Online Supplement

Interpreting Evaluating Respiratory Symptoms in COPD Diary Scores in Clinical Trials: Terminology, Methods, and Recommendations

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Supplemental Figures

Figures 2a1 to 4b3 Cumulative Distribution Function (CDF) and Probability Density Function (PDF) Curves for Change in E-RS:COPD Subscale Scores by SGRQ Total Change Group and Trial (AstraZeneca Trials 1 and 2 (AZ10, AZ20) and Mpex

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Figure 2a.1 Empirical Cumulative Distribution Function (CDF) Curves of Change (AZ 12)
Change in the ER-S Breathlessness Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

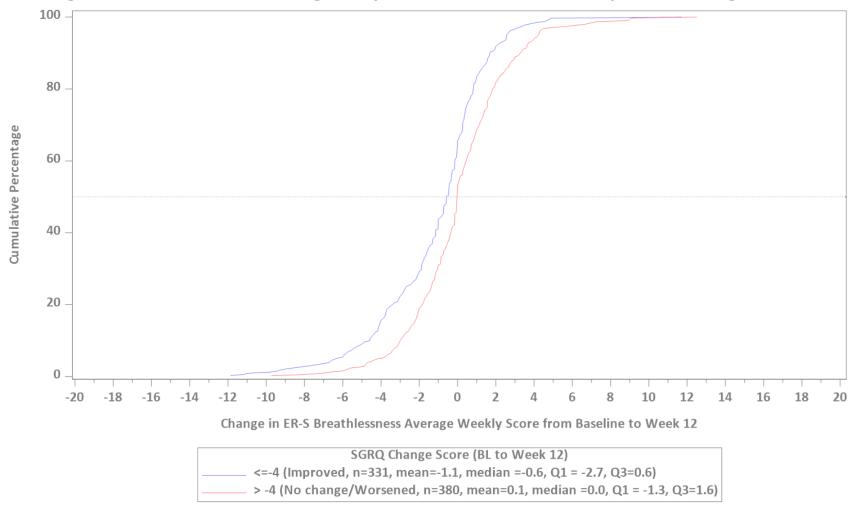


Figure 2a.2 Empirical Cumulative Distribution Function (CDF) Curves of Change (AZ 20)
Change in the ER-S Breathlessness Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

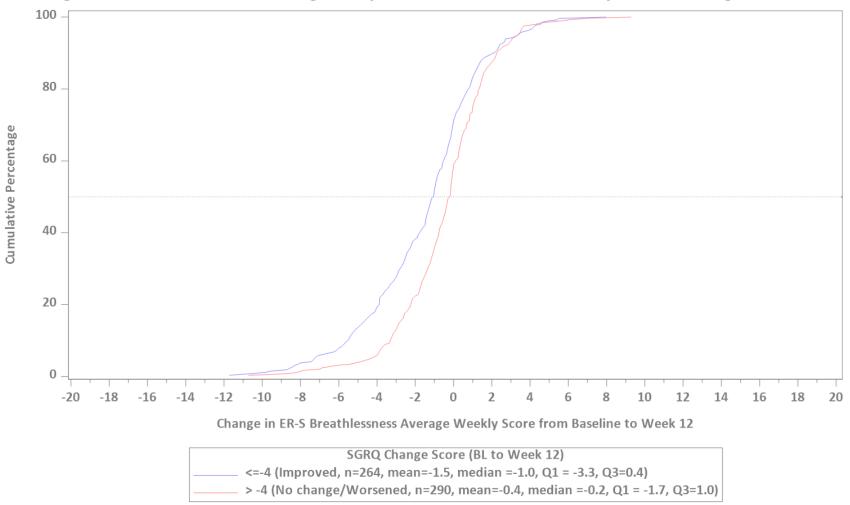


Figure 2a.3 Empirical Cumulative Distribution Function (CDF) Curves of Change (MPex)
Change in the ER-S Breathlessness Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

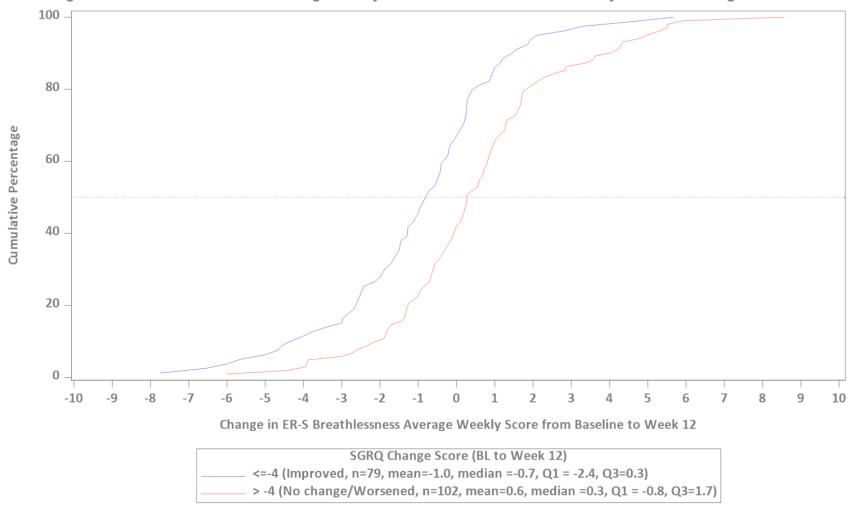
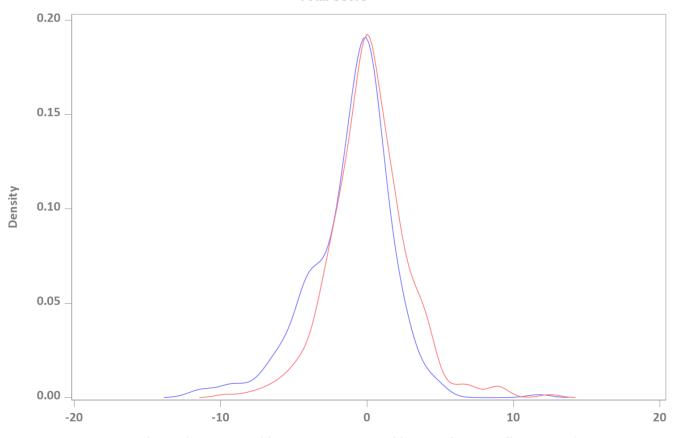


Figure 2b.1 Probability Density Function (PDF) Curves of Change (AZ 12)
Change in the ER-S Breathlessness Average Weekly Score from Baseline to Week 12 by the SGRQ Change
Total Score



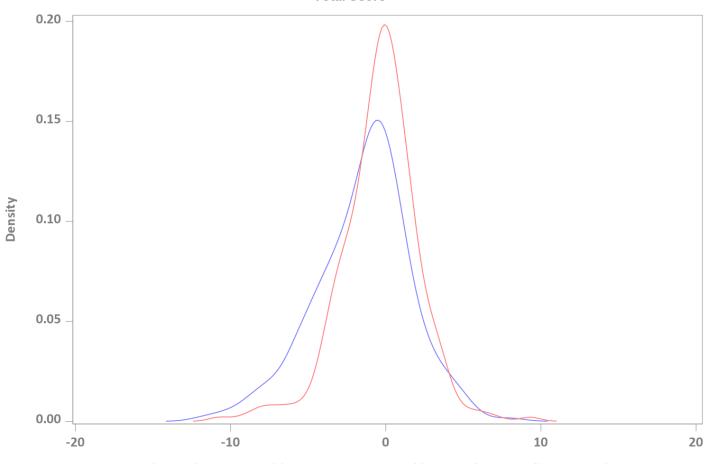
Change in ER-S Breathlessness Average Weekly Score from Baseline to Week 12



Figure 2b.2 Probability Density Function (PDF) Curves of Change (AZ 20)

Change in the ER-S Breathlessness Average Weekly Score from Baseline to Week 12 by the SGRQ Change

Total Score

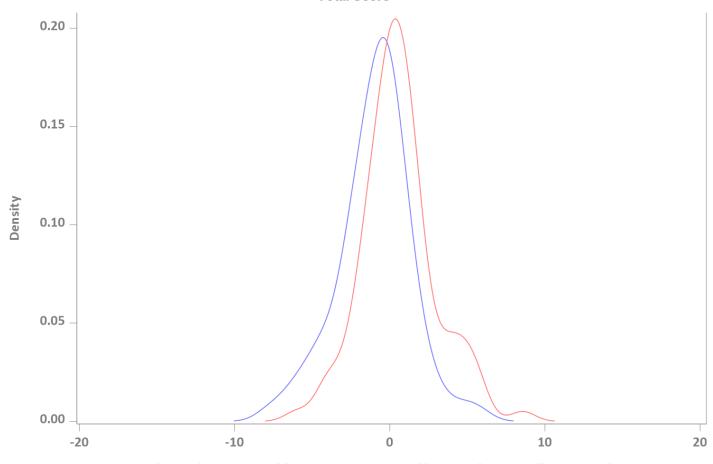


Change in ER-S Breathlessness Average Weekly Score from Baseline to Week 12

Figure 2b.3 Probability Density Function (PDF) Curves of Change (MPex)

Change in the ER-S Breathlessness Average Weekly Score from Baseline to Week 12 by the SGRQ Change

Total Score



Change in ER-S Breathlessness Average Weekly Score from Baseline to Week 12

SGRQ Change Score (BL to Week 12)

<=-4 (Improved, n=79, median =-0.7, Q1 = -2.4, Q3=0.3)

> -4 (No change/Worsened, n=102, median =0.3, Q1 = -0.8, Q3=1.7)

Figure 3a.1 Empirical Cumulative Distribution Function (CDF) Curves of Change (AZ 12)
Change in the ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

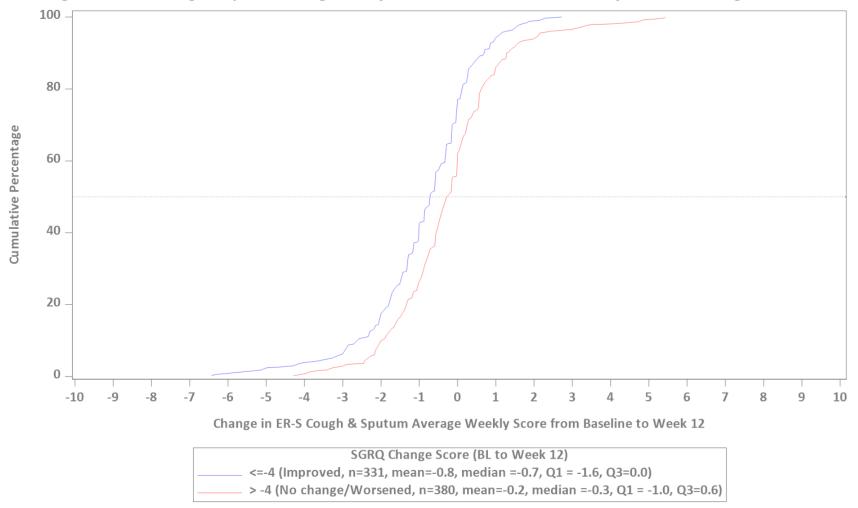


Figure 3a.2 Empirical Cumulative Distribution Function (CDF) Curves of Change (AZ 20)
Change in the ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

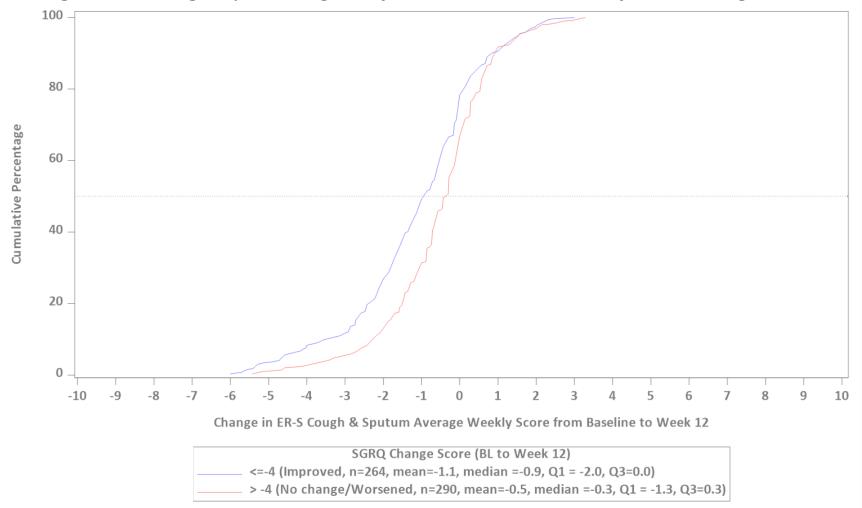


Figure 3a.3 Empirical Cumulative Distribution Function (CDF) Curves of Change (MPex)
Change in the ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

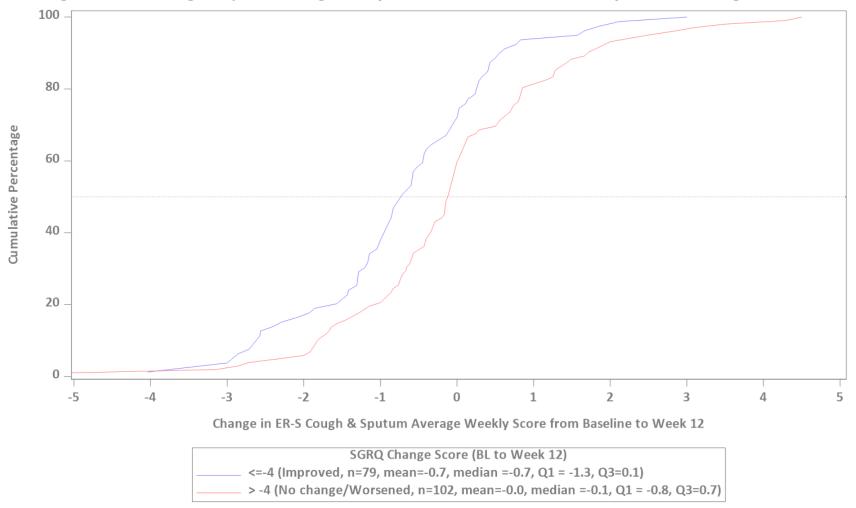
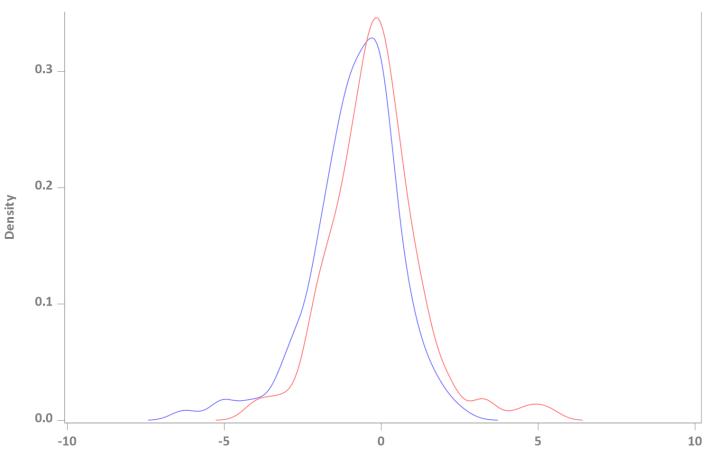


Figure 3b.1 Probability Density Function (PDF) Curves of Change (AZ 12)

Change in the ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12 by the SGRQ Change

Total Score

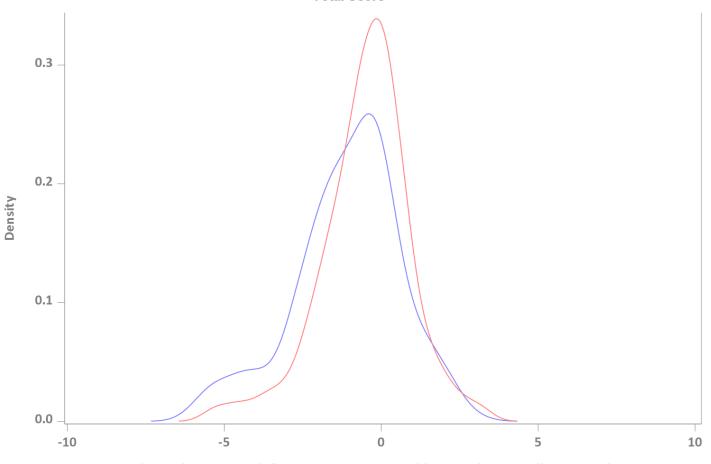


Change in ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12

Figure 3b.2 Probability Density Function (PDF) Curves of Change (AZ 20)

Change in the ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12 by the SGRQ Change

Total Score

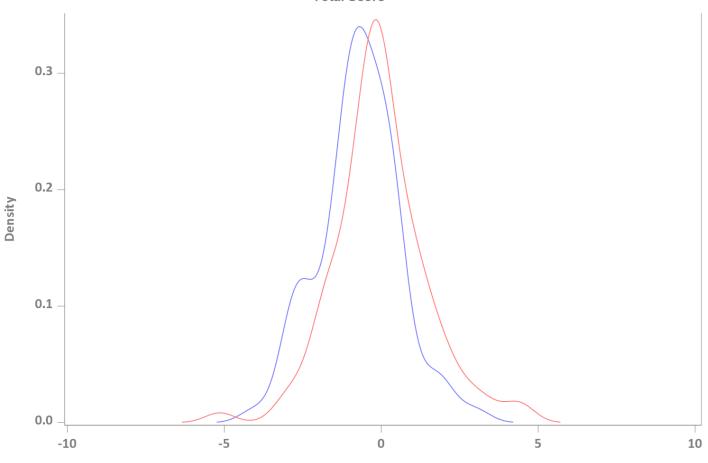


Change in ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12

Figure 3b.3 Probability Density Function (PDF) Curves of Change (MPex)

Change in the ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12 by the SGRQ Change

Total Score



Change in ER-S Cough & Sputum Average Weekly Score from Baseline to Week 12

Figure 4a.1 Empirical Cumulative Distribution Function (CDF) Curves of Change (AZ 12)
Change in the ER-S Chest Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

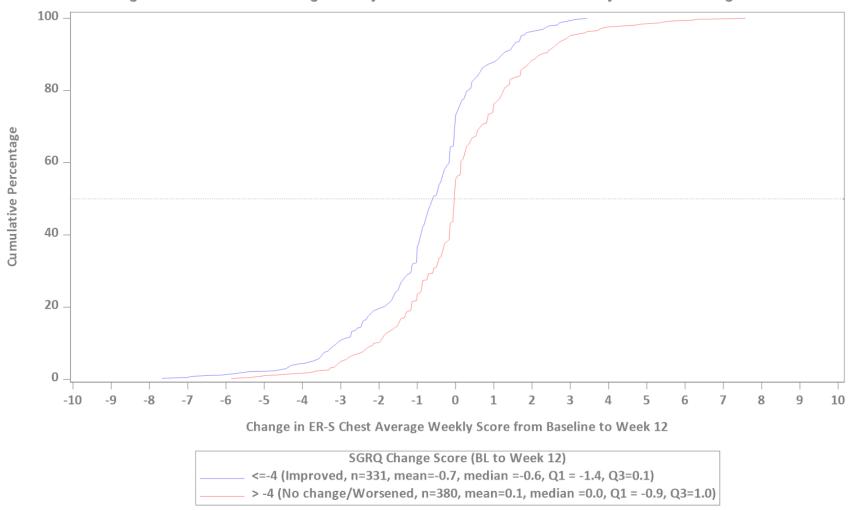


Figure 4a.2 Empirical Cumulative Distribution Function (CDF) Curves of Change (AZ 20)
Change in the ER-S Chest Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

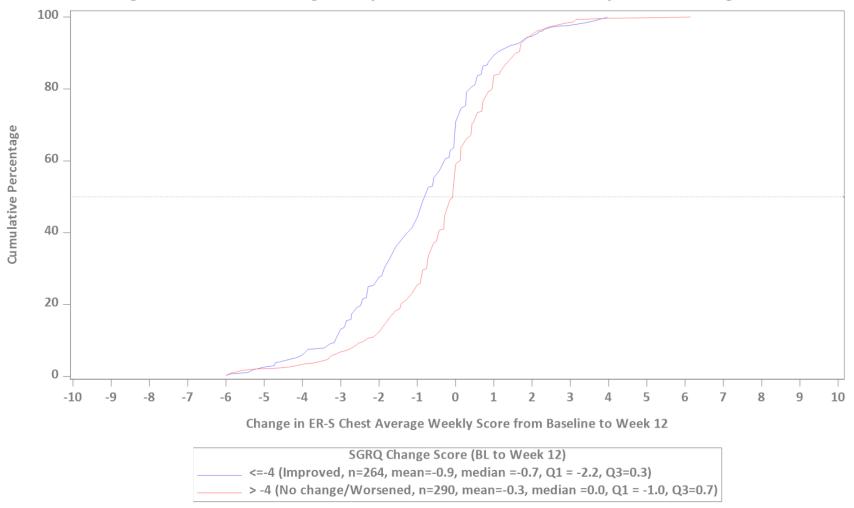


Figure 4a.3 Empirical Cumulative Distribution Function (CDF) Curves of Change (MPex)
Change in the ER-S Chest Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score

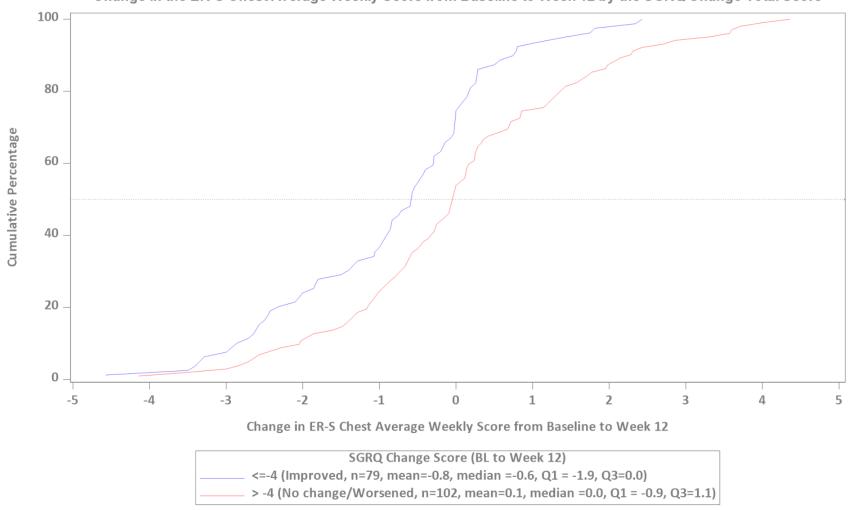
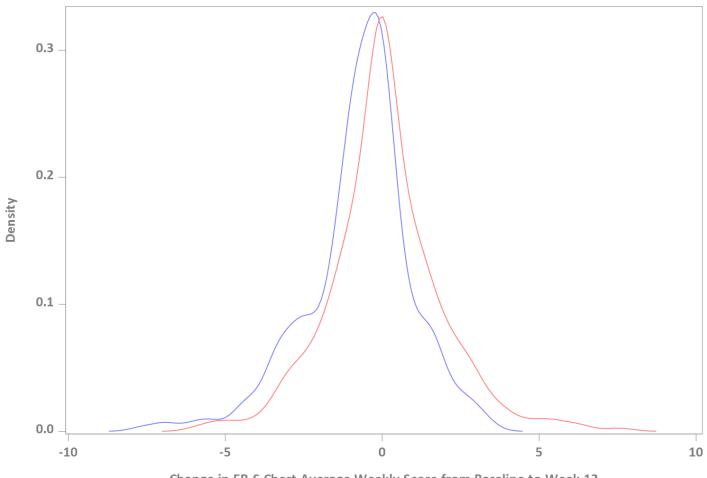


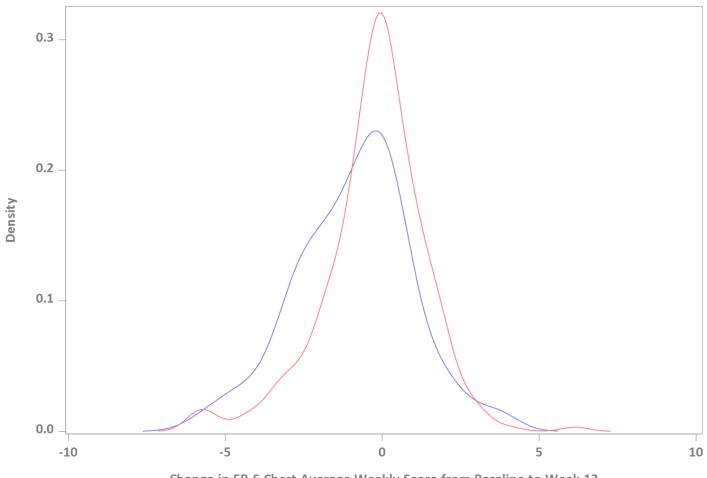
Figure 4b.1 Probability Density Function (PDF) Curves of Change (AZ 12) Change in the ER-S Chest Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score



Change in ER-S Chest Average Weekly Score from Baseline to Week 12

SGRQ Change Score (BL to Week 12) <=-4 (Improved, n=331, median =-0.6, Q1 = -1.4, Q3=0.1) > -4 (No change/Worsened, n=380, median =0.0, Q1 = -0.9, Q3=1.0)

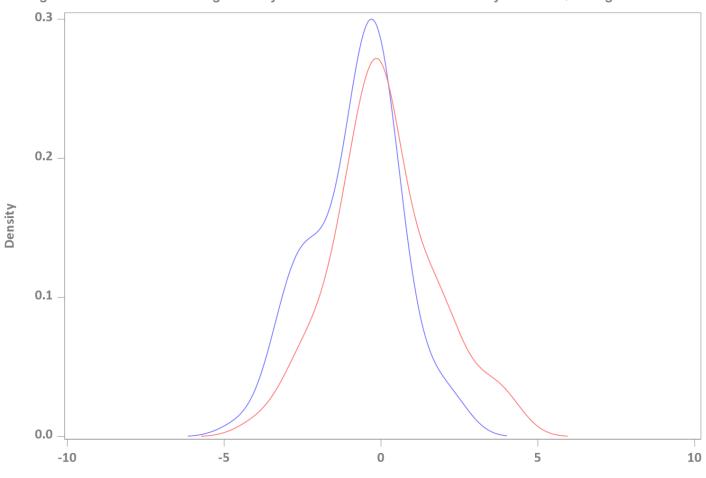
Figure 4b.2 Probability Density Function (PDF) Curves of Change (AZ 20) Change in the ER-S Chest Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score



Change in ER-S Chest Average Weekly Score from Baseline to Week 12

SGRQ Change Score (BL to Week 12) <=-4 (Improved, n=264, median =-0.7, Q1 = -2.2, Q3=0.3) > -4 (No change/Worsened, n=290, median =0.0, Q1 = -1.0, Q3=0.7)

Figure 4b.3 Probability Density Function (PDF) Curves of Change (MPex)
Change in the ER-S Chest Average Weekly Score from Baseline to Week 12 by the SGRQ Change Total Score



Change in ER-S Chest Average Weekly Score from Baseline to Week 12