

LIST OF ABBREVIATION

CSO – Central Statistics Office

SES – Socioeconomic status

WHO – World Health Organization

USA – United States of America

USD – United States Dollar

Ca – Calcium

VDD – Vitamin D deficiency

ICMR – Indian Council of Medical Research

BMD – Bone mass density

IOF – International Foundation of Osteoporosis

VDI – Vitamin D insufficiency

RDA – Recommended daily allowances

UTs – Union territories

FGF – Fibroblast growth factor

DMPA – Depot medroxyprogesterone acetate

DIPART – Vitamin D Individual Patient Analysis of Randomized Trials

SD – Standard deviation

BMUs – Bone multi cellular units

PTH – Parathyroid hormone

RANKL – Receptor activator of nuclear factor kappa-B ligand

RANK – Receptor activator of nuclear factor Kb

OPG – Osteoprotegerin

CT – Computed tomography

MRI – Magnetic resonance imaging

DXA – Dual-energy X-ray absorptiometry

QUS – Quantitative ultrasound

FDA – Food and drug administration
RACGP –
PGIMER – Post Graduate Institute of Medical Education and Research
ECF – Extracellular fluid
FAO – Food and Agriculture Organization
ILSI – International Life Science Institute
ICMR – Indian Council of Medical Research
NIN – National Institute of Health
UVB – Sunlight or ultraviolet B
IU – International unit
IEHCR – Institutional Ethical committee
BMI – Body mass index
WHR – Waist hip ratio
JNC – Joint National Committee
FFQ – Food frequency questionnaire
mg – Milligram
BP – Blood pressure
Hb – Hemoglobin
EDTA – Ethylenediaminetetraacetic acid
CBC – complete blood count
CLIA – Chemiluminescence Immunoassay
WC – Waist circumference
HC – Hip circumference
GI – Gastro intestine
CVD – Cardio vascular diseases
CNS – Central nervous system
UAE – United Arab Emirates
LIG – Low income group
MIG – Middle income group
HIG – High income group
N/A – Not applicable
DM – Diabetes mellitus
HT – Hypertension
SBP – Systolic blood pressure

DBP – Diastolic blood pressure

NT – Normotensive

WBV – Whole body vibration exercise training program

M – Male

F – Female

Y – Young elderly

O – Old elderly

Hg – Mercury