Figure 3. Forest plot of the odds ratio (OR) and 95% confidence interval (CI) for all-cause mortality in different subgroups according to EF category.

| Study or Subgroup | HFpEF | HFrEF | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|-------|-------|------------|---------------------|
| **4.1.1 in acute HF patients** |       |       |            |                     |
| Guif CARE registry 2020 | 548   | 2683  | 152 962  | 9.0%               |
| GWTH-HF registry 2017 | 13847 | 18398 | 2487 3258 | 62.9%              |
| Kawahara 2021 | 49    | 164   | 34 104   | 154%              |
| KCHF registry 2020 | 298   | 1383  | 158 703  | 8.3%               |
| KorAHF registry 2020 | 1609  | 3182  | 472 875  | 18.6%              |
| KorHF registry 2019 | 117   | 583   | 55 227   | 3.2%               |
| Vicent 2019 | 271   | 1143  | 123 532  | 6.5%               |
| WET-HF registry 2019 | 271   | 1143  | 123 532  | 6.5%               |
| Subtotal (95% CI) | 16739 | 3481  | 868 100% | 0.99 (0.93, 1.05)  |
| **4.1.2 in AF patients** |       |       |            |                     |
| ESHC-HF-LT registry 2018 | 396   | 1946  | 295 1438 | 10.4%              |
| KorAHF registry 2020 | 442   | 921   | 338 614  | 6.1%               |
| SwedeHEF registry 2017 | 5355  | 12187 | 2882 6250 | 81.6%              |
| Subtotal (95% CI) | 6193  | 3516  | 3802 100% | 0.91 (0.86, 0.96) |}

| Study or Subgroup | HFrEF | HfmrEF | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|-------|-------|------------|---------------------|
| **4.2.1 in acute HF patients** |       |       |            |                     |
| Guif CARE registry 2020 | 548   | 2683  | 152 962  | 9.0%               |
| GWTH-HF registry 2017 | 13847 | 18398 | 2487 3258 | 62.9%              |
| Kawahara 2021 | 49    | 164   | 34 104   | 154%              |
| KCHF registry 2020 | 298   | 1383  | 158 703  | 8.3%               |
| KorAHF registry 2020 | 1609  | 3182  | 472 875  | 18.6%              |
| KorHF registry 2019 | 117   | 583   | 55 227   | 3.2%               |
| Vicent 2019 | 271   | 1143  | 123 532  | 6.5%               |
| WET-HF registry 2019 | 271   | 1143  | 123 532  | 6.5%               |
| Subtotal (95% CI) | 16739 | 3481  | 868 100% | 0.99 (0.93, 1.05)  |
| **4.2.2 in AF patients** |       |       |            |                     |
| ESHC-HF-LT registry 2018 | 396   | 1946  | 295 1438 | 10.4%              |
| KorAHF registry 2020 | 442   | 921   | 338 614  | 6.1%               |
| SwedeHEF registry 2017 | 5355  | 12187 | 2882 6250 | 81.6%              |
| Subtotal (95% CI) | 6193  | 3516  | 3802 100% | 0.91 (0.86, 0.96) |}

| Study or Subgroup | HfrEF | HfmrEF | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|-------|-------|------------|---------------------|
| **4.3.1 in acute HF patients** |       |       |            |                     |
| Guif CARE registry 2020 | 548   | 2683  | 152 962  | 9.0%               |
| GWTH-HF registry 2017 | 13847 | 18398 | 2487 3258 | 62.9%              |
| Kawahara 2021 | 49    | 164   | 34 104   | 154%              |
| KCHF registry 2020 | 298   | 1383  | 158 703  | 8.3%               |
| KorAHF registry 2020 | 1609  | 3182  | 472 875  | 18.6%              |
| KorHF registry 2019 | 117   | 583   | 55 227   | 3.2%               |
| Vicent 2019 | 271   | 1143  | 123 532  | 6.5%               |
| WET-HF registry 2019 | 271   | 1143  | 123 532  | 6.5%               |
| Subtotal (95% CI) | 16739 | 3481  | 868 100% | 0.99 (0.93, 1.05)  |
| **4.3.2 in AF patients** |       |       |            |                     |
| ESHC-HF-LT registry 2018 | 396   | 1946  | 295 1438 | 10.4%              |
| KorAHF registry 2020 | 442   | 921   | 338 614  | 6.1%               |
| SwedeHEF registry 2017 | 5355  | 12187 | 2882 6250 | 81.6%              |
| Subtotal (95% CI) | 6193  | 3516  | 3802 100% | 0.91 (0.86, 0.96) |}

| Study or Subgroup | HfrEF | HfmrEF | Odds Ratio | M-H. Fixed, 95% CI |
|-------------------|-------|-------|------------|---------------------|
| **4.3.3 in T2DM patients** |       |       |            |                     |
| Guif 2018 | 160   | 481   | 75 290   | 52.8%              |
| Guif CARE registry 2020 | 108   | 1268  | 42 475   | 47.2%              |
| Subtotal (95% CI) | 1749  | 765   | 100%      | 1.21 (0.94, 1.54)  |
| **4.3.4 in T2DM patients** |       |       |            |                     |
| Guif 2018 | 160   | 481   | 75 290   | 52.8%              |
| Guif CARE registry 2020 | 108   | 1268  | 42 475   | 47.2%              |
| Subtotal (95% CI) | 1749  | 765   | 100%      | 1.21 (0.94, 1.54)  |