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| Pathologies | % Population Gait affected by pathology | Reference |
| Stroke | 795000 Americans, 22.3 million Chinese suffer from stroke and world 2nd most leading cause of death. | <file:///C:/Users/AA/Downloads/sensors-19-01737.pdf> |
| Parkinson’s | Affecting about 1% of adults over 60 and 3% to 5% in people aged above 85 years of age.  FOG affecting 26% people with MPD and 80% with severe PD. | <https://www.sciencedirect.com/science/article/pii/S1873959813000410>  <https://link.springer.com/article/10.1007/s00415-022-11031-z> |
| Dementia | Dementia affects about 5% of the elderly population over age 65 years. | <https://www.sciencedirect.com/science/article/abs/pii/S0140673602116679> |
| Hemiplegia | In south India and adjoining rural areas, hemiplegia’s due to any cause is 56.9 per 100,000. | <https://www.ahajournals.org/doi/abs/10.1161/01.str.1.6.477> |
| Paraplegia |  |  |
| Cerebral Palsy | Preterm-born children comprise about 40% of the children with cerebral palsy in high income countries. | <https://www.sciencedirect.com/science/article/pii/S2214109X17303741> |
| Ataxia | Incidence of ataxia is approximately 1.5 per 100,000 person’s per year. | <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7516249> |
| Multiple Sclerosis | 41% of people having walking difficulty due to Multiple sclerosis has been reported. | <https://journals.lww.com/continuum/fulltext/2013/08000/gait_disorders_in_multiple_sclerosis.14.aspx?casa_token=6-cemhPzXLAAAAAA:PJO3sfmndQZIO_zDDSK1Ncu17pldcCAZ4prJXzkEQARe43bhOqLxRiEpGB0P3wHA6nXU02C64aZGsSfnOBil4YY86Eio> |
| Autism | It has been reported that the children’s with ASD of 59% and 79%  Motor skill, including deficits in coordination during gross and fine motor activities, balance skills, gait patterns, postural stability, joint flexibility, and movement speed. | <https://lerpediatrics.com/pediatric-feature/understanding-the-odd-gait-of-autism/> |
| Osteoarthritis | More than 250 million people suffer from knee OA worldwide, and 1%–2% of the gross national product is spent on OA. Knee OA causes pain and gait disturbances and has a characteristic gait pattern | <https://www.hindawi.com/journals/aorth/2019/9757369/> |
| Osteoporosis | **Osteoporosis occurs in approximately 300,000 Swedish women aged 50 – 89 years, and the prevalence increases with age.**  **The risk of suffering from a fracture due to osteoporosis has increased two to three times since the 1950s in Scandinavia.**  **Osteoporosis in the elderly with fear of falling may further implicate gait alterations.**  **Fear of falling occurs in up to 85% of elderly people, with higher prevalence amongst women and increasing with age.**  **Fear of falling has been associated with altered spatiotemporal gait characteristics, increased risk of falling, and severe osteoporosis.**  **Considering the increased risk of fractures amongst elderly persons with osteoporosis, fear of falling in combination with osteoporosis may affect spatiotemporal gait characteristics.** | Gait characteristics in older women with osteoporosis and fear of falling. |
| Aged population | Prevalence of gait disorders increases from 10 % in people aged 60–69 years to more than 60 % in community dwelling subjects aged over 80 years and after 60 years walking speed reduces 1% every year. | <https://link.springer.com/article/10.1007/s00508-016-1096-4>  <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4498008/> |