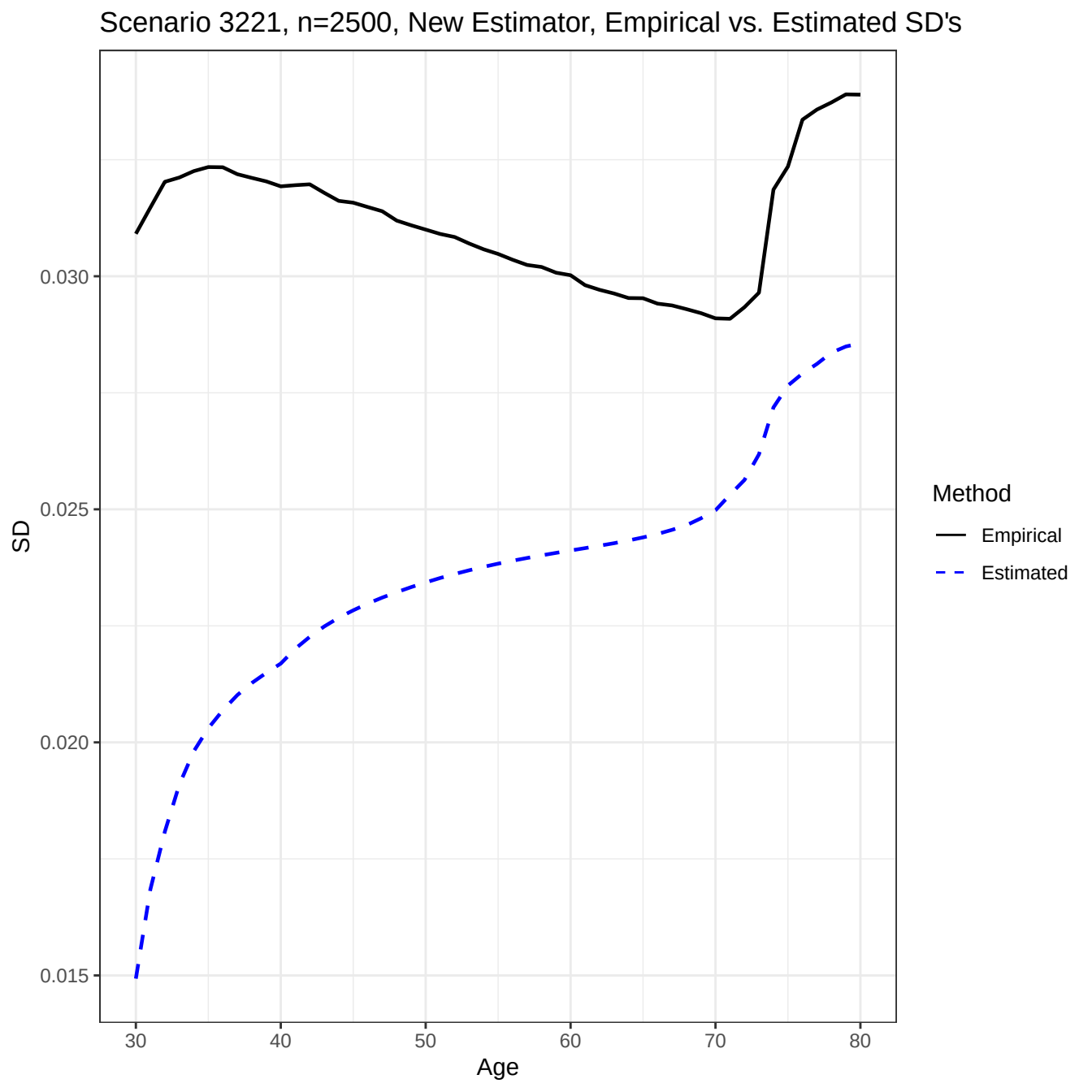

Scenario 3221, n=2500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

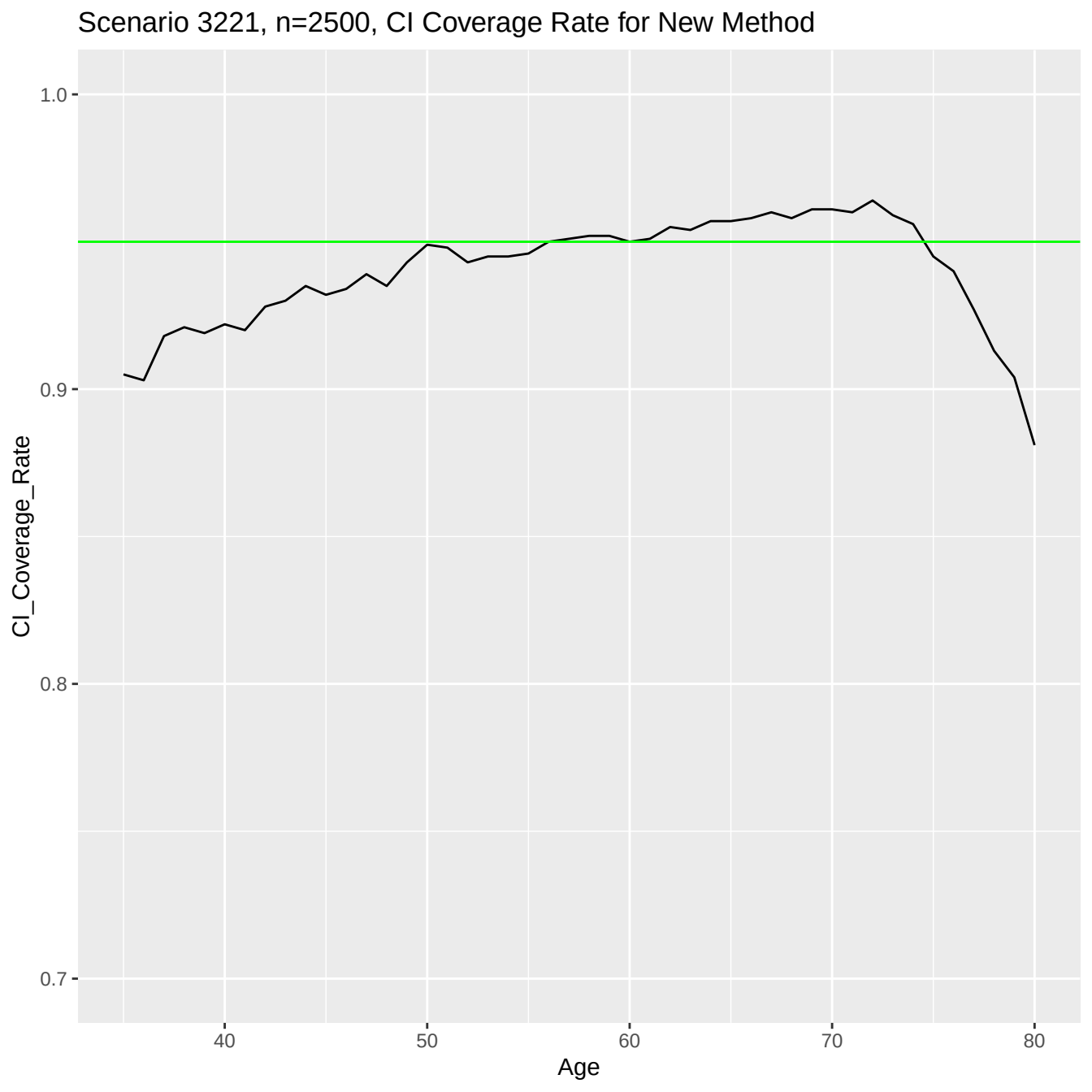

Scenario 3221, n=2500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

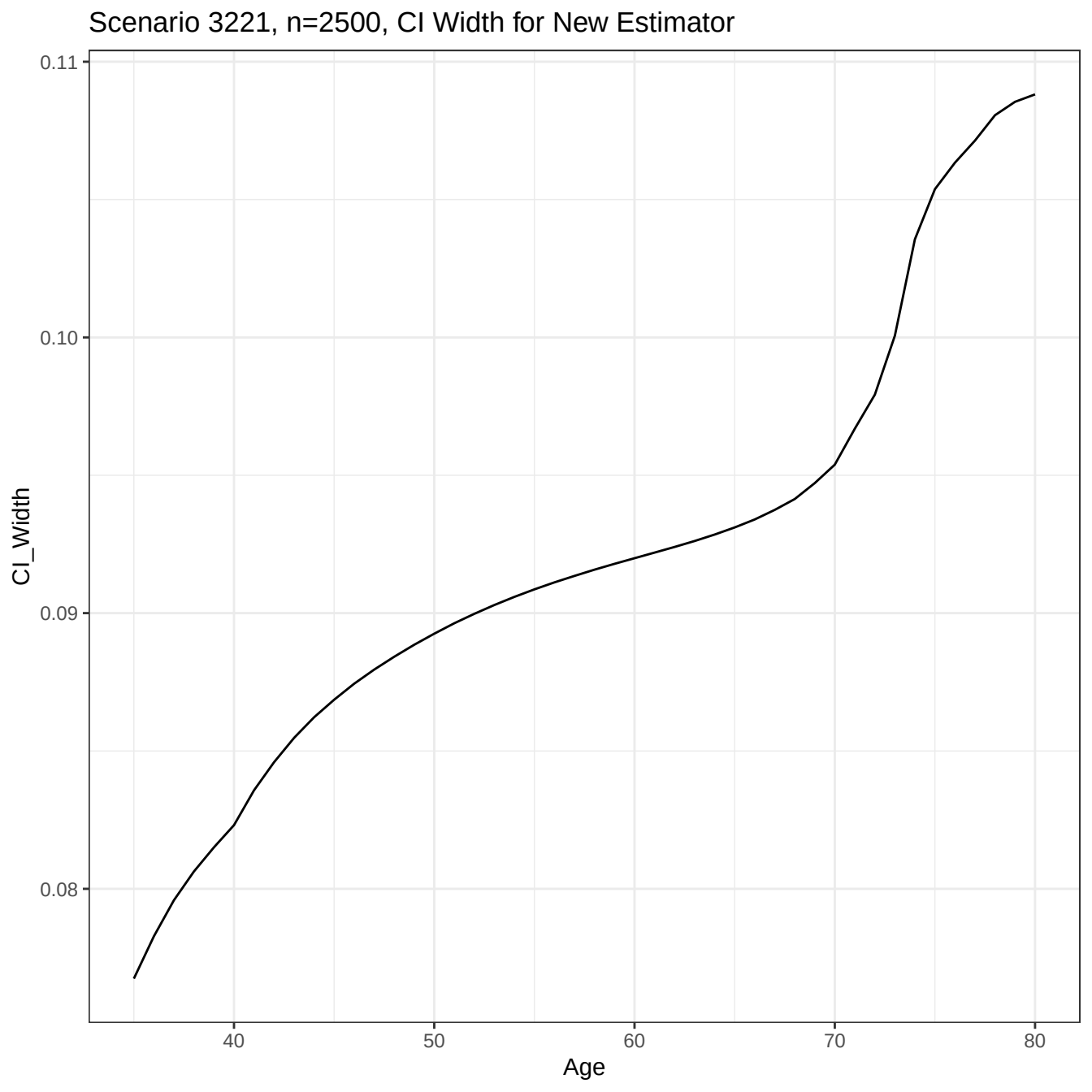

Scenario 3221, n=2500, SD'S
SD
0.00
0.01
0.02
0.03
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3221, n=2500, IQR'S
0.03
0.02
0.01
0.00
IQR
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3221, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3221, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.030
0.025
0.020
0.015
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3221, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3221, n=2500, CI Width for New Estimator
0.11
0.10
0.09
0.08
CI_Width
40
50
60
70
80
Age

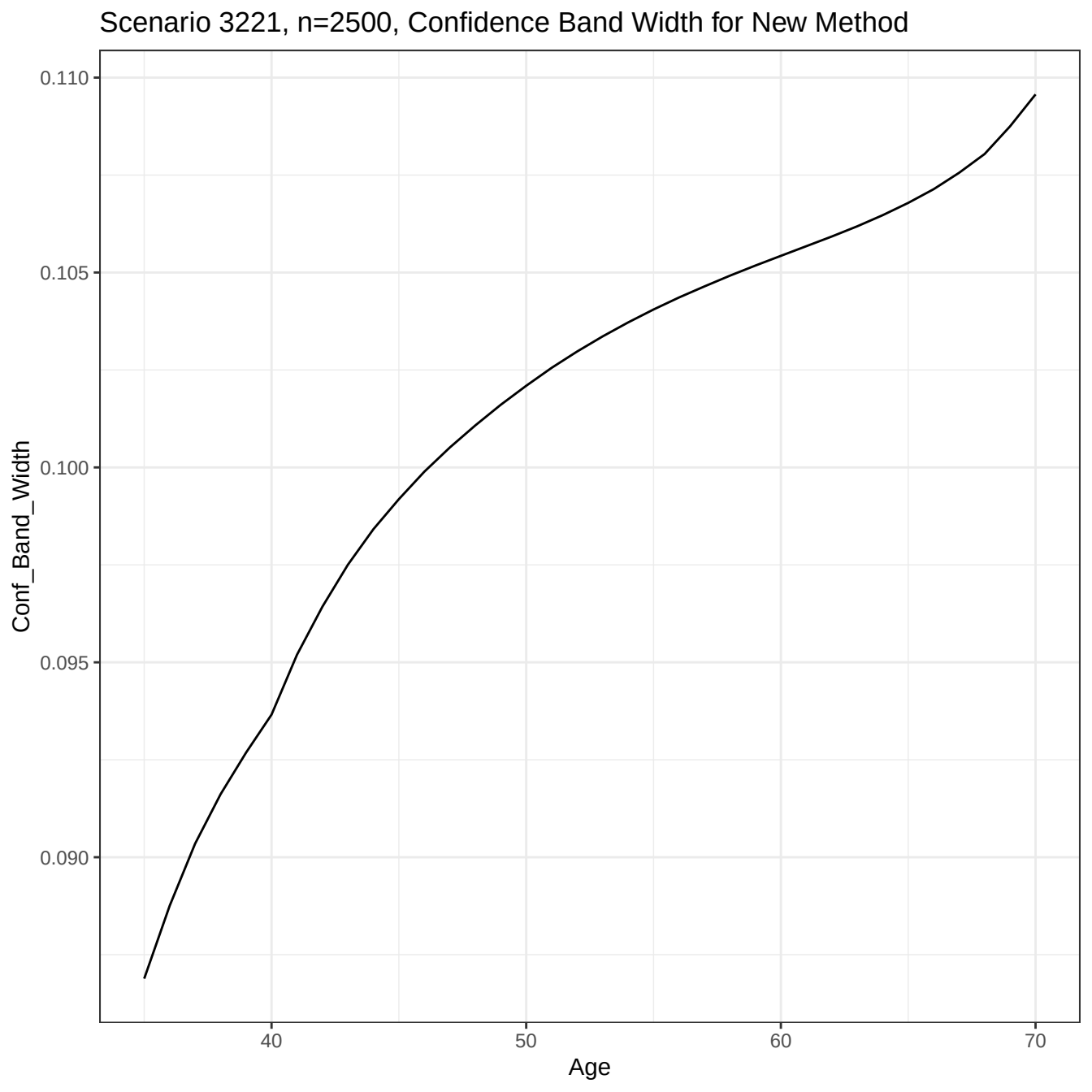
CONFIDENCE BAND COVERAGE RATES

Scenario: 3221

AJ0: 0

AJ: 0.19

New: 0.91


Scenario 3221, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.110
0.105
0.100
0.095
0.090
40
50
60
70
Age

SETTINGS

Scenario: 3222

sample size = 2500

number of simulation replications = 1000

number of bootstrap replications = 250

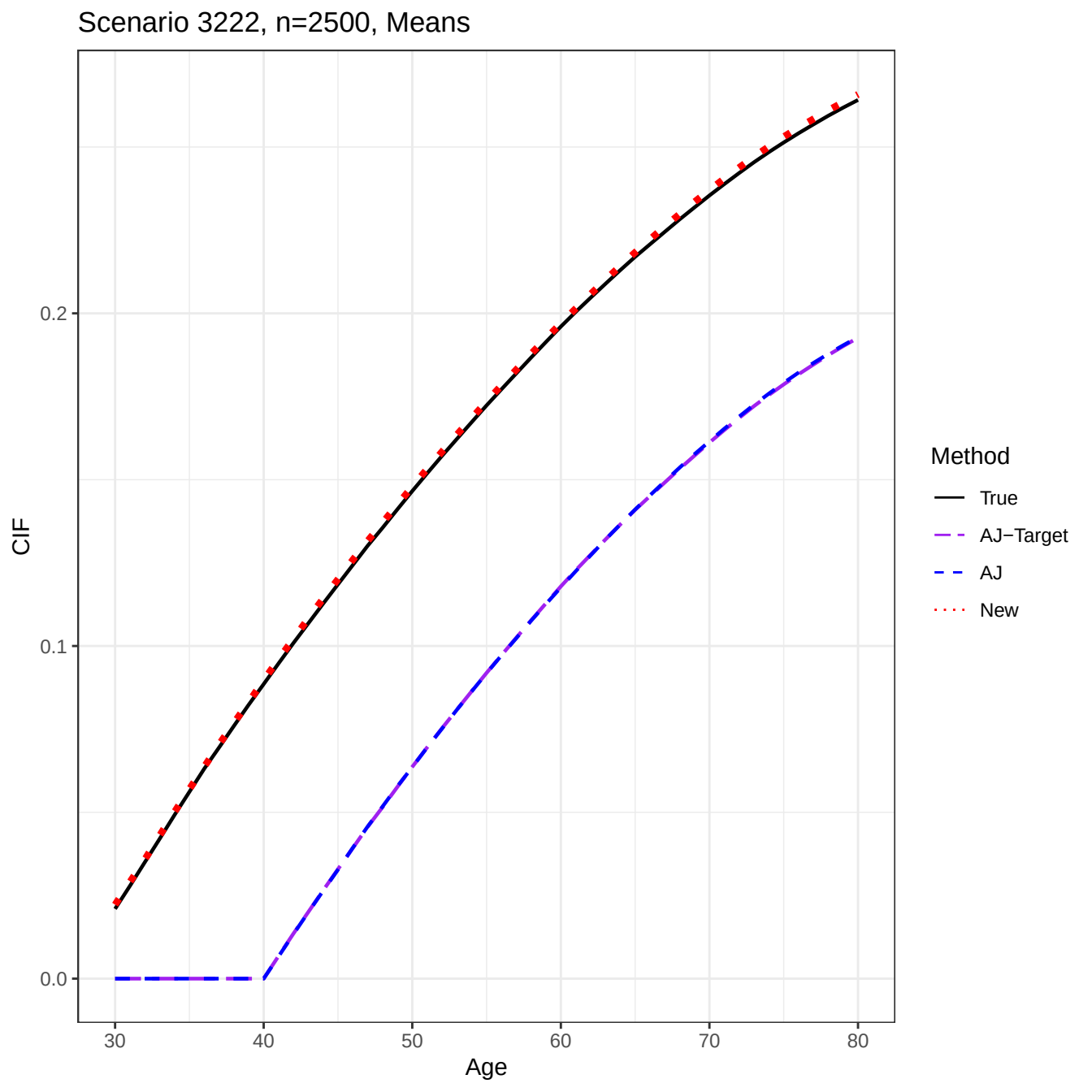
transformation: 0.5*pi − asin(sqrt(1−u))

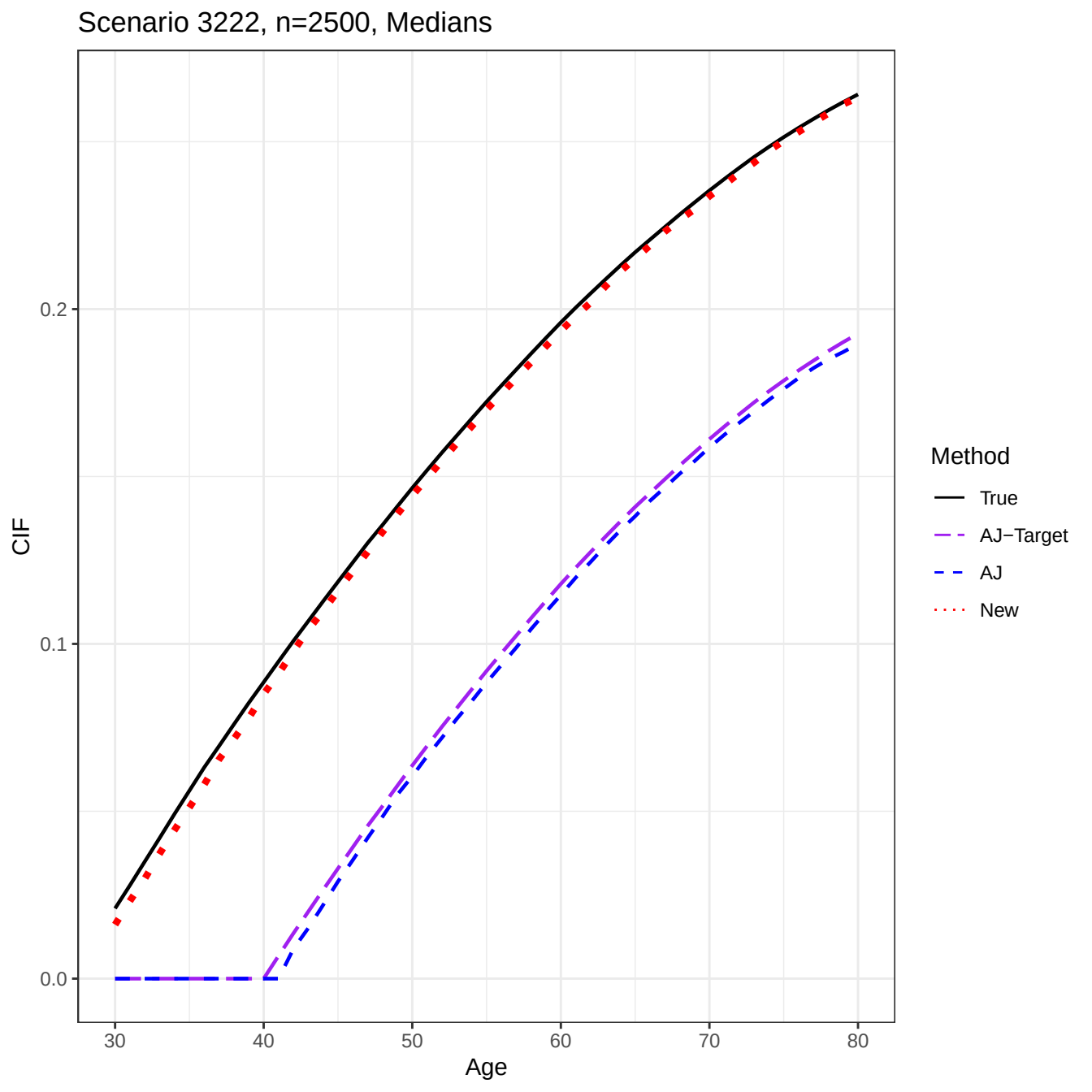
pointwise CI's done by: normal−theory

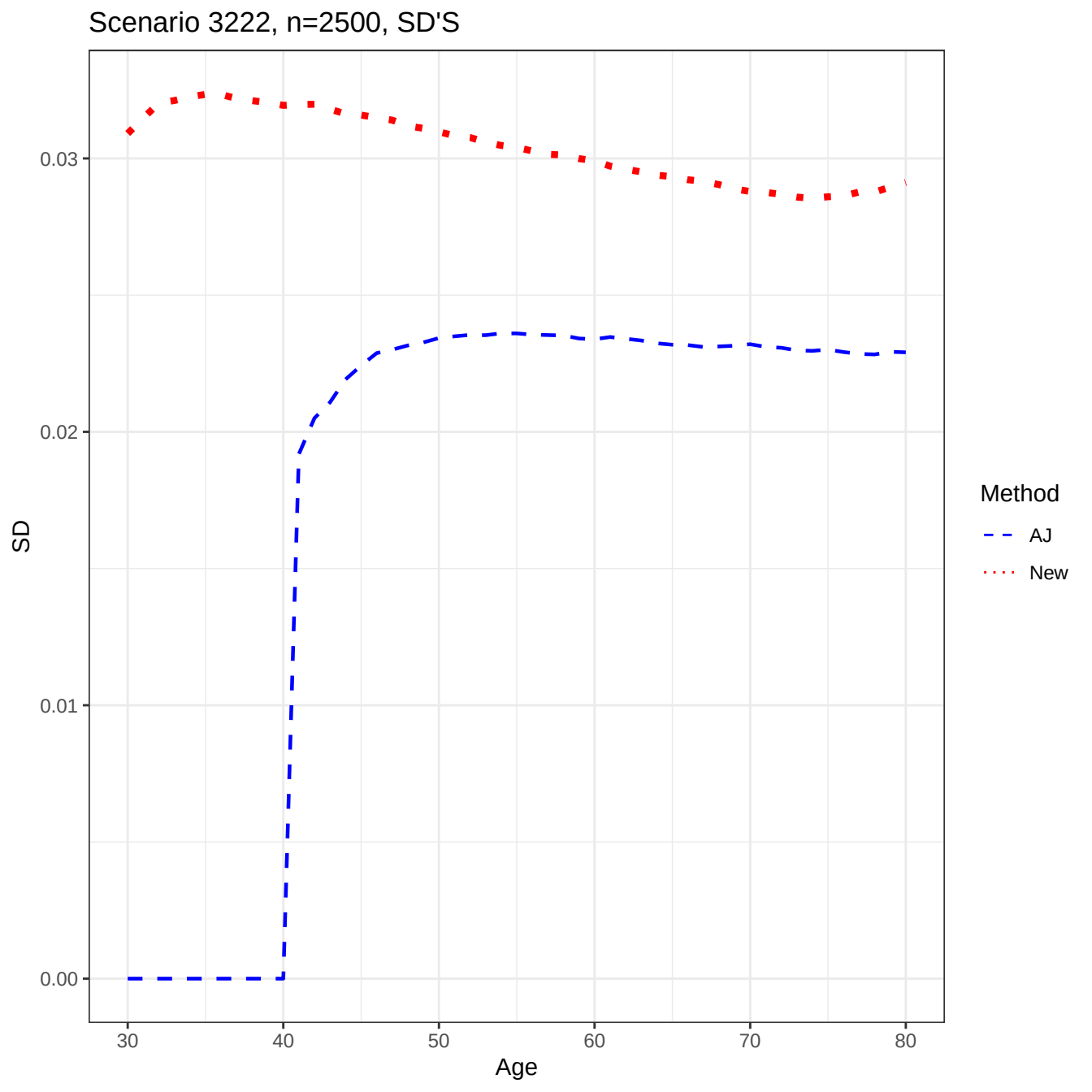
auxflg = FALSE

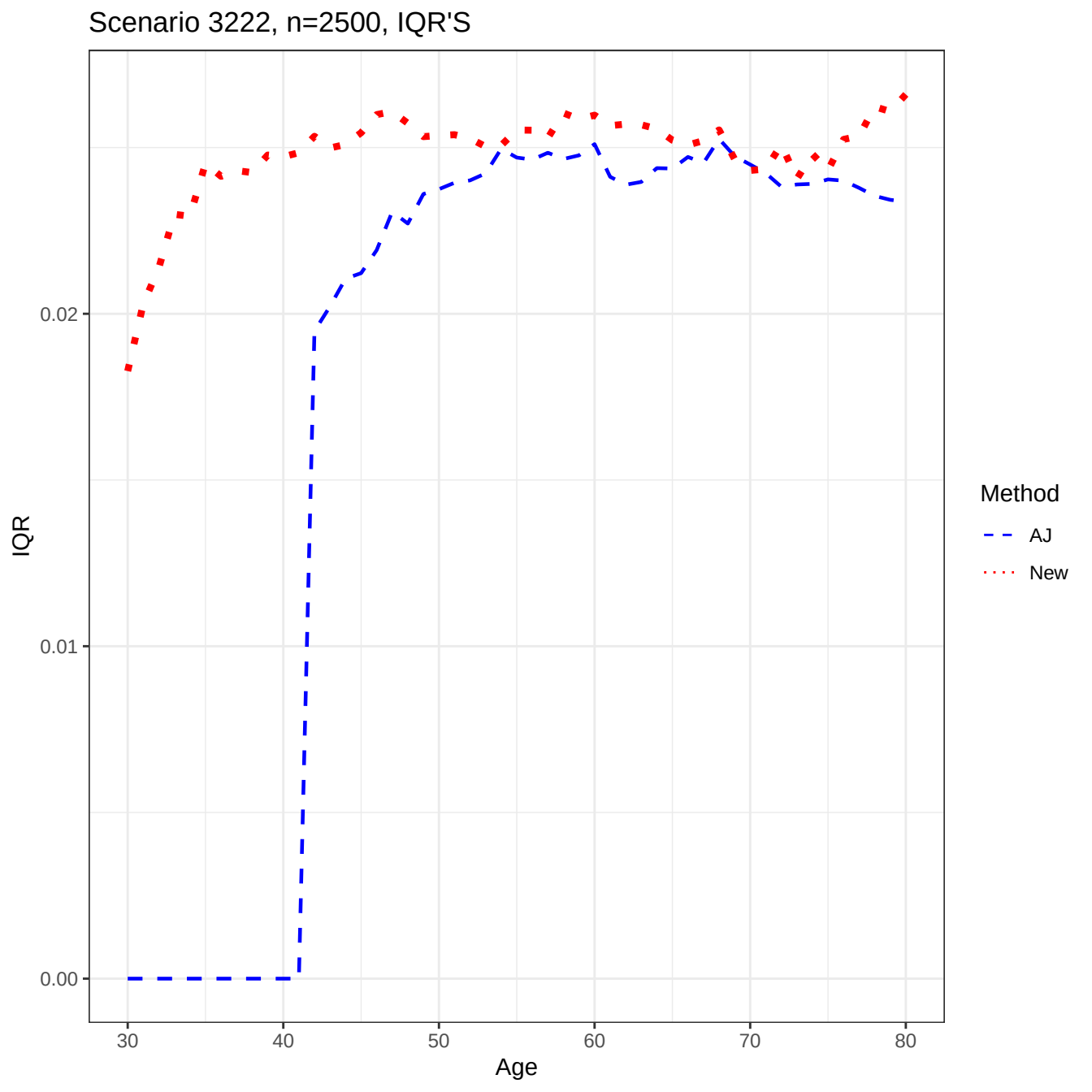
bootstrap weights: normal

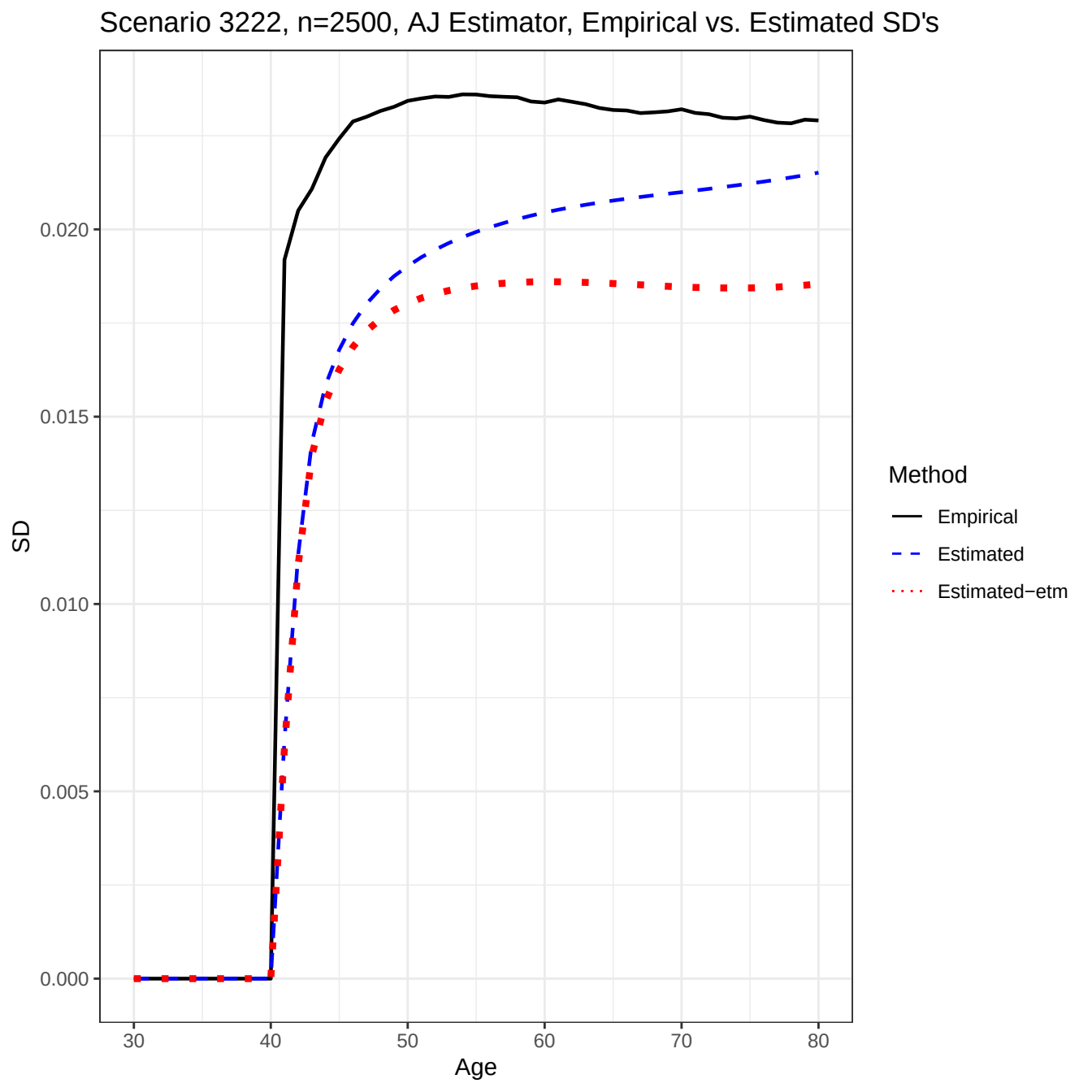
Date/Time: 2024−01−14 23:04:47.685193

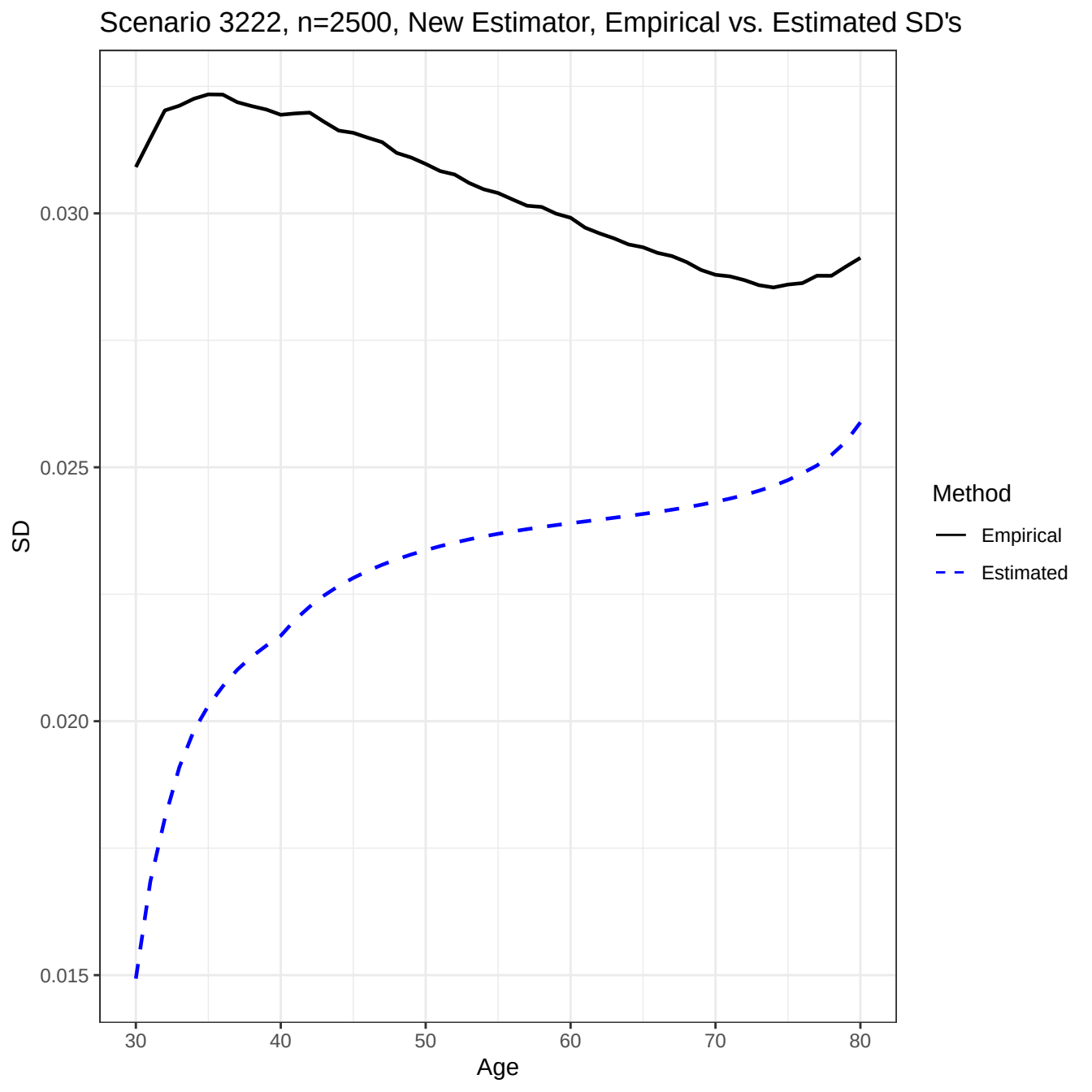

Scenario 3222, n=2500, Means
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

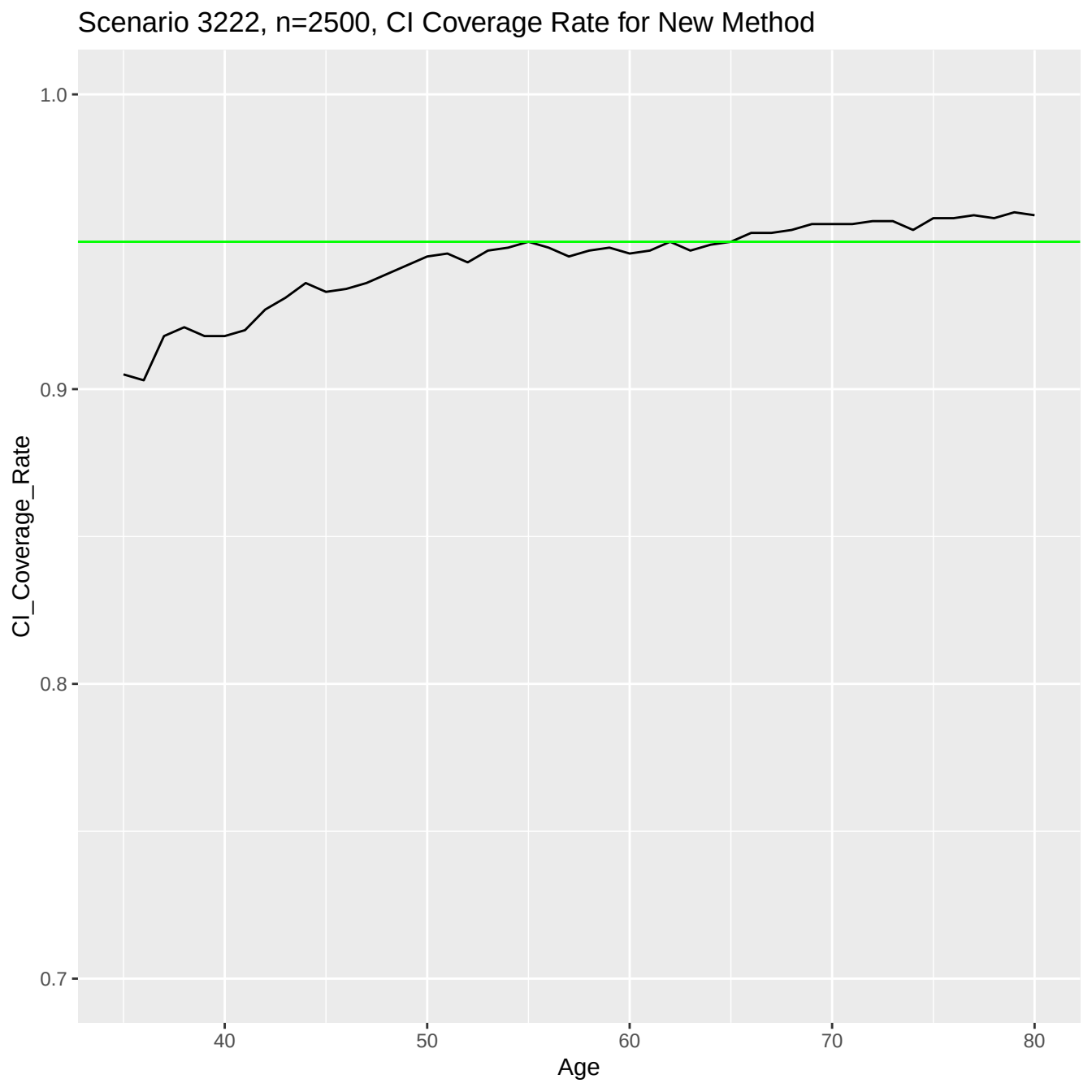

Scenario 3222, n=2500, Medians
CIF
0.0
0.1
0.2
30
40
50
60
70
80
Age
Method
True
AJ−Target
AJ
New

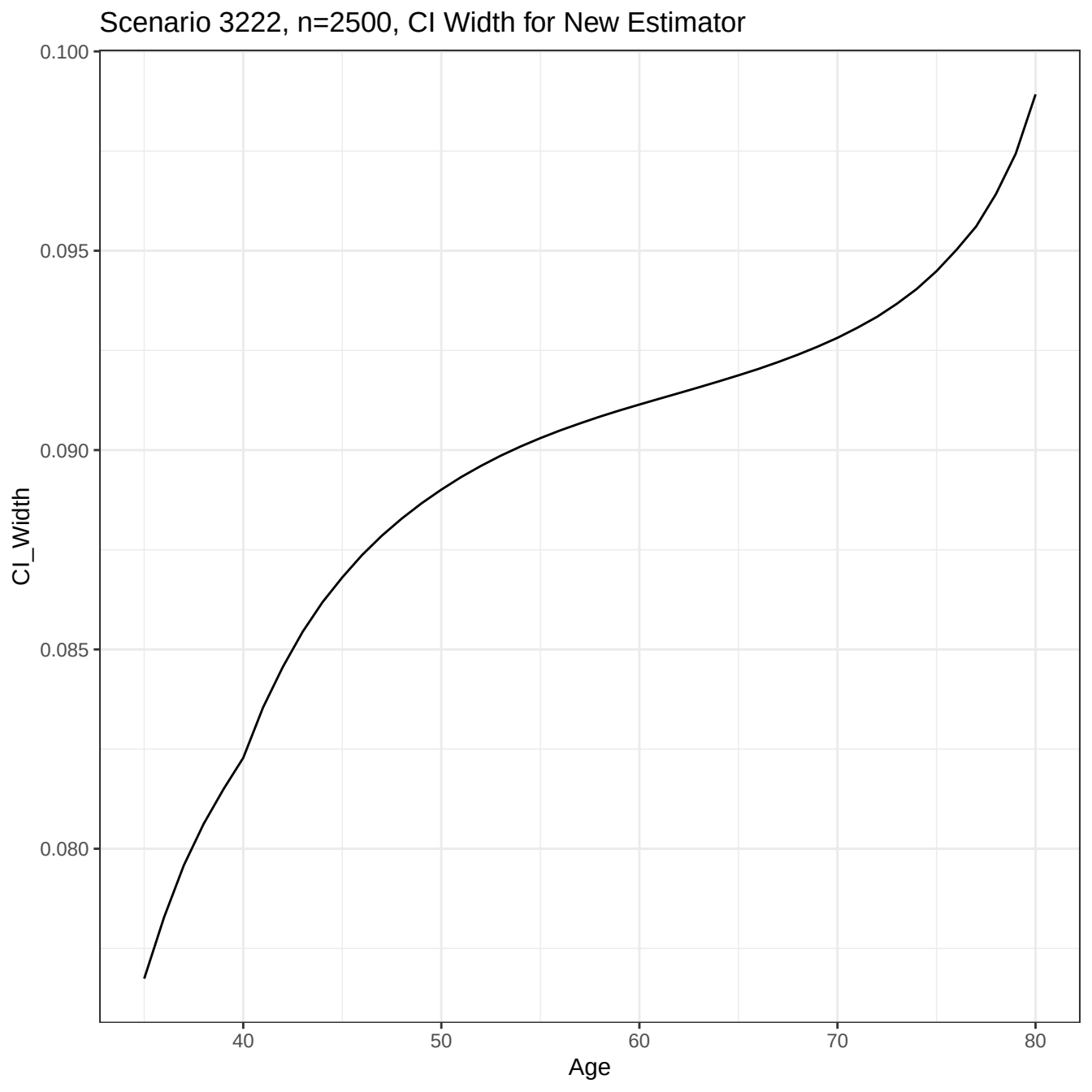

Scenario 3222, n=2500, SD'S
0.03
0.02
0.01
0.00
SD
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3222, n=2500, IQR'S
IQR
0.02
0.01
0.00
30
40
50
60
70
80
Age
Method
AJ
New


Scenario 3222, n=2500, AJ Estimator, Empirical vs. Estimated SD's
SD
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
Age
Method
Empirical
Estimated
Estimated−etm


Scenario 3222, n=2500, New Estimator, Empirical vs. Estimated SD's
SD
0.030
0.025
0.020
0.015
30
40
50
60
70
80
Age
Method
Empirical
Estimated


Scenario 3222, n=2500, CI Coverage Rate for New Method
1.0
0.9
0.8
0.7
CI_Coverage_Rate
40
50
60
70
80
Age


Scenario 3222, n=2500, CI Width for New Estimator
0.100
0.095
0.090
0.085
0.080
CI_Width
40
50
60
70
80
Age

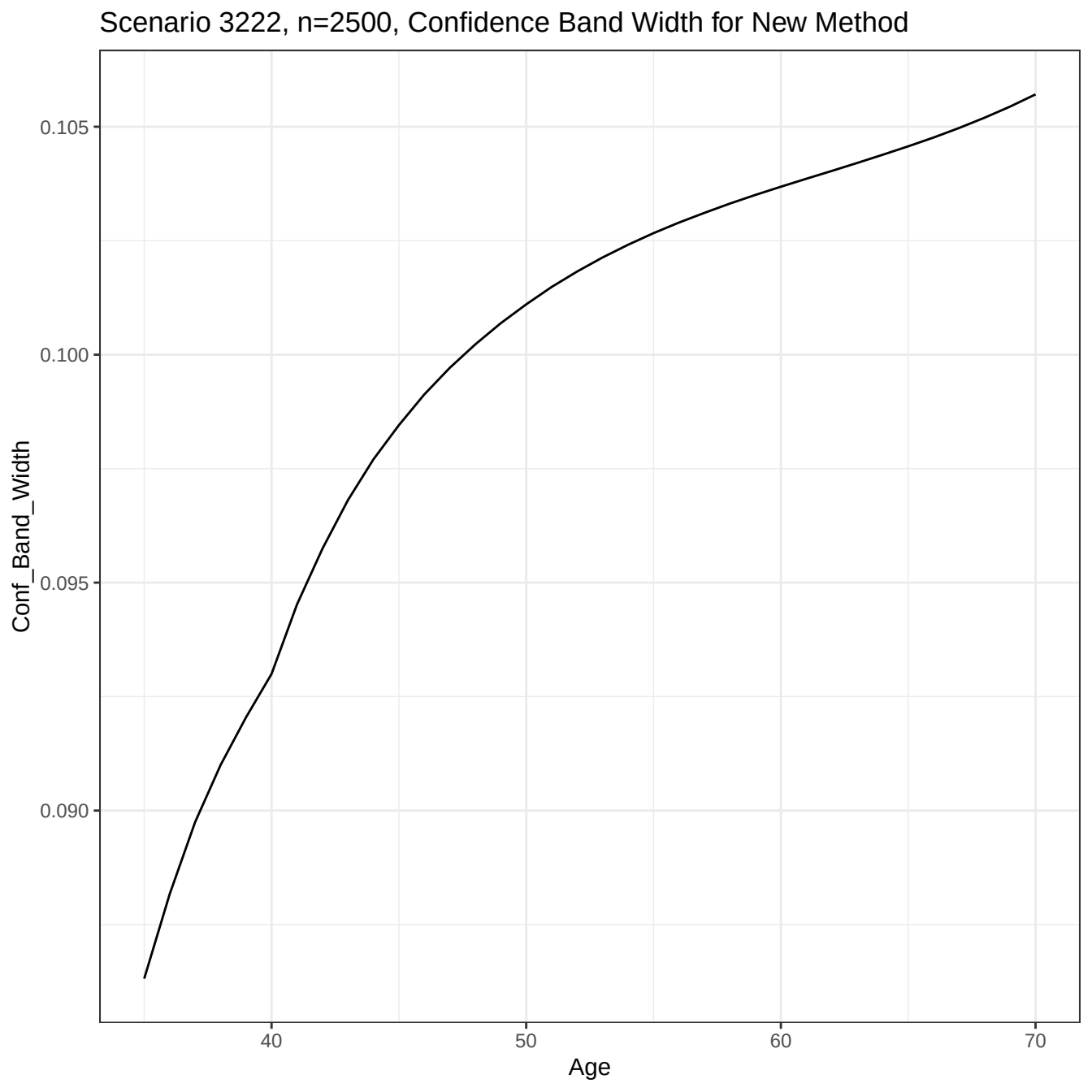
CONFIDENCE BAND COVERAGE RATES

Scenario: 3222

AJ0: 0

AJ: 0.19

New: 0.911


Scenario 3222, n=2500, Confidence Band Width for New Method
Conf_Band_Width
0.105
0.100
0.095
0.090
40
50
60
70
Age