|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Database** | **Reference** | **#Recordings (p)** | **#Patients**  **(n)** | **Fs**  **(Hz)** | **Nb bits** | **Med**  **(Q1-Q3)** | **Ref** | **Population sample** | **Cardiac abnormalities** |
| CPSCA | *An Open Access Database for Evaluating the algorithms of Electrocardiogram Rhythm and Morphology abnormality detection, Liu et a.l.* | 6877 | - | 500 | 16-bit | 15 (10-20) | E | China | IAVB, AF, LBBB, PAC, RBBB, NSR, STD, STE, VEB |
| CPSCB | *No official reference on this database* | 3 453 | - | 500 | 16-bit |  | E | China | IAVB, IIAVB, AF, AFAFL, AFL, AH, AMIs, AnMI, ATach, AVJR, AVB, BPAC, Brady, BTS, CAF, CMI, CHB, CRBBB, DIB, HTV, ILBBB, IRBBB, ISTD, JE, JPC, JTach, LAE, LAH, LBBB, LVH, LVS, MI, MIs, NSIVCB, NSSTTA, OldMI, PR, PAC, PVC, LQT, QAb, RAD, RAb, RAH, RVH, RBBB, SA, SB, NSR, SQT, STach, STC, SPRI, SAB, STD, STE, STIAb, SVPB, SVT, TAb, TInv, UAb, VBig, VEsB, VEsR, VF, VFL, VH, VPB, VPEx, VTach, VTrig |
| INCART | *PhysioNet database:* [*https://physionet.org/content/incartdb/1.0.0/*](https://physionet.org/content/incartdb/1.0.0/) | 75 | 32 | 257 | 16-bit |  | D | Russia | AB, AF, BPAC, Brady, BTS, BBB, CHD, FB, IR, LVH, Mol, MI, NSIVCB, PAC, RBBB, SAS, Tach, SVPB, VPVC, PAF, PSVT, PVT, SND, STD, STE, STIAb, SVB, SVT, TIA, TInv, VBig, VEB, VEsB, VTach, VTrig, WPW |
| GEORGIA | *No official reference on this database* | 10 344 | - | 500 | 16-bit |  | E | USA | IAVB, IIAVB, AJR, AF, AFL, AFAFL, AH, ALR, AMIs, AnMIs, AP, ATach, AVB, Brady, BBB, CHB, CRBBB, ERe, IIs, ILBBB, IRBBB, JE, JTach, LIs, LAE, LPFB, LAnFB, LAA, LAD, LBBB, LQRSV, LVH,  MI, NSIVCB, NSSTTA, PAC, LQT, QAb, RAD, RAb, RAAbRBBB, RVH, SA, SB, NSR, SPRI, STIAb, STach, STC, STD, STE, SVPB, SVT, TAb, TInv, VBig, VEB, VEsR, VF, VH, VPB, VPP, VPEx, VTrig, WAP, WPW |
| PTB | *PhysioNet Database*  *Bousseljot R, Kreiseler D, Schnabel, A. Nutzung der EKG-Signaldatenbank CARDIODAT der PTB über das Internet. Biomedizinische Technik, Band 40, Ergänzungsband 1 (1995) S 317* | 549 | 290 | 1 000 | 16-bit |  | E | Germany | AF, AFL, BBB, CD, CIAHB, CHD, HF, HVD, MI, NSR, PAF, RAF, STach, VF, VH, VTach, WPW |
| PTBXL | *PhysioNet Database*  *Wagner, P., Strodthoff, N., Bousseljot, R.-D., Kreiseler, D., Lunze, F.I., Samek, W., Schaeffter, T. (2020), PTB-XL: A Large Publicly Available ECG Dataset. Scientific Data. https://doi.org/10.1038/s41597-020-0495-6* | 21 837 | 18,885 | 500 | 16-bit |  | B | Germany | IAVB, IIAVB, abQRS, AF, AFL, AnMIs, AnMI, CHB, CRBBB, ICA, IIs, ILBBB, IRBBB, Lis, LAE, LPFB, LAnFB, LAD, LBBB, LQRSV, LVH,  MI, MIs, NSIVCB, NSSTTA, PR, PAC, PSVT, LPR, LQT, QAb, RAD, RAH, RVH, SA, SB, NSR, STach, STC, STD, STE, SVPB, SVT, TAb, TInv, VBig, VEB, VH, VTrig, WPW |
| Nature Database | *Automatic diagnosis of the 12-lead ECG using*  *a deep neural network,*  *Antônio H. Ribeiro* | 827 | 827 | 300-600 | 16-bit |  | A | Spain | IAVB, AF, LBBB, RBBB, SB, ST |
| Scientific Data Database | *A 12-lead electrocardiogram*  *database for arrhythmia research*  *covering more than 10,000 patients,*  *Jianwei Zheng* | 10 646 | 10 646 | 500 | 16-bit |  | A | China | IAVB, AF, AFL, LAD, LBBB, LQT, LPR, LQRSV, PVC, PAC, QAb, RAD, RBBB, STach, SNR, SB, SI, SVT, TAb, TInv, |
| LOBACHEVSKY | *PhysioNet DataBase*  *Kalyakulina, A.I., Yusipov, I.I., Moskalenko, V.A., Nikolskiy, A.V., Kozlov, A.A., Kosonogov, K.A., Zolotykh, N.Yu., Ivanchenko, M.V.: LU electrocardio-graphy database: a new open-access validation tool for delineation algorithms* | 200 | 182 | 500 | 16-bit |  | C | Russia | IAVB, CRBBB, ILBBB, IRBBB, LAD, LBBB, NSIVCB, RAD, SB, SA, SNR, STach, |
| PVC Initiative | *A 12-Lead ECG database to identify*  *origins of idiopathic ventricular*  *arrhythmia containing 334 patients, Zheng, Fu et a.l.* | 334 | 334 | 2 000 | 16-bit |  | A | China | PVC, VT |
| tLBBB Initiative | *Open THEW Initiative:*  *http://thew-project.org/Database/E-OTH-12-0602-024.html* | 602 | 599 | 1 000 | 16-bit |  | A | England | LBBB |