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| **Metric Name** | **Description** |
| NN/RR | Ratio of NN intervals and total RR intervals |
| **Time-Domain Measures** | |
| AVNN | Average of all NN intervals |
| SDNN | Standard deviation of all NN intervals |
| SDANN | Standard deviation of averages of NN intervals in all 5-minute segments |
| SDNNIDX | Mean of standard deviations of NN intervals in all 5-minute segments |
| rMSSD | Square root of mean of squares of differences between consecutive NN intervals |
| PNN50 | Percentage of differences between consecutive NN intervals that greater than 50 milliseconds |
| **Frequency-Domain Measures** | |
| TOTPWR | Total spectral power of NN intervals up to 0.04 Hz |
| ULF | Total spectral power of NN intervals up to 0.003 Hz |
| VLF | Total spectral power of NN intervals between 0.003 and 0.04 Hz |
| LF | Total spectral power of NN intervals between 0.04 and 0.15 Hz |
| HF | Total spectral power of all NN intervals between 0.15 and 0.4 Hz |
| LF/HF | Ratio of LF to HF |
| **Morphological Variability Metrics** | |
| MV | Energy in MD time-series power spectral density between 0.30-0.55 Hz |
| MV-LF/HF | Ratio of LF/HF\* in MD time-series  \*LF: 0.04-0.15 Hz, HF: 0.15-0.4 Hz |

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| **Database Name** | **Patients** | **Record** **Details** |
| MIMIC II Version 2 Database (MIMIC) [16] | Patients in an intensive care unit (adults and neonates) | 225 records used of a set with expert-reviewed severe arrhythmia alert annotations  Long-term (days to weeks) |
| Creighton University Ventricular Tachyarrhythmia Database (CUDB) [17] | Patients who experienced sustained ventricular tachycardia, ventricular flutter, and ventricular fibrillation | 31 records used of a set with reference annotations of notable events and episodes  8 minutes long |
| Fantasia Database [18] | Patients monitored while watching the movie, *Fantasia*  20 young (21 - 34 years old)  20 elderly (69 - 85 years old) | 40 records with annotated heartbeats verified by inspection  120 minutes long |
| MIT-BIH Malignant Ventricular Arrhythmia Database (VFDB) [19] | Patients who experienced sustained ventricular tachycardia, ventricular flutter, and ventricular fibrillation | 22 records with rhythm reference annotations  30 minutes long |
| MIT-BIH Supraventricular Arrhythmia Database (SVDB) [20] | Patients who experienced supraventricular arrhythmias | 78 records with annotations  30 minutes long |
| MIT-BIH Normal Sinus Rhythm Database (NSRDB) | Patients in Arrhythmia Laboratory at Beth Israel Deaconess Medical Center with no significant arrhythmias | 18 records with annotations  Different parts of record used (effectively 36 records)  Long-term (days) |
| Apnea-ECG Database | Patients with sleep apnea, but significant no arrhythmias; healthy volunteers | 70 records with machine-generated beat annotations  7-10 hours long |