

## Department of Community Medicine

### Publications in the year 2022-23 and 2023-24

1. Krishnamoorthy Y, Kala, Kuberan D, Krishnan M, **Tondare D**. Compliance with hand hygiene practices and its appropriateness among healthcare workers during COVID-19 pandemic in public health facilities of Tamil Nadu, India. Heliyon [Internet]. 2023;9(4):e15410. Available from: <http://dx.doi.org/10.1016/j.heliyon.2023.e15410>
2. Sundaran, Stefi; Darivemula, Surendra Babu; Bala, Sudha; **Tondare, Devidas Prabhakarrrao**; Kumar, S. Ajith; Molagara, Sruthi. Prevalence of unmet need for contraception among married women aged 15–49 years in urban and rural areas of Telangana. Indian Journal of Health Sciences and Biomedical Research KLEU 17(2):p 119-124, May–Aug 2024. | DOI: 10.4103/kleuhsj.kleuhsj\_595\_23
3. **Sudha Bala**, Surendra Babu, Shrikanth Muralidharan, Mary Moses. P, Nayana K. Hashilkar, Shilpa Bhimalli. Comparison of Traditional lecture and Interactive Teaching Methods in Large Group Teaching of Non Communicable Diseases: A Quasi Experimental Study. Healthline. 2024; 15 (2): 107-112
4. SailajaVani Batchu, **Sudha Bala**, E. Kalyankumar, Srinivasa Raochunchu, Dhanalakshmi Annavarapu. Immunological Effect of the drug “Immune”- an Ayurveda medication in COVID-19 patients- A Randomized Control Trial. Annals of Ayurvedic Medicine.2024; 13(2): 93-101
5. **Bala S**, Babu S, Raj A, Varghese A, Aiswarya S R, Nair A. Assessment of Self-Care Practices among Type 2 Diabetes Mellitus Patients attending Health CareCentres of Urban Area of Hyderabad, India. Healthline. 2024; 15 (1): 80-85
6. Emmadisetty S, Jogi S, Yerra AK, **Bala S**, d’ souza A. Perception of Undergraduate Medical Students in the Online OG Learning During COVID-19 Pandemic- A Cross Sectional Study at a Tertiary Care Medical College. Journal of Pioneering Medical Sciences. 2024 Feb;13(1):6-11.
7. Krishnan Y, **Bala S**, Pasam VKG, Alphin AF, Vallamalla P. Association between Migraine and Cardiovascular Diseases among Women of a Tertiary Care Hospital, Hyderabad – A Case–Control Study. Indian J Cardiovasc Dis Women. 2024;9:4-9. doi: 10.25259/IJCDW\_70\_2023

8. **Bala, Sudha**; Darivemula, Surendra Babu; Animalla, Venkatesham; Bandaru, Rajiv Kumar<sup>1</sup>. Long Coronavirus Disease 2019 Sequel among Cohorts Admitted to a Tertiary Care Hospital, Hyderabad. *APIK Journal of Internal Medicine* : 10.4103/ajim.ajim\_69\_23, August 22, 2023. | DOI: 10.4103/ajim.ajim\_69
9. Mehdi Ali Mirza, **Sudha Bala**, Rajiv Kumar Bandaru, Mallikharjuna Kampally, Sowjanya Patibandla. Validation of Wireless Real-Time Multi-Vitals Monitoring Solution for Utility in Remote Patient Monitoring at Clinical Care Practice. *Acta Biomed* 2023; 94(1): 1893-1908.
10. **Bala S**, Agarwal S, Bandaru RK, Mirza MA, Kampally M, Animalla V, *et al*. Screening of cardiac rhythm disorders in women working at information technology sector using continuous ambulatory wireless cardiac monitoring – A community-based study. *Indian J Cardiovasc Dis Women* 2023;8:11-7.
11. Mehdi Ali Mirza, **Sudha Bala**, Rajiv Kumar Bandaru, Mallikharjuna Kampally, Sowjanya Patibandla. Validation of wireless real-time multi-vitals monitoring solution for utility in remote patient monitoring at clinical care practice. *Acta Biomed* 2023; 94(1): 1893-1908.
12. **Bala S**, Aravind B M, Kadas S, Pandve H, Shukla S, Rajesham A, Arnipalli H. Usability of medication event reminder monitoring system and other determinants to improve the adherence to anti-tuberculosis drugs among patients of tertiary care hospital, Hyderabad. *BLDE Univ J Health Sci* 2023;8:42-6
13. Palagiri, Sushma; **Bala, Sudha**, Pandve, Harshal; Polamuri, Chandralekha; Katkuri, Sushma. Hypertensives versus Normotensives: Study on Coping Strategies and Lifestyle Determinants among Industrial Workers, Hyderabad, South India. *Indian Journal of Occupational and Environmental Medicine* 27(2):p 155-158, Apr–Jun 2023
14. Srinivasa Rao Chunchu, **Sudha Bala**, Rajiv Kumar B, Ushasree Ravula. Impact of COVID-19 pandemic on blood donation during 1st wave in India: Understanding regular blood donors and non-blood donor's perspective, attitudes, and practices. *Asian Journal of Medical Sciences* Feb 2022 ;13 (2): 18-26
15. **Bala, S.**, Pandve, H., Katkuri, S., & Nikhil, T. Measurement of risk and stressors of post-traumatic stress disorder during the first

- lockdown period of COVID-19 among Industrial workers, Hyderabad, India. International Journal of Occupational Safety and Health.2022;12(2):104–110.
16. Archana Mavoori, Sneha Pamar **Sudha Bala**. Efficacy of secukinumab in the treatment of moderate severe plaque psoriasis at a tertiary care teaching hospital in India. Iran J Dermatol 2021; 24: 255-261
  17. **Bala S**, Yerra AK, Katkuri S, Podila KS, Animalla V. Evaluation of simulation skills of healthcare workers at a tertiary care center: A perspective towards coronavirus disease 2019 (COVID-19) third wave preparation. J Fam Community Med 2022;29:102-7
  18. Ganesh Anjani Sharma<sup>1</sup> **Sudha Bala**, Arun Guddeti, Sushma Katkuri, Suneeth Jogi, Jahnvi Dharmana. . Estimation of Cardiovascular Risk Profile among Diabetic Patients Attending Tertiary Care Hospital. Indian Journal of Cardiovascular Disease in Women. 2022;7(1): 17-24
  19. Dr C. Anila Rao , **Dr Sudha Bala** , Dr M. Shyam Sunder , Dr Shrikanth Murlidharan , Dr Sushma Katkuri. Assessment Of Mental Workload And Stress Levels During Covid19 Among Doctors. Journal of Pharmaceutical Negative Results .2022 ; 13(7) : 1574-78
  20. Darivemula SB, Dara C, Sagar T, **Bala S**, Animalla V. An observational comparative study of clinic epidemiological profile of COVID-19 patients admitted in the tertiary care hospital during first and second wave on pandemic. Biomed Biotechnol Res J. 2023;7:79-82.
  21. Parimi VP, Mirza MA, Bandaru RK, Surapareddy B, **Bala S**, Rakesh S. Adverse effect profile with low-dose methotrexate therapy in patients suffering with rheumatic diseases. Natl J Physiol Pharm Pharmacol 2023;14 (Online First). DOI: 10.5455/njppp.2023.13.0943120232409
  22. **Darivemula SB**, Vishwajeeth G, Pooja G, Prathyusha G, Pavani G, Sahithya G, et al. A comparative study on knowledge and awareness regarding type-2 diabetes mellitus and its complications among urban and rural patients. BLDE Univ J Health Sci 2022;7:276-81.
  23. **Darivemula, Surendra Babu<sup>1</sup>**,; Dara, Chennakesavulu<sup>2</sup>; Sagar, Triveni<sup>2</sup>; Bala, Sudha<sup>1</sup>; Animalla, Venkatesham<sup>1</sup>. An Observational

- Comparative Study of Clinicoepidemiological Profile of COVID-19 Patients Admitted in the Tertiary Care Hospital During First and Second Wave on Pandemic. Biomedical and Biotechnology Research Journal (BBRJ) 7(1):p 79-82, Jan-Mar 2023. | DOI: 10.4103/bbrj.bbrj\_2\_23
24. Mood, Narayan, **Darivemula, Surendra Babu**, Shravani, Sreeram, Kavyasri, Kotte, Kiran, J Ravi. A comparative study on COVID-19 disease severity and outcome among patients admitted before and after vaccination at tertiary care hospital. Journal of Family Medicine and Primary Care 12(12):p 3115-3118, December 2023. | DOI: 10.4103/jfmpc.jfmpc\_2238\_22
  25. **Babu, S.**, Nagoor, K., Narayana, M., Bala, S., & Animalla, V. (2023). Impact on quality of life among health care workers: a case-control study of COVID-19 pandemic situation. International Journal of Community Medicine And Public Health, 10(12), 4718–4722. <https://doi.org/10.18203/2394-6040.ijcmph20233769>
  26. Bala, Sudha; **Darivemula, Surendra Babu**; Animalla, Venkatesham; Bandaru, Rajiv Kumar<sup>1</sup>. Long Coronavirus Disease 2019 Sequel among Cohorts Admitted to a Tertiary Care Hospital, Hyderabad. APIK Journal of Internal Medicine 12(2):p 108-112, Apr-Jun 2024. | DOI: 10.4103/ajim.ajim\_69\_23
  27. Sundaran S, **Darivemula SB**, Bala S, Tondare DP, Kumar SA, Molagara S. Prevalence of unmet need for contraception among married women aged 15–49 years in urban and rural areas of Telangana. Indian J Health Sci Biomed Res 2024;17:119-24.
  28. Sanajana Agrawal, **Sonal Dayama**, Abhiruchi Galhotra; Pharmacovigilance in India : Dont take a chill pill. International Journal of Current Research and Review. 2022.4(14)
  29. Agarwala, Pragya; Bhargava, Anudita; Gahwai, Dharmendra Kumar; Negi, Sanjay Singh; Shukla, Priyanka; Dayama, **Sonal**; Epidemiological Characteristics of the COVID-19 Pandemic During the First and Second Waves in Chhattisgarh, Central India: A Comparative Analysis. Cureus. 2022 4(14)
  30. Agrawal, Sanjana; **Dayama, Sonal**; Galhotra, Abhiruchi; "Vaccinate every child against COVID-19": A scientific or socioeconomic need? Journal of Family Medicine and Primary Care. 2022.5(11):1658-1663

31. Agrawal, Sanjana; **Dayama, Sonal**; Galhotra, Abhiruchi; COVID-19 mental health challenges: A scoping review. *Journal of Education and Health Promotion*. 2022.11:375
32. Chobe M, Chobe S, **Dayama S**, Singh A, Metri K, Basa JR, Raghuram N. Prevalence of Non-Communicable Diseases and Its Associated Factors Among Urban Elderly of Six Indian States. *Cureus*. 2022 Oct 10;14(10)
33. **Dayama, S.**, Gahwai D., Sundrani, O. and Shukla, P. (2023) 'Covid Death Audit as a system strengthening tool in the state of Chhattisgarh', in Bhattacharya, S., Tripathi, S., Varshney, S. *Public Health Chronicles - A Collection of Global Case Reports*. 1st edn. White Falcon Publications.
34. Agrawal S, Gahwai D K, **Dayama S**, et al. (August 08, 2023) An Analysis of COVID-19 Mortality in Chhattisgarh: A Two-Year Study on Demographics, Trends, and Impacts. *Cureus* 15(8): e43155. doi:10.7759/cureus.43155
35. Sinha, I; **Dayama S**. Antimicrobial stewardship in low- and middle-income countries: Developing a broader perspective through an ethical analysis. *Indian Journal of Medical Ethics*, nov. 2023. ISSN 0975-5691. Available at: <<https://ijme.in/articles/antimicrobial-stewardship-in-low-and-middle-income-countries-developing-a-broader-perspective-through-an-ethical-analysis/>>. Date accessed: 25 Nov. 2023.
36. **Alekhyia G**, Parida SP, Giri PP, Begum J, Patra S, Sahu DP. Effectiveness of school-based sexual and reproductive health education among adolescent girls in Urban areas of Odisha, India: a cluster randomized trial. *Reproductive Health*. 2023 Jul;20(1):1-2.
37. **Alekhyia G**, Sahu DP, Behera P. The top 100 cited articles in menstrual health among adolescent girls: a citation analysis. *Reprod Health*. 2023 Aug; 20(1):1–15.
38. **Durga A**, B Kiranmai, Adarsh Kumar K. A Cross Sectional Study on Nutritional Status and Risk Factors Associated with Malnutrition among Elderly Population in Hyderabad. *Healthline*. 2022; 13(1) : 74-78 .
39. Malavika TP, Narayan M, **Gowda BC**. Association of Obstructive Sleep Apnea and Coronary Artery Diseases in Women of a Tertiary Care Hospital. *Indian J Cardiovasc Dis Women*. 2024 Jul 20;0:1–5.

## Ongoing Projects

### Thesis

<b>Name of PG, Batch</b>	<b>TITLE</b>	<b>GUIDE</b>
Dr STEFI M S, 2022	"Estimating the need for palliative care and exploration of barriers and facilitators to palliative care among urban and rural areas of Telangana. A mixed methods study,"	Dr Devidas Tondare
Dr AJITH KUMAR S, 2022	Effectiveness of health promotion intervention to prevent risk factors of chronic diseases among the government school-going children in the field practice area of UPHC Sanathnagar: A Cluster Randomized Controlled Trial	Dr Devidas Tondare
Dr M. SRUTHI, 2022	Reversal of Risk factors of non-communicable diseases among Industrial workers- Quasi Experimental Study	Dr Devidas Tondare
Dr I. Susheela, 2023	Prevalence of occupational injuries and its impact on return to work and mental health of the workers attending Emergency Department of a tertiary care hospital in Telangana	Dr Devidas Tondare
Dr. G. Manisha, 2023	A study on sleep quality and quantity and their impact on fasting blood glucose among Industrial workers, A cross sectional study	Dr. Sudha Bala
DR G. VINOLYA, 2023	Out of pocket expenditure and patient satisfaction among chronic kidney disease patients at a tertiary care hospital in South India: A mixed method study.	Dr. Suchita N Kawale

### Short Projects

<b>Name of PG, Batch</b>	<b>TITLE</b>	<b>GUIDE</b>
Dr STEFI M S, 2022	Palliative Care Knowledge Among Nursing Professionals in Telangana: A Cross-Sectional Study	Dr Sudha Bala
Dr AJITH KUMAR S, 2022	A Cross-sectional study of association of Conicity index and A body shape index with known cases of Hypertension and Diabetes Mellitus in rural health training centre attached to tertiary health care	Dr Suchita N Kawale
Dr AJITH KUMAR S, 2022	Knowledge, Attitude, and Practice of Artificial Intelligence among undergraduate & postgraduate medical students in South India: A Cross-Sectional Study	Dr Suchita N Kawale
Dr AJITH KUMAR S, 2022	Prevalence & Predictors of Work-related Musculoskeletal Disorder among Industry Workers in Hyderabad – A Cross-sectional Study	Dr Surendra Babu
DR. G. VINOLYA, 2023	A study on Workplace Wellbeing of housekeeping and security staff at a tertiary health centre in Telangana: A cross-sectional study.	Dr. Surendra Babu
DR. G. VINOLYA, 2023	Respectful Maternity Care in field practice areas of Department of Community Medicine - A Cross-Sectional Study.	Dr. Suchita N Kawale
Dr. G. Manisha, 2023	Self-Care Activities among Industrial Hypertensive workers. A cross-sectional study.	Dr. Surendra Babu
Dr. G. Manisha, 2023	A cross sectional study on need of supportive counselling among first year Undergraduate Medical Students of Tertiary care centre, Telangana.	Dr. Suchita N Kawale