

REFERENCES

1. Irwin LG. Siddiqui A. Hertzman C. Early Child Development-A Powerful Equalizer. WHO.2007:15
2. World Health organization. Child Health. Available from: https://www.who.int/health-topics/child-health#tab=tab_1
<https://www.graygroupintl.com/blog/early-childhood-development-stages>
3. Education Encyclopedia. Stages of growth in child development [Internet]. [Cited on 11.01.2022]. Available from: <https://education.stateuniversity.com/pages/1826/Child-Development-Stages-Growth.html>
4. World Health organization. Promoting healthy growth and development. Available from: <https://www.who.int/activities/promoting-healthy-growth-and-development>
5. UNICEF. Under mortality [Internet]; 2021 [cited 2023 Jan 1st]. Available from <https://data.unicef.org/topic/child-survival/under-five-mortality/>
6. UNICEF. Childhood disease [Internet]; 2021 [cited 2023 Jan 1st]. Available from <https://www.unicef.org/health/childhood-diseases>
7. World Health Organization. Newborn mortality. [cited on 28.01.22]. Available from <https://www.who.int/news-room/fact-sheets/detail/levels-and-trends-in-child-mortality-report-2021>
8. World Health Organization. Children: Improving survival and well-being. [cited on 08.09.20]. Available from <https://www.who.int/news-room/fact-sheets/detail/children-reducing-mortality>

9. Ramani VK, Pattankar J, Puttahonnappa SK. Acute respiratory infections among under five age group children of Gulbarga City: A longitudinal study. *Journal of Clinical and Diagnostic Research*. 2016; 10(5): 8-13. doi: 10.7860/JCDR/2016/15509.7779
10. NFHS-5 (2019-21). Ministry of health and family welfare government of India. [cited on 22.09.21]. Available from https://main.mohfw.gov.in/sites/default/files/NFHS-5_Phase-II_0.pdf
11. Jin X, Ren J, Li R, Gao Y, Zhang H, Li J et al. Global burden of upper respiratory infection in 204 countries and territories. *Eclinical Medicine*. 2021; 37: 1-8. doi.org/10.1016/j.eclinm.2021.100986
12. World Health Organization. The Global Health Observatory. Available from <https://www.who.int/data/gho/indicator-metadata-registry/imr-details/3147>
13. Chandy S, Manoharan A, Hameed A, Jones LK, Nachiyar GS, Ramya MS et al. A study on pediatric respiratory tract infections in hospitalized children from Chennai. *Clinical Epidemiology and Global Health*. 2022; 15: 1-4. doi.org/10.1016/j.cegh.2022.101067
14. Kumar GS, Majumdar A, Kumar V, Naik BN, Selvaraj K, Balajee K. Prevalence of acute respiratory infection among under five children in urban and rural areas of Puducherry. *Journal of Natural Science, Biology and medicine*. 2015; 6(1): 3-6. doi:10.4103/0976-9668.149069.
15. Healthline. Acute respiratory infection. [cited on 4.03.19]. Available from <https://www.healthline.com/health/acute-respiratory-disease>
16. Cleveland clinic. Upper respiratory infection. Available from <https://my.clevelandclinic.org/health/articles/4022-upper-respiratory-infection>

17. America's Best Care Plus. Acute respiratory tract infection. Available from <https://americasbestcareplus.com/acute-respiratory-infection-causes-symptoms-diagnosis/>
18. Thomas M, Bomar PA. Upper respiratory infection. National Library of Medicine. [cited on 26.06.23]. Available from <https://www.ncbi.nlm.nih.gov/books/NBK532961/>
19. Siddik AB, Tanvir NA, Bhuyan GS, Alam S, Islam Z, Bulbul RH et al. Bacterial and viral aetiology of acute respiratory infection among Myanmar Nationals. *PLOS neglected tropical disease*. 2023; 17(4): 1-28. doi.org/10.1371/journal.pntd.0011189
20. Korsman SNJ, Zyl GUV, Nutt L, Andersson MI, Preiser W. Respiratory viruses. *Virology*. 2012: 108-109. doi.org/10.1016/B978-0-443-07367-0.00047-1
21. Radhi AS. Fever in common infectious diseases. *Clinical Manual of fever in children*. 2019: 85-140. doi: 10.1007/978-3-319-92336-9_5
22. Goel K, Ahmad S, Agarwal G, Goel P, Kumar V. A cross sectional study on prevalence of acute respiratory infection in under five children of Meerut. *Journal of Community Medicine and Health education*. 2012. [doi:10.4172/2161-0711.1000176](https://doi.org/10.4172/2161-0711.1000176)
23. Haseen S, Getachew M, Eneyew B, Keleb A, Ademas A, Berhun G et al. Determinants of acute respiratory infection among under five children in rural areas of South Wollo, Ethiopia. *International journal of Infectious diseases*. 2020; 96: 688-695. doi.org/10.1016/j.ijid.2020.05.012
24. Healthline. Acute respiratory Infection. [cite on 4.03.19]. Available from <https://www.healthline.com/health/acute-respiratory-disease#prevention>

25. Chalabi DAK. Acute respiratory infection and malnutrition among children below 5 years of age in Iraq. *Eastern Mediterranean Health*. 2013; 19(1). 66-70.
26. Koofy NM, Shabrawi MH, Alim BA, Zein MM, Badawi NE. Pattern of respiratory tract infections in children under five years of age in a low middle income country. *Journal of Egyptian Public Health association*. 2022; 97: 1-8. doi.org/10.1186/s42506-022-00118-0
27. Bhat R, Manjunath. Correlates of acute lower respiratory infection in children under 5 years of age in India. *The International journal of Tuberculosis and Lung Disease*. 2013; 17(3): 418-422. DOI:10.5588/ijtld.12.0117
28. Rahman A, Hossain M. Prevalence and determinants of fever, ARI and diarrhea among children aged 6-59 months in Bangladesh. *BMC pediatrics*. 2022; 22(117): 2-12. doi: 10.1186/s12887-022-03166-9
29. Murakar S, Gothankar J, Doke P, Dhumale G, Pore PD, Lalwani S et al. Prevalence of Acute respiratory infection and associated factors in the rural areas and urban slum areas of Maharashtra. *Frontiers in Public Health*. 2021;9: 1-7. doi.org/10.3389/fpubh.2021.723807
30. Noban MS, Elnimeiri MK. Mothers knowledge, attitude and practice regarding acute respiratory infections in children under five years/urban and rural areas. *Electronic Journal of University of Aden for Basic and Applied Science*. 2022; 3(2): 93-100. doi.org/10.47372/ejua-ba.2022.2.157
31. Aboulazam SF, Darwish AM, Okasha M. Mother's Knowledge and belief about management of acute respiratory infection among children in Alexandria city. Available from

https://applications.emro.who.int/imemrf/Alexandria_j_Pediatrics/Alexandria_j_Pediatrics_1998_12_2_241.pdf

32. Padmini AK, Viswanathan G. Child rearing beliefs and practices among mothers in South Kerala. *World-wide Journal of Multidisciplinary Research and Development*. 2021; 7(6): DOI :12-14. 10.17605/OSF.IO/G4BPS
33. Ujunwa FA, Ezeonu CT. Risk factors for acute respiratory infections in under five children in Nigeria. *Annals of Medical and Health Sciences Research*. 2014; 4(1): 95-99. doi: 10.4103/2141-9248.126610
34. Study.com. Sensitive Periods of Development. [cited on 21.11.23]. Available from <https://study.com/academy/lesson/the-sensitive-periods-of-development-birth-to-age-6.html>
35. Taksande AM, Yeole. Risk factors of acute respiratory infection in under-fives in a rural hospital of Central India. *Journal of Pediatric and Neonatal individualized Medicine*. 2015; 5(1):1-6. doi: 10.7363/050105
36. World Health Organization. Infant and Young child feeding. National Library of Medicine. 2009. Available from <https://www.ncbi.nlm.nih.gov/books/NBK148967/>
37. World Health Organization. Infant mortality. Available from <https://www.who.int/data/gho/data/themes/topics/indicator-groups/indicator-group-details/GHO/infant-mortality>
38. World Health Organization. Children: Improving survival and wellbeing. Available from <https://www.who.int/news-room/fact-sheets/detail/children-reducing-mortality>
39. UNICEF. Under five mortality. [cited on 2023 January]. Available from <https://data.unicef.org/topic/child-survival/under-five-mortality/>

40. National Family Health Survey 5 (2019-21). Union Territory Fact Sheet, NCT Delhi. Available from https://rchiips.org/nfhs/NFHS-5_FCTS/NCT_Delhi.pdf
41. Zeru T, Berihu H, Buruh G, Gebrehiwot H. Magnitude and factors associated with upper respiratory tract infection among under five children in public health institutions of Northern Ethiopia. *Pan African Medical Journal*. 2020; 36(307): 1-15. doi: 10.11604/pamj.2020.36.307.17849
42. Selvaraj K, Chinnakali P, Majumdar A, Krishnan IS. Acute respiratory infection among under five children in India. *Journal of Natural Science, Biology and Medicine*. 2014; 5(1): 15-20. doi: 10.4103/0976-9668.127275
43. Merera AM. Determinants of acute respiratory infection among under five children in rural Ethiopia. *BMC infectious disease*. 2021; 21. doi.org/10.1186/s12879-021-06864-4
44. Lyse MS, Nair RC, Choo KE, Kaur H, Lai KP. Acute respiratory infection: a community-based intervention study in Malaysia. *Journal of Tropical Pediatrics*. 1996; 42(3): 138-143. doi.org/10.1093/tropej/42.3.138
45. Balasubramani K, Prasad KA, Kodali NK, Rasheed NKA, Chellappan S, Sharma DK. Spatial epidemiology of acute respiratory infections in children under 5 years and associated factors in India. *Frontiers in Public Health*. 2022; 10. doi.org/10.3389/fpubh.2022.906248
46. Walke SP, Das R, Acharya AS, Pemde HK. Incidence, Pattern and Severity of acute respiratory infections among infants and toddler of a Peri-Urban Area of Delhi. *International Scholarly Research Notices*. 2014; 1-6. doi.org/10.1155/2014/165152
47. Rakhmani AN, Arisanti N, Dhamayanti M, Wiwaha G, Mutyara K, Setiawati EP. A Qualitative study on family role in the care and prevention of acute

- respiratory infection among children in primary health care. *Global Pediatric health*. 2020; 7: 1-8. DOI: 10.1177/2333794X20969273.
48. Ferdous F, Farzana FD, Ahmed S, Das SK, Malek MA, Das J et al. Mother's perception and healthcare seeking behavior of pneumonia children in rural Bangladesh. *ISRN Family Medicine*. 2014; 90315: 1-8. dx.doi.org/10.1155/2014/690315.
49. Ingram J, Cabral C, Hay AD, Lucas PJ, Horwood J. Parents information needs, self-efficacy and influences on consulting for childhood respiratory tract infections: A qualitative study. *BMC Family Practice*. 2013; 14 (106): 1-9.
50. Kauchali S, Rollins N, Bland R, Broeck JV. Maternal perceptions of acute respiratory infection in children under 5 in rural South Africa. *Tropical Medicine and International Health*. 2004; 9(5): 644-650.
51. Kumar R, Kant AR, Jaiswal A, Gupta G, Agarwal D. Study of prevalence of acute respiratory tract infection and its factors among under five children of slums of Ghaziabad. *Scholarly journal*. 2022; 25: 1264-1271. DOI:10.18137/cardiometry.2022.25.12641271.
52. Vinod A, Kaimal RS. Study on acute respiratory infection in children aged 1 year to 5 years-A hospital based cross sectional study. *Journal of Family Medicine and Primary Care*. 2023; 12(4): 666-671. doi: 10.4103/jfmpe.jfmpe_1748_22.
53. Zebua D, Alfionita I, Lawa Y, Siregar D, Harefa L. Acute respiratory infection and its associated factors among children under five years. *Enfermeria Clinica*. 2023; 33(1):550-554.

54. Hossain S, Tasnim S, Chowdhury A, Chowdhury FIF, Hossain D, Rahman M. Under five children's acute respiratory infection dropped significantly in Bangladesh: An evidence from Bangladesh demographic and health survey, 1996-2018. *Acta Paediatrica Nurturing the Child*. 2022; 111(10): 1981-1994. doi.org/10.1111/apa.16447.
55. Salmaddiina A, Fitria L, Nabila S. Association between environmental factors and the incidence of acute respiratory in children under five in East Nusa Tenggara, Indonesia. *Malaysian Journal of Medicine and Health sciences*. 2022; 18(4): 35-42. DOI: 10.47836/mjmhs.18.4.6.
56. Hasan M, Saha KK, Yunus RM, Alam K. Prevalence of acute respiratory infections among children in India: Regional inequalities and risk factors. *Maternal and Child Health Journal*. 2022; 26: 1594-1602. doi.org/10.1007/s10995-022-03424-3.
57. Ghimire P, Gachhadar R, Piya N, Shrestha K, Shrestha K. Prevalence and factors associated with acute respiratory infection among under five children in selected tertiary hospitals of Kathmandu Valley. *PLOS ONE*. 2022; 17(4): 1-11. doi.org/10.1371/journal.pone.0265933.
58. Ahmed I, Kazi NH, Bhand SA, Memon YA. Upper and lower respiratory tract infections: One year based observational study in pediatric population. *Pakistan Journal of Medical & Health Sciences*. 2022; 16(5): 129-130. doi.org/10.53350/pjmhs22165129.
59. Ahire N, Dakhane S, Sonawane R, Sonawane S. Modifiable risk factors in acute lower respiratory tract infection in under 5 children. *MVP Journal of Medical Sciences*. 2022; 9(1): 46-47.

60. Putri SR, Maharani F, Romdhoni AC. Acute respiratory infections in children under five years because of the smoking parents: Literature review. *World Journal of Advanced Research and Reviews*. 2022; 16(3): 577-582. doi.org/10.30574/wjarr.2022.16.3.1369.
61. Kumar P, Patra P, Paul R, Roy M, Khatun S, Ghosh L et al. A study to assess the level of knowledge regarding prevention and management of acute respiratory infection among mothers of children 0-5 years in selected hospital in Siliguri. *International Journal of Research in Medical Sciences*. 2022; 10(9): 1979-1982.
62. Demissie BW, Amele EA, Yitayew YA, Yalew ZM. Acute lower respiratory tract infections and associated factors among under five children visiting Wolaita Sodo University Teaching and Referral Hospital, Wolaita Sodo, Ethiopia. *BMC Pediatric*. 2021; 21(1): 413.
63. Enyew HD, Mereta ST, Hailu AB. Biomass fuel use and acute respiratory infection among children younger than 5 years in Ethiopia: a systematic review and metaanalysis. *The Royal Society for Public Health*. 2021; 193: 29-40. doi.org/10.1016/j.puhe.2020.12.016.
64. Swathi R, Kishore SV, Pradhan M, Champatiray J. Risk factors and outcome of respiratory disease in children aged between 2 months to 5 years: A prospective observational study. 2021; 15(11): 19-23. DOI: 10.7860/JCDR/2021/49098.15677.
65. Srivastava S, Mishra PS, Sinha D, Kumar P. Population attributable risk for breastfeeding practices on diarrhea and acute respiratory infections children aged 0-23 months in India-What we know and we do not know. *Children and*

- Youth Services Review. 2020; 119 (105531). doi.org/10.1016/j. childyouth. 2020.105531.
66. Savitha AK, Gopalakrishnan S. Determinants of acute respiratory infections among under five children in a rural area of Tamil Nadu, India. *Journal of Family Medicine and Primary Care*. 2018; 7: 1268-73.
DOI: 10.4103/jfmpe.jfmpe_131_18
67. Tazinya AA, Ekane GEH, Mbuagbaw LT, Abanda M, Atashili J, Obama MT. Risk factors for acute respiratory infections in children under five years attending the Bamenda Regional Hospital in Cameroon. *BMC Pulmonary Medicine*. 2018; 18(7): 1-8. DOI 10.1186/s12890-018-0579-7.
68. Admasie A, Kumie A, Worku A. Children under five from houses of unclean fuel sources and poorly ventilated houses have higher odds of suffering from acute respiratory infection in Wolaita -Soda, Southern Ethiopia: A case-control study. *Journal of Environmental and Public Health*. 2018: 320603. 1-10. doi.org/10.1155/2018/9320603.
69. Raykarmakar P, Paul A. Prevalence of acute respiratory infection and its different correlates among under five children of a slum of Kolkata. *Journal of Comprehensive Health*. 2017; 5(1): 87-96.
70. Krishnan A, Amarchand R, Gupta V, Lafond KE, Suliankatchi RA, Saha S et al. Epidemiology of acute respiratory infections in children- preliminary results of a cohort in a rural north Indian community. *BMC Infectious Diseases*. 2015; 15 (462): 1-10. DOI 10.1186/s12879-015-1188-1.
71. Ranganathan D, Redy P, Kokiwar PR. An appraisal of ARI among under five children in an urban slum area. *International Journal of Pharmaceutical and Medical Research*. 2015; 3(3): 1-4.

72. Singh HN, Singh TH. Study on prevalence of ARI among under five children of a rural area of Manipur, Thanga. *Journal of Evolution of Medical and Dental Sciences*. 2014; 3(7): 1757-1762. DOI: 10.14260/jemds/2014/2054.
73. Choube A, Kumar B, Mahmood SE, Srivastava A. Potential risk factors contributing to acute respiratory infections in under five age group children. *International Journal of Medical Science and Public Health*. 2014; 3(11). DOI: 10.5455/ijmsph.2014.200820141.
74. Alam M, Bhuia MR, Lovely NS, Hossain MK, Das SK. Acute respiratory infection and its determinants for Banglaeshi under 5 children. *Bangladesh Journal of Progressive Science & Technology*. 2013; 11(1): 125-132.
75. Khalequzzaman, Kamijima M, Sakai K, Ebara T, Hoque BA, Nakajima T. Indoor air pollution and health of children in biomass fuel-using household of Bangladesh: comparison between urban and rural areas. *Environ Health Prev Medicine*. 2011; 16: 375-383. DOI 10.1007/s12199-011-0208-z.
76. Bansal A. A study to assess the knowledge regarding acute respiratory infections and its prevention among mothers of fewer than five in rural community of Meerut. *International Journal of Advance Research in Community Health Nursing*. 2022; 4(2): 5-8.
77. Muthukumaran A. A study to assess the effectiveness of structured teaching program on knowledge and practice regarding prevention of acute upper respiratory tract infection among mothers of under five children in selected hospital, Lucknow. *Journal of Educational Technology in Health Science*. 2022; 9(2): 37-43. doi.org/10.18231/j.jeths.2022.010.
78. Kavungal T. Assess the knowledge and effectiveness of structured teaching program regarding acute respiratory tract infection among mothers of under

- five children. *International Journal of Advances in Nursing Management*. 2021; 9(2): 127-130. DOI: 10.5958/2454-2652.2021.00031.7.
79. Raja R, Kumar S, Kumar S, Joseph L. A study to assess the effectiveness of structured teaching program regarding knowledge on acute respiratory tract infection among the mothers of under five children in semi urban area at Sasaram. *International Archives of Integrated Medicine*. 2021; 8(9): 32-37.
80. Kareem MA, Abed MT, Mohammed H. Mother's practice of knowledge concerning their children under five years with upper respiratory tract infections. *Annals of the Romanian Society for Cell Biology*. 2021; 25(3): 7295-7304.
81. Kumar P, Gupta MK. A study to assess the effectiveness of structured teaching program on knowledge regarding prevention of upper respiratory tract infection among mothers of under five children in pediatric ward at Era's Lucknow Medical college & Hospital. *International Journal of Advanced Research*. 2020; 8(3): 892-901. doi.org/10.21474/IJAR01/10704
82. Bhalla K, Gupta A, Nanda S, Mehra S, Verma S. Parental knowledge and common practices regarding acute respiratory infections in children admitted in a hospital in rural setting. *Journal of Family Medicine and Primary Care*. 2019; 8(9): 2908-2911. DOI: 10.4103/jfmpc.jfmpc_510_19.
83. Shiva N, Nayak BS. Practice of home remedies among mothers of under five children with upper respiratory tract infection. *International Journal of Nursing Education*. 2019; 11(1): 10-12.
84. Ariyalakshmi B. A study to assess the knowledge on acute respiratory tract infection among mothers of under five children in a selected Hospital, Chennai. *International Journal of Midwifery Nursing*. 2018; 1(1): 20-25.

85. Fakunle AG, Ogundare JO, Adelekan AL, Bello TA. Household cooking practices as risk factor for acute respiratory infections among hospitalized under 5 children in Ibandan, Nigeria. *IOSR Journal of Environmental Science, Toxicology and Food Technology*. 2017; 11(1): 60-65.
86. Raval B, Pandya A, Ravindra HN. A study to assess the effectiveness of structured teaching program on knowledge regarding acute respiratory tract infection among mothers of under five children at Piparia, Vadodara. *International Journal of Nursing Education*. 2015; 7(3): 51-55.
87. Vatsa R, Ranjan M, Bhandari P, Gayawan E. Analyzing effect of WASH Practices and district level spatial effects on acute respiratory infections and diarrhea among under five children in India. *Applied Spatial Analysis and Policy*. 2023; 16(4): 1299-1316. doi.org/10.1007/s12061-023-09512-3.
88. James JM, Wilson LP. Effectiveness of ballon blowing exercise on respiratory paramaters among children with lower respiratory treat infection. *Asian Journal of Pharmaceutical and Clinical Research*. 2023; 16(9): 80-83.
89. Tunny IS, Soamole I, Wibowo SA, Purnamasari I, Rumaolat W. Effect of health education on mother's knowledge in the prevention of acute respiratory infection in toddlers in Waimital village, Maluku. *Jurnal Ners*. 2020; 15(2): 188-192. doi.org/10.20473/jn. v15i2(si).18968
90. Shuman K, Raju R, Jogdeo B. Effectiveness of steam inhalation with tulsi leaves among children with upper respiratory tract infection. *International Journal of Applied Research*. 2018; 4(7): 80-83.
91. Pundir N, Sylvia R, Chanu SE, Pugazhendi S, Kumar C. Effectiveness of breathing exercise as play method on cardiopulmonary parameters among children with acute respiratory tract infections in a selected area of Dehradun,

- Uttarakhand. *International Journal of Medical Science and Public Health*. 2018; 7(4): 1-8. DOI: 10.5455/ijmsph.2018.0513829012018
92. Alexandrino AS, Santos R, Melo C, Bastos JM. Impact of caregivers education regarding infections on health status of day care children: a randomized trial. *Family Practice*. 2016; 33(5): 476-481.
93. Thi HD, Grissom A, Thanh TL, Lan ATM, Nguyen TTT, Thi LV et al. The mother's perceived barriers in caring for children with acute respiratory infection at home in the rural areas, Vitenam. *European Chemical Bulletin*. 2023; 12(1). 1077-1087.
94. Chand V, Mohannadnezhad M. Perception of mothers about respiratory infections and risk factors affecting children under 5 years in Fiji. *Journal of Pediatric Nursing*. 2022; 65: 44-54. DOI: 10.1016/j.pedn.2022.04.015.
95. Thaw S, Santati S, Pookboonmee R. Factors related to preventive behavior among parent caregivers of children under five years with acute respiratory infection in Myanmar. *Makara Journal of Health Research*. 2019; 23(1): 7-11. doi: 10.7454/msk.v23i1.10152.
96. Rashid SF, Hadi A, Afsana K, Begum SA. Acute respiratory infections in rural Bangladesh: Cultural understandings, practice and the role of mothers and community health volunteers. *Tropical Medicine and International Health*. 2001; 6(4): 249-255.
97. Ranji K, Ahmed SZ. A study to determine the prevalence of acute respiratory infections and their determinants in children in the age group of 0 to 5 years in Nerul, Navi Mumbai. *International Journal of Science and Healthcare Research*. 2021; 6(1): 215-218.

98. Smithayadav JS, Geethalakshmi RG. A cross sectional study on the prevalence of acute respiratory infection and its association with factors indicating indoor air pollution among under five children in rural Davangere, Karnataka. *International Journal of Advanced Community Medicine*. 2018; 1(3): 45-49.
99. Chavan YB, Kshirsagar H, Narwane G, Katre R. A cross sectional study for assessment of factors related to acute respiratory infection in Preschool children in an Urban slum. *International Journal of Health Sciences and Research*. 2018; 8(7): 9-16.
100. Maharajan PL, Sharma Y. Prevalence and determinants of acute respiratory infection among children under age five in Gorkha Municipality, Gorkha. *Global Journal of Pharmacy & Pharmaceutical Sciences*. 2017; 2(3): 1-4. DOI: 10.19080/GJPPS.2017.02.555588.
101. Sharma D, Kuppuswamy K, Bhoorasamy A. Prevalence of acute respiratory infections and their determinants in under five children in urban and rural areas of Kancheepuram District, South India. *Annals of Tropical Medicine and Public Health*. 2013; 6(5): 513-518. DOI:10.4103/1755-6783.133700.
102. Prajapati B, Talsania N, Lala MK, Sonalia KN. A study of risk factors of acute respiratory tract infection of under-five age group in urban and rural communities of Ahmedabad district, Gujarat. *Healthline*. 2012; 3(1): 16-20.
103. Bhatti ZI, Nawaz K, Ali M, Bhatti SZ. Effectiveness of educational intervention on knowledge towards prevention of acute respiratory tract infection among the mothers of under five children. *Pakistan Journal of Medical & Health Science*. 2020; 14(3): 672-675.
104. Nafisah L, Herwanti S, Fajria DA, Nurdinia A, Prastiwi A, Adisa M et al. The Effectiveness of Health Promotion on Knowledge of mothers about acute

- respiratory infections in Mipiran Vilalge Padamara Public Health Centre. *KnE Life Sciences*. 2019; 123-128. DOI 10.18502/kls.v4i10.3777.
105. Joshy A, Baisel A, Francis A, Baiju BM, Oustrin L, Jayims BK. Effectiveness of information booklet on knowledge of mother regarding home management of respiratory tract infection among under five children in Pallithottam at Kollam. *Asian Journal of Nursing Education and Research*. 2018; 8(1): 167-172. doi: 10.5958/2349-2996.2018.00035.6.
106. Singh G. Impact of Health education on preventive practices of ARI among mothers living in urban slum Bangalore. *IOSR Journal of Nursing and Health Science*. 2015; 4(1): 27-31. DOI: 10.9790/1959-04112731.
107. Kadu RB, Mendagudli VG. Effectiveness of structure teaching program on knowledge and practices regarding prevention of pneumonia among mothers of under five children at selected rural community. *Saudi Journal of Nursing and Health care*. 2020; 2(12):387-391. DOI: 10.36348/sjnhc.2020.v03i12.005.
108. Dharamarajlu SM, Najmi SY, Edriss SA, Redhwan KA, Sultan SO, Ahmed H. Effects of video-assisted teaching program on knowledge of upper respiratory infection management and prevention among parents of the children under five years old, Farasan, Kingdom of Saudi Arabia. *Journal of Internal Medicine*. 2022; 3: 22-27.
109. Zhao H, Jatana S, Bartoszko J, Loeb M. Nonpharmaceutical intervention to prevent viral respiratory infection in community settings: an umbrella review. *ERJ Open Research*. 2022; 8: 1-19.
doi.org/10.1183/23120541.00650-2021.

ANNEXURE I

Ethical committee permission letter to conduct study

Swami Rama Himalayan University
(Est. vide Uttarakhand Act No. 12 of 2013)

Swami Ram Nagar, Jolly Grant, Dehradun 248016
Uttarakhand, India



स्वामी राम हिमालयन विश्वविद्यालय
(उत्तराखण्ड अधिनियम सं० १२ वर्ष २०१३ द्वारा स्थापित)

स्वामी राम नगर, जौलीग्रान्ट, देहरादून २४८०१६
उत्तराखण्ड, भारत

“Ethics Committee”

SRHU/HIMS/E-1/2019/123

Date: 26/08/2019

To,
Ms. Deepika Bajwan,
Ph.D Scholar,
Himalayan College of Nursing
Swami Rama Himalayan University.

Ref: “A study on barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package in selected rural community of Delhi.”
Submitted by Principal investigator, Ms. Deepika Bajwan, Ph.D Scholar, Under the guidance of Dr Kamli Prakash Prof., HCN, Swami Rama Himalayan University.

Dear Ms. Deepika Bajwan,

With reference to your submission letter, dated 03/07/2019, the Ethics Committee, SRH University reviewed and discussed your application for approval of the above referred research protocol on 17/08/2019.

The following members were present in the meeting held on 17/08/2019, at 11:30 AM in the deptt of Pharmacology, H.I.M.S., and SRH University


Sr. no.	Name of the Member	Designation and Qualification	Representation as per Schedule Y	Gender	Affiliation with the Institution
1.	Prof. K.C. Mishra	Chairman MBBS, MD, MAMS	Ex. Principal	M	No
2.	Mr. G.N.S. Gurudutt	Member M.A., M.phil.	Social Scientist	M	No
3.	Mr. J.P. Pant	Member M.A., L.L.B	Practicing Advocate	M	No
4.	Mrs. Manju Chamoli	Member Gram Pradhan, Athurwala	Community Representative	F	No
5.	Prof. Mushtaq Ammed	Member MBBS, MD(Radiotherapy)	Professor, Deptt. of Radiotherapy	M	Yes
6.	Dr. B.P.Kalra	Member MBBS,DCH, DNB(Paediatrics)	Clinician Professor of Paediatrics	M	Yes
7.	Prof. D.C. Dhasmana	Member Secretary. MBBS,MD(Pharmacology)	Pharmacologist	M	Yes

This is to confirm that only members, who were independent of the Investigator of the study, have voted and provided opinion on the study.

The Ethics Committee, Swami Rama Himalayan University, has no objection to the conduct of the study in the present form, as per the submitted protocol, subject to the statutory provisions and permissions, as deemed necessary, to be obtained from concerned authorities.

The Ethics committee, Swami Rama Himalayan University expects to be informed about the progress of the study, any changes in the protocol and asks to be provided a copy of the final report.

The Ethics committee, Swami Rama Himalayan University follows procedures that are in compliance with the requirements of ICH (international Conference on Harmonization) guidelines related to GCP (Good Clinical Practice) and applicable Indian regulations, revised and updated from time to time.


Dr. D.C. Dhasmana,
Member Secretary, Ethics Committee

Tel: 91-135-2471600, 2471611 Fax: 91-135-2471612 email: info@srhu.edu.in www.srhu.edu.in

ANNEXURE II

Letter seeking permission to conduct study

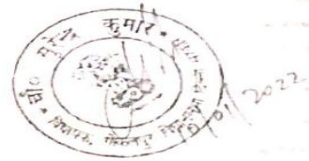
The MLA
North Delhi 110009
Date

Subject: Permission to conduct research in North Delhi setting among Mothers of Under Five

Respected Sir

I Deepika Bajwan, PhD Scholar, Himalayan College of Nursing, SRHU want to conduct research entitled. "A study on barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package in selected rural community of Delhi." For which I require your Permission to conduct research among mothers of under five . This research will benefit Under five children residing over where to reduce mortality rate and prevention and home management of Acute respiratory infection. Please grant me permission to conduct research. I will be very grateful to you for this kindness.

Thanking you
Yours Sincerely
Deepika Bajwan
PhD Scholar 2018
SRHU



ANNEXURE III

Letter seeking expert's opinion from validators for content validity of the tool

From,
Ms. Deepika
PhD Scholar
Himalayan College of Nursing
Swami Rama Himalayan University
Jolly grant, Dehradun

To,
Respected Madam,

Sub: Request for opinion and suggestions of experts for establishing the content validity of the research tools.

I am Deepika Bajwan a PhD Scholar in nursing of Swami Rama Himalayan University (Batch January ,2018.). I would like to request you to kindly go through the tool enclosed for the purpose of research of my PhD programme under SRHU and give me your expert opinion and suggestion with regard to the same in terms of relevance, appropriateness, accuracy and organization of the content in relation to the problem and objectives formulated.

My Research Study entitled **“A study on barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package in a selected rural community of Delhi”**

Your valuable suggestions will be of great help in betterment of the quality of the study. Expecting a positive response in anticipation

Thanking you
Yours sincerely,
Ms. Deepika Bajwan

Encl:

1. Research Statement, objectives, brief methodology.
2. Criterion checklist for validation
3. Blueprint of tool

ANNEXURE IV

Content validation certificate

I hereby certify that I have validated the tool of Ms. Deepika Bajwan PhD scholar from Himalayan college of Nursing under SRHU who is undertaking the following study

“A study on barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package in a selected rural community of Delhi”

Signature of the Expert

Designation and address

Place:

Date:

ANNEXURE V (a)

INFORMED CONSENT FORM (PARTICIPANTS)

Information to the participants:

I am Ms. Deepika Bajwan, Ph. D scholar in the Department of Nursing, SRHU. As part of my Ph. D in Nursing I am conducting a study on **“Barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package in a selected rural community of Delhi”** If willing, you would be required to answer a few questionnaires and participate in an interview. This assessment would take approximately one and a half to two hours to complete. *You will have to undergo a focus group discussion on barriers on prevention and home management of acute respiratory infection among mothers of under five children. In this, group of 10 mothers of under five children will be present along with moderator and observer.* These sessions will be conducted one time only. *Your participation in this study is entirely voluntary. You can withdraw your consent at any point during the interview. You will not receive any direct benefits from participation. However, your participation will facilitate to identify the barriers faced by mothers on prevention and management of Acute respiratory infection.*

The information provided by you will strictly be kept confidential. For more information about the study you can contact: Ms. Deepika Bajwan (Ph.D. Scholar), or Dr Kamli Prakash (Guide), or Dr. Jyanti Semwal (Co-Guide). Their contact details are given at the end of this consent form.

Undertaking by the investigator:

Your consent to participate in the above study is sought. You have the right to refuse consent or withdraw the same during any part of the study without giving any reason. If you have any doubts about the study, please feel free to clarify the same. Even during the study, you are free to contact any of the following investigators for further information/ clarification with regards to this study. The information collected from you in the form of the several assessments detailed above will be maintained with strict confidentiality.

Consent Form

I _____ hereby give consent for participation of myself in the study being conducted by Ms. Deepika Bajwan (Ph.D. Scholar), Department of Nursing, Swami Rama Himalayan University (SRHU) Dehradun. We are informed about the purpose and process of the study.

We have been informed about the nature and purpose of the study. We are aware that participating in the study will not benefit me directly in any way. We have been assured that the information we provide will be kept confidential.

We are aware that we will be free to withdraw from the study at any point of time. We understand that participation in the study will require one and a half to two hours of my time for focus group discussion and it will require me to attend one session of approximately 2 hours.

I, _____ the undersigned, hereby give my consent for my participation in the study entitled **“Barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package”**.

Participant’s signature

Name:

Date & Place

Contact No:

Investigator’s signature

Ms. Deepika Bajwan

Ph.D. Scholar

Department of Nursing,

SRHU, Dehradun

Contact No: 9711087407

Email: d.bajwan981990@gmail.com

Guide:

Dr. Kamli Prakash

Professor

(Medical surgical Nursing)

Himalayan College of Nursing

Swami Rama Himalayan University

Jolly Grant, Dehradun

Contact No: - 9458137789

Co-Guide

Dr. Jayanti Semwal

Professor

Dept. community medicine

Himalayan Hospital

Swami Rama Himalayan University

Jolly Grant, Dehradun

Contact No: - 9412008770

ANNEXURE V (b)

सूचित सहमति प्रपत्र (प्रतिभागी)

प्रतिभागियों को जानकारी

में सुश्री दीपिका बाजवान, नर्सिंग विभाग, एसआरएचयू में पीएचडी स्कॉलर हूँ। नर्सिंग में पीएचडी के भाग के रूप में मैं दिल्ली के एक चयनित ग्रामीण समुदाय में आवश्यकता आधारित इंटरवेंशनल पैकेज के विकास और मूल्यांकन करने की दृष्टि से पांच वर्ष से कम उम्र के बच्चों की माताओं के बीच तीव्र श्वसन संक्रमण की रोकथाम और प्रबंधन से संबंधित बाधाओं पर एक अध्ययन आयोजित कर रहा हूँ यदि आप चाहें तो आपको कुछ प्रश्नावली का उत्तर देना होगा और एक साक्षात्कार में भाग लेना होगा। इस आकलन को पूरा होने में लगभग डेढ़ से दो घंटे का समय लगेगा। आपको पांच वर्ष से कम आयु के बच्चों की माताओं के बीच तीव्र श्वसन संक्रमण की रोकथाम और गृह प्रबंधन पर बाधाओं पर एक फोकस समूह चर्चा से गुजरना होगा। इसमें मॉडरेटर और ऑब्जर्वर के साथ पांच साल से कम उम्र के बच्चों की 10 माताओं का ग्रुप मौजूद रहेगा। ये सत्र एक बार ही आयोजित किए जाएंगे। इस अध्ययन में आपकी भागीदारी पूरी तरह से स्वैच्छिक है। इंटरव्यू के दौरान आप किसी भी बिंदु पर अपनी सहमति वापस ले सकते हैं। भागीदारी से आपको कोई सीधा लाभ नहीं मिलेगा। हालांकि, आपकी भागीदारी तीव्र श्वसन संक्रमण की रोकथाम और प्रबंधन पर माताओं के सामने आने वाली बाधाओं की पहचान करने में सुविधा प्रदान करेगी।

आपके द्वारा उपलब्ध कराई गई जानकारी को कड़ाई से गोपनीय रखा जाएगा। अध्ययन के बारे में अधिक जानकारी के लिए आप संपर्क कर सकते हैं: सुश्री दीपिका बाजवान (पीएचडी स्कॉलर), या डॉ कमली प्रकाश (गाइड), या डॉ जयंती सेमवाल (सह-मार्गदर्शक)। इस सहमति प्रपत्र के अंत में उनके संपर्क विवरण दिए जाते हैं।

अन्वेषक द्वारा उपक्रम

उपरोक्त अध्ययन में भाग लेने के लिए आपकी सहमति मांगी जाती है। पढ़ाई के किसी भी हिस्से में बिना कोई कारण बताए सहमति से मना करने या उसे वापस लेने का अधिकार है। यदि आपको अध्ययन को लेकर कोई संदेह है, तो कृपया इसे स्पष्ट करने के लिए स्वतंत्र महसूस करें। यहां तक कि अध्ययन के दौरान, आप इस अध्ययन के संबंध में अधिक जानकारी/स्पष्टीकरण के लिए निम्नलिखित जांचकर्ताओं में से किसी से संपर्क करने के लिए स्वतंत्र हैं। ऊपर विस्तृत कई आकलन के रूप में आप से एकत्र की गई जानकारी सख्त गोपनीयता के साथ बनाए रखी जाएगी।

सहमति फॉर्म

में, _____ स्वामी राम हिमालयन विश्वविद्यालय देहरादून के नर्सिंग विभाग की सुश्री दीपिका बाजवान (पीएचडी स्कॉलर) द्वारा किए जा रहे अध्ययन में स्वयं की भागीदारी के लिए सहमति देते हैं। हमें अध्ययन के उद्देश्य और प्रक्रिया के बारे में सूचित किया जाता है।

हमें अध्ययन की प्रकृति और उद्देश्य के बारे में सूचित किया गया है। हम जानते हैं कि अध्ययन में भाग लेने से मुझे सीधे तौर पर किसी भी तरह का फायदा नहीं होगा। हमें आश्वासन दिया गया है कि हमारे द्वारा प्रदान की गई जानकारी को गोपनीय रखा जाएगा।

हम जानते हैं कि हम किसी भी समय अध्ययन से हटने के लिए स्वतंत्र होंगे। हम समझते हैं कि अध्ययन में भागीदारी ध्यान समूह चर्चा के लिए मेरे समय के डेढ़ से दो घंटे की आवश्यकता होगी और यह मुझे लगभग 2 घंटे के 1 सत्रों में भाग लेने की आवश्यकता होगी।

में, _____ अधोहस्ताक्षरी, इसके द्वारा "पांच से कम बच्चों की माताओं के बीच तीव्र श्वसन संक्रमण की रोकथाम और प्रबंधन से संबंधित बाधाओं को विकसित करने और एक की जरूरत आधारित हस्तक्षेप पैकेज का मूल्यांकन करने के लिए" शीर्षक से अध्ययन में मेरी भागीदारी के लिए मेरी सहमति दे

प्रतिभागी के हस्ताक्षर

दिनांक और स्थान:

संपर्क नंबर

दीपिका बाजवान

पीएच.डी. विद्वान,

नर्सिंग विभाग,

SRHU, देहरादून

संपर्क नंबर: 9711087407

ईमेल आईडी: d.bajwan981990@gmail.com

ANNEXURE VI (a)

Data collection tools

Tool No 1: Sociodemographic Data

Code No.....

Demographic data of child

1. Gender Male Female
2. Age of child: _____Months/Years
3. Weight of child (kg)

Demographic data of mother/father

1. Age of mother in years.....
2. Educational status of mother
 - a) No formal education
 - b) Primary education
 - c) Secondary education
 - d) Graduate
 - e) Post graduate
3. Occupation of mother
 - a) House wife
 - b) Daily wages
 - c) Government employee
 - d) Private sector employee

4. Educational status of father
 - a) No formal education
 - b) Primary education
 - c) Secondary education
 - d) Graduate
 - e) Post graduate
5. Occupation of father
 - a) Daily wages
 - b) Government employee
 - c) Private sector employee
 - d) Self employed
 - e) Unemployed
6. Family income in Rs per month
 - a) Less than 1500/-
 - b) 1501/- to 4500/-
 - c) 45001/- to 8000/-
 - d) 8001/- to 12000/-
 - e) Above 12000/-
7. Dietary habits of family
 - a) Vegetarian
 - b) Non- vegetarian

8. Type of family
 - a) Nuclear family
 - b) Joint family
 - c) Extended family

9. Total number of children in the Family
 - a) One
 - b) Two
 - c) Three
 - d) More than three

10. Any exposure to previous teaching related to prevention and management of acute respiratory infections among under five children?
 - a) No
 - b) Yes

If yes, then specify source of information.....

Tool no 2: Open ended questionnaire

Focus group Discussion

Instruction: Dear participants, you are requested to share your experience, views on the following questions.

Research Title: A study on barriers related to prevention and management of acute respiratory infection among mothers of under five children with a view to develop and evaluate a need based interventional package in a selected rural community of Delhi.

Objective: To get detailed and in-depth information from mothers of under five children regarding barriers on prevention and home management of acute respiratory infection in under five children.

Moderator: Ms. Deepika Bajwan

Time: 60-70 mins

Venue: Anganwadi centre

No of participants attended: 10 in each group

Session Recoding: Audio recording and writing by 2 Recorder

OPEN ENDED QUESTIONNAIRE

Prevention of acute respiratory infections among under five children

Q1. How do you recognize your child has cold and cough?

Q2. Can you describe the measures you implement for prevention of cough and cold for your child?

Q3. Can you explain the difficulties you experience while taking measures for prevention of cough and cold for your child?

Home management of acute respiratory infection among under five children

Q1. What you do for managing cold and cough of your child at home?

Q2. Can you explain difficulties you experience while implementing home management for cold and cough for your child?

Q3. Can you describe the cultural practices you do to manage cough and cold for your child?

Q4. How do you decide when you should take your child to the hospital?

Tool No 3 (Semi structured questionnaire)

Risk Factors related to acute respiratory infection

Code no

Instruction: Dear participants, you are requested to read the statement carefully and answer the following questions.

I. Child's characteristics

1. Birth history

- a) Preterm
- b) Full term

2. Birth weight of child

- a) Less than 2.5 kg
- b) Between 2.5 kg to 3.5 kg
- c) More than 3.5 kg

3. Ordinal position in the family

- a) 1st
- b) 2nd
- c) 3rd
- d) More than 3rd

4. Immunization status

At birth:	BCG....	OPV.....	Hep B.....
At 6 weeks	pentavalent 1		
At 10 weeks	pentavalent 2		
At 14 weeks	pentavalent 3		
At 9 months	Measles 1	Vit A	
At 15-18 months	DPTbooster1	OPV....	MMR.... Vit A.....
At 5-6 years	DPT booster 2		

II. Environmental characteristics

5. Number of windows in house.....
No of window open directly to outside space.....
Ventilation status of house
 - a) Adequate
 - b) Inadequate
6. Number of persons living in one room.....
Overcrowding in house
 - a) Yes
 - b) No
7. Indoor smoking by family member
 - a) Yes
 - b) No

If yes specify who smoke in the family.....
8. Types of fuel used for cooking
 - a) Cow dung
 - b) Wood
 - c) LPG
 - d) Stove/burner
9. Type of house
 - a) Kuchha
 - b) Pakka

10. House located near to road

a) Yes

b) No

11. Any factory Near by location of house

a) Yes

b) No

If yes then specify which factory.....

12. Health facility available in the area

a) Yes

b) No

If yes, Specify.....

13. Sources of drinking water

a) Bore well

b) Supplied Tap water

c) Filtered water

14. Pets in house

a) Cat

b) Dog

c) Buffalo

d) Cow

e) If any other, then specify.....

15. Methods of waste disposal

- a) Open ground
- b) Municipal vehicle
- c) Incineration
- d) Dumping in to ground
- e) If Any other, then specify.....

16. Types of water drainage

- i) Inside the house
 - a) Open
 - b) Closed
- ii) Outside the house
 - a) Open
 - b) Closed

III. History of illness in last six months

17. . History of any illness in child

- a) Yes
- b) No

If yes, the specify.....

18. . Family history of any respiratory infection

- a) Yes
- b) No

If yes, the specify.....

IV. Nutritional history during infancy period

19. Pre-lacteal feeds

a) Yes

b) No

If yes, then specify.....

20. Received first breast milk

a) Yes

b) No

21. For how long your baby was on exclusive breast feeding

a) Less than 6 months

b) Up to 6 months

c) More than 6 months

22. Use of Bottle feeding:

a) Yes

b) No

If yes, at what month started..... & Duration of bottle feeding.....

23. Initiation of weaning diet

a) yes

b) No

if yes then specify at what month started

24. Nutritional status of child

a) Normal

b) Underweight

c) Overweight

Tool 4: Structured Acute respiratory infections screening tool

Code no:

S.no	Symptoms	Present (yes/no)			Duration of symptoms		
1	Diagnostic criteria of ARI						
	Nasal Discharge						
	Sore throat						
	Cough						
	Fever						
	Chest indrawing/Fast breathing						
2.	Number of episodes of upper respiratory infection in past 6 months	1st month	2nd month	3rd month	4th month	5th month	6th month

Tool No 5

Knowledge questionnaire on Acute respiratory infection

Code no:

Instruction: Dear participants, given below are the questions related to prevention and home management of acute respiratory infection among under five children. Each question has four alternatives which only one is correct answer. Kindly answer the following question for best suitable for each question

Part A: General information on ARIs

Q1. What is the meaning of common cold?

- a) infection of respiratory tract
- b) infection of digestive tract
- c) infection of ear
- d) infection of mouth

Q2. What are the initiating symptoms of common cold

- a) cough, runny nose
- b) body ache, fever
- c) sore throat, fever
- d) fever, fatigue

Q3. What is the general danger sign of common cold?

- a) Fever, sneezing
- b) Fast breathing, fever
- c) Fast breathing, chest indrawing
- d) Fever fatigue

Q4. How does common cold spread usually

- a) through droplets in the air
- b) through hand to hand contact
- c) through skin to skin contact
- d) through ingestion of infected food

Q5. What is the mode of transmission of respiratory infection

- a) Air droplets
- b) Ingestion
- c) Touching
- d) Skin contact

Q6. Which environmental factors lead to respiratory infection

- a) Poor hand washing
- b) Exposure to smoke
- c) Low immunity
- d) Poor hygiene

Q 7. What can be the complication of common cold in children if it is not managed

- a) Pneumonia
- b) Headache
- c) Constipation
- d) Diarrhea

PART B: Prevention of Acute respiratory infection

Q8. Which vaccine is helpful in preventing common cold among under five children?

- a) Tetanus
- b) Rubella
- c) Hib
- d) Hep B

Q9. At What age Hib vaccine is given.

- a) At birth
- b) At 1 ½, 2 ½, 3 ½ months
- c) At 9 months
- d) At 9month, 1 ½ year

Q10. What should be the first feed of baby?

- a) Sugar water
- b) Cow's milk
- c) Breast milk
- d) Honey

Q11. For how long child should be on exclusive breastfeeding?

- a) Up to 9 months
- b) Up to 6 months
- c) Up to 12 months
- d) Up to 2 years

Q 12. At what age weaning should be started to the child?

- a) After 6 months
- b) After 9 months
- c) After 12 months
- d) After 18 months

Q13. Importance of hand hygiene practice is to

- a) Decrease body weight
- b) Prevent transmission of infection
- c) Increase Muscle tone
- d) Increase Immunity

Q 14. What is the time duration of soap water hand washing?

- a) 10-15sec
- b) 15-20 sec
- c) 20-30 sec
- d) 30-40 sec

Q15. Infections in children can be prevented by:

- a) Maintaining personal hygiene only
- b) Maintaining environmental hygiene only
- c) Well-balanced diet, hygiene and vaccination
- d) Maintaining food hygiene only

Q16. What type of feeding should be avoided to prevent respiratory infection in children?

- a) Breast feeding
- b) Bottle feeding
- c) Cow's milk
- d) Weaning diet

Q17. What type of fluid should be given when child is having common cold

- a) Cold drink
- b) Hot fluid
- c) Spicy soup
- d) Glucose water

Q18. Which housing environmental condition can lead to respiratory infection

- a) Exposure to indoor smoking'
- b) Inadequate diet
- c) Adequate ventilation
- d) Exposure to sun light

Q19 What are the ways to reduce indoor pollution at home

- a) Avoid using smoking fuel inside house
- b) Remove shoes at door
- c) Use of air freshener inside the house
- d) Both a and b

PART C: Home management of acute respiratory infection

Q20 Which is the best way for nasal clearance to relieve nasal congestion

- a) Instill saline nasal drop to clear nose
- b) Use wet cotton to clear nose
- c) Instill oil to clear nose
- d) Instill plain water to clear nose

Q21 Which home remedy must not be given to child below one year

- a) Honey
- b) Ginger drink
- c) Warm water
- d) Salty water

Q22 Which is the best method to relieve chest congestion.

- a) Steam inhalation
- b) Warm water
- c) Honey
- d) Ginger water

Q23. Which one of the activities helps in improving breathings difficulty in older children?

- a) Breathing exercise
- b) Breastfeeding
- c) Warm water
- d) Salty water

Q24. For how long steam inhalation to be given to child

- a) 10-15 minutes
- b) 15-20 minutes
- c) 20-25 minutes
- d) 25-30 minutes

Q25. Which one of the following is used to remove secretion/sputum from lungs to relieve breathing difficulty?

- a) Tapping of Chest
- b) Breathing exercise
- c) Honey
- d) Ginger water

Answer key for structured knowledge questionnaire

- 1) a**
- 2) a**
- 3) c**
- 4) a**
- 5) a**
- 6) b**
- 7) a**
- 8) c**
- 9) b**
- 10) C**
- 11) b**
- 12) a**
- 13) b**
- 14) b**
- 15) c**
- 16) b**
- 17) b**
- 18) a**
- 19) d**
- 20) a**
- 21) a**
- 22) a**
- 23) a**
- 24) a**
- 25) a**

Tool No 6

Self-reported practice scale for mothers on prevention and home management of acute respiratory infection among children

Code no:

Instruction: The participants is requested to place tick mark against items as per responses.

S.no	Items	Always 2	Sometimes 1	Never 0
Prevention of Acute respiratory infection				
1	I mop floor of my house daily.			
2	My family members remove shoes at the door before entering in to house.			
3	My Family members use air freshener inside home.			
4	I give bath my child daily when child is sick.			
5	I clean cooking area daily with water.			
6	I use cow dung or wood for cooking inside the house			
7	I wash my hands with soap and water before feeding to child.			
8	I give milk to my child daily			
9	I give milk to my child with bottle.			
10	I wash milk bottle with water only after feeding to child.			
11	I give green leafy vegetables to my child at least 3 times in a week.			
Home management of Acute respiratory infection				
12	I give boiled/ filtered water to my child to drink daily.			
13	I give lukewarm water sponging when my child suffers with fever.			
14	I keep my baby away from draught.			
15	I give honey with warm water to my child when he/she is suffering from cold and cough.			
16	I give steam inhalation to my child when he/she is suffering from cold and cough.			
17	I tap chest of my child after giving steam inhalation in to remove secretion/Sputum from chest.			
18	I use saline nasal drop for my child when he/she suffering from nasal discharge/nasal blockage to remove nasal secretion.			
19	I give sugar water to my child when he/ she refuse to feed/food while suffering from cold and cough.			

Maximum Score: 38, Minimum Score: 0

Positive statement items: 1,2,5,7,8,11,12,13,14,15,16,17,18 (Always 2, Sometimes 1, Never 0)

Negative statement items: 3,4,6,9,10,19 Scoring for negative statement will be reversed (Always 0, Sometimes 1, Never 2)

ANNEXURE VI (b)

उपकरण संख्या 1: जनसांख्यिकीय डेटा

कुट - संख्या.....

बच्चे का जनसांख्यिकीय डेटा

1. लिंग पुरुष महिला
2. बच्चे की उम्र: माह / साल
3. बच्चे का वजन (किलो)

माँ / पिता का जनसांख्यिकीय डेटा

1. माँ की आयु (वर्षों में)
2. माँ की शैक्षिक स्थिति
 - क) कोई औपचारिक शिक्षा नहीं
 - ख) प्राथमिक शिक्षा
 - ग) माध्यमिक शिक्षा
 - घ) स्नातक
 - ई) पद स्नातक
3. माँ का व्यवसाय
 - क) गृहिणी
 - ख) दैनिक मजदूरी
 - ग) सरकारी कर्मचारी
 - घ) निजी क्षेत्र का कर्मचारी
4. पिता की शैक्षिक स्थिति
 - क) कोई औपचारिक शिक्षा नहीं
 - ख) प्राथमिक शिक्षा
 - ग) माध्यमिक शिक्षा
 - घ) स्नातक
 - ई) पद स्नातक

5. पिता का व्यवसाय

- क) दैनिक मजदूरी
- ख) सरकारी कर्मचारी
- ग) निजी क्षेत्र के कर्मचारी
- घ) स्व नियोजित
- ई) बेरोजगार

6. प्रति माह रुपये में परिवार की आय

- क) 1500 / - से कम
- ख) 1501 / - से 4500 / -
- ग) 45001 / - से 8000 / -
- घ) 8001 / - से 12000 / -
- ई) 12000 / - से अधिक

7. परिवार की आहार संबंधी आदतें

- क) शाकाहारी
- ख) मांसाहारी

8. परिवार का प्रकार

- क) एकल परिवार
- ख) संयुक्त परिवार
- ग) विस्तारित परिवार

9. परिवार में बच्चों की कुल संख्या

- क) एक
- ख) दो
- ग) तीन
- घ) तीन से अधिक

10. पांच साल से कम उम्र के बच्चों में तीव्र श्वसन संक्रमण की रोकथाम और प्रबंधन से संबंधित पिछले शिक्षण के लिए कोई जोखिम?

- क) नहीं
- ख) हाँ

यदि हाँ, तो सूचना का स्रोत निर्दिष्ट करें

उपकरण 2: संरचित तीव्र श्वसन संक्रमण स्क्रीनिंग उपकरण

अनुक्रमांक	लक्षण	मौजूद (हाँ / नहीं)				लक्षणों की अवधि	
1	नाक बहना						
	गले में खरास						
	खांसी						
	बुखार						
	छाती में जलन / तेज सांस लेना						
2	पिछले 6 महीनों में ऊपरी श्वसन संक्रमण के प्रकरण की संख्या	जून	जुलाई	अगस्त	सितम्बर	अक्टूबर	नवम्बर

उपकरण संख्या 3: विस्तृत जवाब प्रश्नावली

समूह चर्चा

निर्देश: प्रिय प्रतिभागियों, आपसे अनुरोध है कि अपने अनुभव, विचारों को निम्नलिखित प्रश्नों पर साझा करें।

शोध शीर्षक: दिल्ली के एक चयनित ग्रामीण समुदाय में एक आवश्यकता आधारित परम्परागत पैकेज को विकसित करने और मूल्यांकन करने की दृष्टि से पांच वर्ष से कम आयु के बच्चों की माताओं में तीव्र श्वसन संक्रमण की रोकथाम और प्रबंधन से संबंधित बाधाओं पर एक अध्ययन।

संचालक: सुश्री दीपिका बाजवान

समय: 60-70 मिनट

भाग लेने वाले प्रतिभागियों की संख्या: प्रत्येक समूह में 10

मुख्य सत्र

पांच वर्ष से कम उम्र के बच्चों में तीव्र श्वसन संक्रमण की रोकथाम

Q1। आप कैसे पहचानेंगी कि आपके बच्चे को सर्दी और खांसी है?

Q2। क्या आप अपने बच्चे के लिए खांसी और सर्दी की रोकथाम के लिए लागू किए गए उपायों का वर्णन कर सकते हैं?

Q3। क्या आप अपने बच्चे को खांसी और सर्दी से बचाव के उपाय करते समय आपको होने वाली कठिनाइयों के बारे में बता सकते हैं?

पांच वर्ष से कम आयु के बच्चों में तीव्र श्वसन संक्रमण का गृह प्रबंधन

Q1. घर पर अपने बच्चे की सर्दी और खांसी के प्रबंधन के लिए आप क्या करते हैं?

Q2. क्या आप अपने बच्चे के लिए सर्दी और खांसी के लिए घर प्रबंधन को लागू करते समय आने वाली कठिनाइयों की व्याख्या कर सकते हैं?

Q3. क्या आप अपने बच्चे के लिए खांसी और सर्दी का प्रबंधन करने के लिए सांस्कृतिक प्रथाओं का वर्णन कर सकते हैं?

Q4. जब आप अपने बच्चे को अस्पताल ले जाना चाहिए, तो आप कैसे तय करेंगे?

उपकरण संख्या 4 (अर्ध संरचित प्रश्नावली)

तीव्र श्वसन संक्रमण से संबंधित जोखिम कारक

निर्देश: प्रिय प्रतिभागियों, आपसे अनुरोध है कि विवरण को ध्यान से पढ़ें और निम्नलिखित प्रश्नों के उत्तर दें।

A. बच्चे की विशेषताएं

1. जन्म इतिहास:

क) अपरिपक्व

ख) पूर्ण अवधि

2. बच्चे का जन्म वजन

क) 2.5 किग्रा से कम

ख) 2.5 किग्रा से 3.5 किग्रा के बीच

ग) 3.5 किग्रा से अधिक

3. परिवार में साधारण स्थिति

क) प्रथम

ख) दूसरा

ग) तीसरा

घ) तीसरे से अधिक

B. पर्यावरणीय विशेषताएँ

1. घर में खिड़कियों की संख्या

खिड़की की संख्या बाहर से सीधे खुली

घर की वेंटिलेशन स्थिति

क) पर्याप्त

ख) अपर्याप्त

2. एक कमरे में रहने वाले व्यक्ति की संख्या

घर में भीड़भाड़

क) हाँ

ख) नहीं

3. परिवार के सदस्य द्वारा घर के भीतर धूम्रपान
- क) हाँ
 - ख) नहीं
- यदि हाँ, तो निर्दिष्ट करें कि परिवार में कौन धूम्रपान करता है
.....
4. खाना पकाने के लिए प्रयुक्त ईंधन के प्रकार
- क) गाय का गोबर
 - ख) लकड़ी
 - ग) रसोई गैस
 - घ) स्टोव / बर्नर
5. घर का प्रकार
- क) कच्चा
 - ख) पक्का
6. सड़क के पास स्थित घर
- क) हाँ
 - ख) नहीं
- यदि हाँ, तो क्या सड़क धूल भरी है और धूल घर में प्रवेश करती है
- क) हाँ
 - ख) नहीं
7. घर के स्थान के पास कोई भी कारखाना
- क) हाँ
 - ख) नहीं
- यदि हाँ, तो कारखाने को निर्दिष्ट करें
8. क्षेत्र में उपलब्ध स्वास्थ्य सुविधा
- क) हाँ
 - ख) नहीं
- यदि हाँ, तो निर्दिष्ट करें

9. पेयजल के स्रोत
- क) बोर वेल
 - ख) नल का पानी
 - ग) फ़िल्टर किए गए पानी
10. घर में पालतू जानवर
- क) बिल्ली
 - ख) कुत्ता
 - ग) भैंस
 - घ) गाय
 - ई) यदि कोई अन्य है, तो निर्दिष्ट करें
11. कचरे के निपटान के तरीके
- क) खुला मैदान
 - ख) नगरपालिका वाहन
 - ग) भस्मीकरण
 - घ) जमीन में गाड़ना
 - ई) यदि कोई अन्य है, तो निर्दिष्ट करें
12. पानी की निकासी के प्रकार
- क) खुला हुआ
 - ख) बंद
 - ग) घर के बाहर
 - घ) खुला हुआ
 - ई) बंद
- C. रूग्णता संबंधी बीमारी
1. बच्चे में किसी बीमारी का इतिहास
- क) हाँ
 - ख) नहीं
 - यदि हाँ निर्दिष्ट करें

2. किसी भी श्वसन संक्रमण का पारिवारिक इतिहास

क) हाँ

ख) नहीं

यदि हाँ निर्दिष्ट करें

D. बच्चों में तीव्र श्वसन संक्रमण की रोकथाम के लिए अभ्यास

1. टीकाकरण की स्थिति

i) राष्ट्रीय टीकाकरण अनुसूची के अनुसार पूरी तरह से प्रतिरक्षित

• जन्म के समय: बीसीजी..... ओपीवी हेप बी

• 6 सप्ताह पर पेंटावैलेंट 1

• 10 सप्ताह पर पेंटावैलेंट 2

• 14 सप्ताह पर पेंटावैलेंट 3

• 9 महीने पर खसरा 1 विट ए

• 15-18 महीने पर DPT बूस्टर 1... ओपीवी ...। एमएमआर ...

विट ए

• 5-6 साल में DPT बूस्टर 2.....

2. पोषण

i) प्री लैक्टियल फीड्स

क) हाँ

ख) नहीं

यदि हाँ, तो निर्दिष्ट करें

ii) पहले स्तन का दूध प्राप्त किया

क) हाँ

ख) नहीं

iii) आपका बच्चा कितने समय तक अनन्य स्तनपान पर था

क) 6 महीने से कम

ख) 6 महीने तक

ग) 6 महीने से अधिक

iv) बॉटल फीडिंग का उपयोग:

- क) हाँ
- ख) नहीं

यदि हाँ, तो किस महीने शुरू किया गया

बोतल से दूध पिलाने की अवधि

v) उप्परी अहारआहार की शुरूआत

- क) हाँ
- ख) नहीं

यदि हाँ, तो किस महीने में शुरू किया गया है, यह निर्दिष्ट करें

vi) बच्चे की पोषण संबंधी स्थिति

- क) सामान्य
- ख) वजन
- ग) अधिक वजन

उपकरण संख्या 5

तीव्र श्वसन संक्रमण पर ज्ञान प्रश्नावली

निर्देश: प्रिय प्रतिभागियों, नीचे दिए गए प्रश्न और पांच साल से कम उम्र के बच्चों में तीव्र श्वसन संक्रमण की रोकथाम और घर प्रबंधन से संबंधित प्रश्न हैं। प्रत्येक प्रश्न के चार विकल्प होते हैं जिनमें से केवल एक ही सही उत्तर होता है। प्रत्येक प्रश्न के लिए उपयुक्त उत्तर के लिए कृपया निम्नलिखित प्रश्न का उत्तर दें
भाग ए: एआरआई पर सामान्य जानकारी

1. सामान्य सर्दी का मतलब क्या है?
 - क) श्वसन मार्ग का संक्रमण
 - ख) पाचन तंत्र का संक्रमण
 - ग) कान का संक्रमण
 - घ) मुंह का संक्रमण

2. सामान्य सर्दी के आरंभिक लक्षण क्या हैं
 - क) खांसी, बहती नाक
 - ख) शरीर में दर्द, बुखार
 - ग) गले में खराश, बुखार
 - घ) बुखार, थकान

3. सामान्य ठंड के सामान्य खतरे के संकेत क्या हैं?
 - क) बुखार, छींक
 - ख) तेज सांस, बुखार
 - ग) तेज श्वास, पसलियों का चलना
 - घ) बुखार की थकान

4. आमतौर पर ठंड कैसे फैलती है
 - क) हवा में बूंदों के माध्यम से
 - ख) हाथ से हाथ से संपर्क करने के लिए
 - ग) त्वचा से त्वचा के संपर्क के माध्यम से
 - घ) संक्रमित भोजन के अंतर्ग्रहण के माध्यम से

5. श्वसन संक्रमण के संचरण की विधि क्या है?
 - क) वायु की बूंदें
 - ख) अंतर्ग्रहण
 - ग) छूना
 - घ) त्वचा से संपर्क करें

- Q6. कौन से पर्यावरणीय कारक श्वसन संक्रमण का कारण बनते हैं
- क) खराब हाथ धोने
 - ख) धुएं के संपर्क में
 - ग) कम प्रतिरक्षा
 - घ) खराब स्वच्छता

7. अगर इसका प्रबंधन नहीं किया गया तो बच्चों में ठंड की शिकायत क्या हो सकती है

- क) निमोनिया
- ख) सिरदर्द
- ग) कब्ज
- घ) डायरिया

भाग बी: तीव्र श्वसन संक्रमण की रोकथाम

8. पांच वर्ष से कम आयु के बच्चों में सामान्य सर्दी को रोकने में कौन सा टीका सहायक है?

- क) टेटनस
- ख) रूबेला
- ग) हिब
- घ) हेपेटाइटिस बी

9. किस उम्र में हिब वैक्सीन दी जाती है।

- क) जन्म के समय
- ख) $1\frac{1}{2}$, $2\frac{1}{2}$, $3\frac{1}{2}$ महीने पर
- ग) 9 महीने पर
- घ) 9 महीने में, $1\frac{1}{2}$ वर्ष

10. शिशु का पहला आहार क्या होना चाहिए?

- क) चीनी का पानी
- ख) गाय का दूध
- ग) स्तन का दूध
- घ) हनी

11. अनन्य स्तनपान पर बच्चे को कितने समय तक रहना चाहिए?

- क) 9 महीने तक
- ख) 6 महीने तक
- ग) 12 महीने तक
- घ) 2 वर्ष तक

12. बच्चे को किस उम्र में दूध छुड़ाने की शुरूआत कर देनी चाहिए?
- 6 महीने के बाद
 - 9 महीने के बाद
 - 12 महीने के बाद
 - 18 महीने के बाद
13. हाथ स्वच्छता अभ्यास का महत्व है
- शरीर का वजन घटाना
 - संक्रमण के प्रसार को रोकना
 - मसल्स टोन बढ़ाएं
 - प्रतिरक्षा में वृद्धि
14. साबुन पानी हाथ धोने की समय अवधि क्या है?
- 10-15 सेकंड
 - 15-20 सेकंड
 - 20-30 सेकंड
 - 30-40 सेकंड
15. बच्चों में संक्रमण को रोका जा सकता है:
- केवल व्यक्तिगत स्वच्छता बनाए रखना
 - केवल पर्यावरणीय स्वच्छता बनाए रखना
 - अच्छी तरह से संतुलित आहार, स्वच्छता और टीकाकरण
 - खाद्य स्वच्छता को बनाए रखना
16. बच्चों में श्वसन संक्रमण को रोकने के लिए किस प्रकार के भोजन से बचना चाहिए?
- स्तनपान कराना
 - बॉटल फीडिंग
 - गाय का दूध
 - वजन कम करने वाला आहार
17. बच्चे को सामान्य सर्दी होने पर किस प्रकार का तरल पदार्थ दिया जाना चाहिए
- कोल्ड ड्रिंक
 - गर्म तरल पदार्थ
 - मसालेदार सूप
 - ग्लूकोज पान

18. कौन सी घरेलू पर्यावरणीय स्थिति श्वसन संक्रमण का कारण बन सकती है?

- क) घर के अंदर धूम्रपान
- ख) अपर्याप्त आहार
- ग) पर्याप्त वेंटिलेशन
- घ) सूर्य प्रकाश के संपर्क में

19. घर पर घर के अंदर प्रदूषण को कम करने के तरीके क्या हैं

- क) घर के अंदर धूम्रपान ईंधन का उपयोग करने से बचें
- ख) दरवाजे पर जूते निकालें
- ग) घर के अंदर एयर फ्रेशनर का उपयोग
- घ) क और ख दोनों

भाग सी: तीव्र श्वसन संक्रमण का गृह प्रबंधन

20. नाक जमाव से छुटकारा पाने के लिए नाक निकासी के लिए सबसे अच्छा तरीका है

- क) नाक को साफ करने के लिए खारा नाक से टपकाना
- ख) नाक साफ करने के लिए गीले कॉटन का इस्तेमाल करें
- ग) नाक साफ करने के लिए तेल लगाएं
- घ) नाक को साफ करने के लिए सादा पानी डालें

21. एक वर्ष से कम उम्र के बच्चे को कौन सा घरेलू उपचार नहीं देना चाहिए

- क) शहद
- ख) अदरक पीते हैं
- ग) गर्म पानी
- घ) नमकीन पानी

22. सीने में जमाव को दूर करने के लिए सबसे अच्छा तरीका कौन सा है।

- क) भाप लेना
- ख) गर्म पानी
- ग) शहद
- घ) अदरक का पानी

23. गतिविधि में से कौन सा बड़े बच्चों में सांस लेने में कठिनाई को बेहतर बनाने में मदद करता है

- क) श्वास व्यायाम
- ख) स्तनपान
- ग) गर्म पानी
- घ) नमकीन पानी

24. बच्चे को कितनी देर तक भाप दी जानी चाहिए

- क) 10-15 मिनट
- ख) 15-20 मिनट
- ग) 20-25 मिनट
- घ) 25-30 मिनट

25. सांस लेने में कठिनाई से राहत के लिए फेफड़ों में से स्राव / थूक को हटाने के लिए निम्नलिखित में से किसका उपयोग किया जाता है

- क) छाती का थपथपाना
- ख) श्वास व्यायाम
- ग) शहद
- घ) अदरक का पानी

उपकरण संख्या 6

बच्चों में तीव्र श्वसन संक्रमण की रोकथाम और घर प्रबंधन पर माताओं के लिए स्व-रिपोर्ट की गई अभ्यास सूची

निर्देश: प्रतिभागियों से अनुरोध किया जाता है कि वे प्रतिक्रियाओं के अनुसार वस्तुओं के खिलाफ टिक मार्क लगाएं।

अनु क्रमांक	विषय	हमेशा 2	कभी कभी 1	कभी नहीं 0
तीव्र श्वसन संक्रमण की रोकथाम				
1	मैं अपने घर के फर्श को रोजाना पोछा लगाती हूँ			
2	मेरे परिवार के सदस्य घर में प्रवेश करने से पहले दरवाजे पर जूते उतार देते हैं।			
3	मेरे परिवार के सदस्य घर के अंदर एयर फ्रेशनर का उपयोग करते हैं।			
4	जब मेरा बच्चा बीमार होता है तो मैं उसे रोजाना नहलाती हूँ			
5	मैं रोजाना पानी से खाना पकाने के क्षेत्र को साफ करता हूँ।			
6	मैं घर के अंदर खाना पकाने के लिए गाय के गोबर या लकड़ी का उपयोग करता हूँ			
7	मैं बच्चे को खिलाने से पहले अपने हाथ पानी से धोती हूँ।			
8	मैं अपने बच्चे को रोजाना दूध देती हूँ			
9	मैं अपने बच्चे को बोतल से दूध पिलाती हूँ।			
10	मैं बच्चे को दूध पिलाने के बाद दूध की बोतल को पानी से धोती हूँ।			
11	मैं अपने बच्चे को हफ्ते में कम से कम 3 बार हरी पत्तेदार सब्जियाँ देता हूँ।			
तीव्र श्वसन संक्रमण का घरेलू प्रबंधन				
12	मैं अपने बच्चे को रोजाना पीने के लिए उबला हुआ / छना हुआ पानी देता हूँ।			
13	जब मेरा बच्चा बुखार से पीड़ित होता है तो मैं गुनगुना पानी देता हूँ।			
14	मैं अपने बच्चे को प्रारूप। से दूर रखता हूँ।			

15	मैं अपने बच्चे को गर्म पानी के साथ शहद देता हूँ जब वह सर्दी और खांसी से पीड़ित होता है।			
16	मैं अपने बच्चे को भाप देता हूँ जब वह सर्दी और खांसी से पीड़ित होता है।			
17	मैं छाती से स्राव / थूक निकालने के लिए भाप देने के बाद अपने बच्चे के सीने पर थपथपाहटकरता हूँ।			
18	मैं अपने बच्चे के लिए नाक की बूंद का उपयोग करता हूँ, जब वह नाक स्राव को दूर करने के लिए नाक के निर्वहन / नाक की रुकावट से पीड़ित होता है।			
19	मैं अपने बच्चे को चीनी का पानी देता हूँ जब वह खाने से इंकार कर देता जब वह सर्दी और खांसी से पीड़ित होता है।			

अधिकतम स्कोर: 36

न्यूनतम स्कोर: 0

सकारात्मक कथन आइटम: 1, 2, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18

सदैव 2, कभी-कभी 1, कभी 0 नहीं

नकारात्मक कथन आइटम: 3, 4, 6, 10, 19

नकारात्मक कथन के लिए स्कोरिंग उलट दी जाएगी

सदैव 0, कभी-कभी 1, कभी 2 नहीं

ANNEXURE VII

Need Based Interventional Package

Introduction: Need based interventional package refers to multi-component training program which was prepared by researcher. It was designed to provide information to mothers in a group of (10-20) regarding prevention and home management of acute respiratory infection among under five children.

Purpose: The main purpose of this program was improvement in knowledge and practice of mothers related to prevention and home management of acute respiratory infection and reduce the occurrence of ARI in under five children.

Objectives: The objectives of intervention package for mothers to

1. To enhance knowledge of mothers regarding prevention and home management of acute respiratory infection.
2. To improve practice of mothers regarding prevention and home management of acute respiratory infection.
3. To develop competency among mothers in order on assessment of respiratory dangers sign and symptoms and manage at home with home remedies at early.
4. Demonstrate skill in providing home management of acute respiratory infection.

The key features of this program were:

- ✓ Enhancing knowledge and competency of mothers regarding prevention and home management of acute respiratory infection in under five children.
- ✓ Assessment of respiratory status its danger sign and symptoms
- ✓ Poster for health education
- ✓ Demonstration on procedure

✓ Information booklet

Venue: Anganwadi centre

Mode of teaching: Letucure cum discussion, Discussion through video, Demonstration

AV Aids: Posters, Charts, Flip chart, Demonstration, Information brochure.

Duration of teaching: 2 weeks

Groups: Mothers of under five children

Medium of teaching: Hindi

Intervention schedule

S.no	Session	Content	Duration	AV Aids
1	Session 1	Teaching on Introduction of ARI, risk factors, mode of transmission of ARI, and diagnostic and assessment criteria of ARI	20 -25 mins	charts, posters, pamphlets
2	Session 2	Teaching on Preventive measure of ARI (Immunization, Nutrition, Breast feeding, Weaning diet, Child safety and Child hygiene)	40 -45 mins	charts, posters, pamphlets
3	Session 3	Teaching on Home management and Home remedies for ARI	40 -45 mins	Charts, poster, Video, pamphlets
4	Session 4	Demonstration on <ul style="list-style-type: none">• Handwashing▪ Steam inhalation▪ Chest physiotherapy	50-60 mins	Demonstration, videos
5	Session 5	Demonstration of breathing exercise <ul style="list-style-type: none">• Candle and flower activity▪ Blowing bubbles▪ Pursued lip breathing Re-briefing of session Distribution of information booklet	50-60 mins	Demonstration, videos

Session I: Teaching on acute respiratory infection

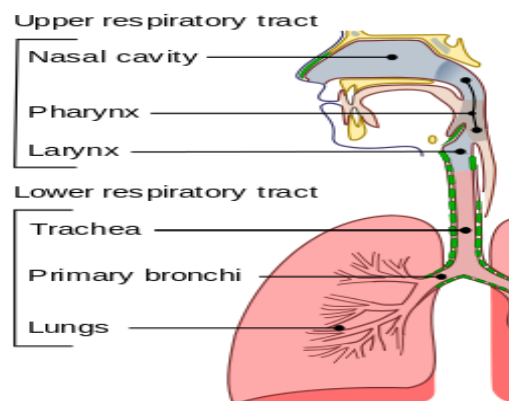
Duration of Session: 20-25 mins

Introduction

The development of country is completely based on healthy citizen. Nutrition is vital to get good health and to get protection from infection. The care of child starts from birth only. The first five years of child need good care. This period is the recognition of physical growth, psychological development and acquiring of competence. Malnutrition, diarrhoea and acute respiratory infection are more prevalent in under five children in developing countries like India.

Respiratory system

The respiratory system is a biological system consisting of specific organs and structures used for gas exchange in human.



This respiratory tract is divided into an upper and a lower respiratory tract. The upper tract includes the nose, nasal cavities, sinuses, pharynx and the part of the larynx above the vocal folds. The lower tract includes the lower part of the larynx, the trachea, bronchi, bronchioles and the alveoli. This respiratory tract is responsible for

gaseous exchange which help in provision of O₂ in our body and elimination of CO₂ from our body.

Respiratory tract infection (RTI) refers to any of a number of infectious diseases involving the respiratory tract. An infection of this type is normally further classified as an upper respiratory tract infection or a lower respiratory tract infection. Lower respiratory infections, such as pneumonia, tend to be far more serious conditions than upper respiratory infections, such as the common cold.

Acute respiratory infection can be defined as the infection that makes it difficult to breathe normally. This infection can affect both your upper and lower respiratory system. The upper respiratory system starts at sinuses and end at vocal chords. While the lower respiratory system starts at vocal chords and ends at lungs.

Common risk factors for respiratory infection among children

- ✓ Increased exposure to an infectious agent, such as sibling order
- ✓ Close contact with someone with upper respiratory infection
- ✓ Poor hand washing
- ✓ Passive smoking in family
- ✓ Malnutrition
- ✓ Low birth weight
- ✓ Improper immunization
- ✓ Inadequate breastfeeding
- ✓ Delayed initiation of weaning diet
- ✓ Exposure to smoke and air pollution
- ✓ Inadequate nutrition
- ✓ Exposure to cold

- ✓ Low immune functioning
- ✓ Adverse climatic conditions and intolerable air pollution
- ✓ Inappropriate development of lungs during childhood/before birth
- ✓ Presence of fungal, viral and bacterial infections
- ✓ Poor hygiene

Mode of transmission of acute respiratory infection

- ✓ Primarily by direct contact with discharges from respiratory mucous membranes of infected persons
- ✓ By the airborne route, probably by droplets. It is spread by breathing in air droplets of the infected person who coughs, sneezes, or even laughs less than 3 feet from your child. The virus can also be spread by touching something that the infected person has sneezed, coughed or drooled on.
- ✓ By indirect contact with articles freshly soiled with the discharges of infected. viruses can be spread through objects, such as toys that have been previously touched by someone with a cold.

Symptoms of acute respiratory infection: Symptoms usually start slowly and include:

Initiating symptoms

- ✓ runny or stuffy nose
- ✓ sneezing
- ✓ cough
- ✓ sore throat
- ✓ Body aches

- ✓ Fever

Later symptoms

- ✓ Congestion
- ✓ Fatigue
- ✓ Difficulty in breathing
- ✓ Chest-indrawing
- ✓ Ear problems
- ✓ Wheezing
- ✓ Stridor
- ✓ Fast breathing

General danger sign

- ✓ Inability to breastfeed or drink
- ✓ Lethargy or unconscious convulsion
- ✓ Chest indrawing
- ✓ Fast breathing
- ✓ persistent high-grade fever more than 3 days
- ✓ Wheezing sound

Recognition of sign and symptoms of acute respiratory infection

- ✓ Initiating symptoms will be considered as child suffering from acute respiratory infection and can be managed at home. If fever remain for more than three days, child must be taken to doctor immediately.
- ✓ If child persists with these initiating symptoms more than three days and presenting with later symptoms, child must be taken to hospital to prevent

complication and for general danger signs (history of convulsions, presence of lethargy/altered sensorium, inability to feed and vomiting everything

- ✓ It can be a serious problem for children. Children are at higher risk as they are in contact with other children who could be virus carriers. Most of the upper respiratory infections are contagious and can spread easily. The infection can spread by inhaling respiratory droplets from sneezing and coughing

Session II: Teaching on preventive measure of ARI

Duration of Session: 40-45 mins

Review of previous session

Preventive and home measures of acute respiratory infection

- 1) Immunization
- 2) Adequate nutrition and food hygiene
- 3) Child safety and hygiene
- 4) Reduction of indoor pollution

IMMUNIZATION

Immunization is the process whereby a person is made immune or resistant to an infectious disease. The first six months of life of baby reflects high susceptibility to severe disease including respiratory virus infection. This respiratory infection can be improved by immunization recommended by government of India. Immunization against pertussis, influenza, measles is effective in prevention of respiratory infection among children.

Immunization schedule up to 2 years

1. The process of inducing immunity to an infectious organism or agent in an individual or animal through vaccination.
2. It is given for six killer diseases viz. T.B, diphtheria, pertussis, tetanus, poliomyelitis and measles and it is given as per national schedule for immunization.

Immunization Schedule

Age	Vaccine	Dose	Route	Amount
At Birth (for Institutional deliveries)	BCG	Single	ID (left upper arm)	0.05ml
	OPV	Zero Dose	Oral	2 Drops
At 6 weeks (1 ½ month)	BCG if not given at birth	Single	ID	0.1ml
	OPV 1	1st	Oral	2 Drops
	Pentavalent 1 (DPT1+HepB1+Hib1) Rotavirus 1	1st 1st 1st	IM IM Oral	0.5ml 0.5ml 2.5 ml
At 10 weeks (2 ½ month)	Pentavalent 2 (DPT2+Hep B 2+Hib2)	2nd	IM (Anterolateral part of mid thigh)	0.5ml
	OPV 2	2nd	Oral	2 Drops
	Rotavirus 2	2nd	Oral	2.5 ml
At 14 weeks (3 ½ month)	Pentavalent 3 (DPT3+Hep B 3+Hib3)	3rd	IM	0.5ml
	OPV 3	3rd	Oral	2 Drops
	Rotavirus 3	3rd	Oral	2.5 ml
	IPV	one dose	IM	0.5ml

At 9 months	Measles Vitamin A	Single First	S/C (right upper arm) Oral	0.5ml 1 lakh Units (1ml)
At 16-24 months	MMR DPT OPV Vitamin A	Single Booster 1 st Booster 1 st Second	S/C IM Oral Oral	0.5ml 0.5ml 2 Drops 2 lakh Unit (2ml)
At 2-5 yrs	Typhoid	First	IM	0.5ml
At 5-6 years	DPT OPV	Booster 2 nd Booster 2 nd	IM Oral	0.5ml 2 Drops
At 10 years	TT	First	IM	0.5ml
At 16yrs	TT	Second	IM	0.5ml

ADEQUATE NUTRITION AND FOOD HYGIENE

Health of a child depends upon foods they eat and environment in which they live.

Well-balanced diet is a vital part to have healthy child, because it is a critical period for growth of child especially under five children. To sustain and maintain good health body needs well balanced diet of different nutrients. Nutrition consists all essential elements which is important for growth and development of child.

Importance of nutrition for health

1. Good nutrition is essential during childhood, as it is a time of rapid growth, development and activity so, it is essential for growth and development of child

2. It helps in maintain and promoting good health
3. It helps in development of muscles
4. It regulates the function of vital organ.
5. It provides energy to the body

Breastfeeding

- ✓ Breast milk is essential for baby up to 6 months.
- ✓ Baby is put to breast within half an hour of delivery
- ✓ Firstly, empty first breast completely before offering the second breast.
- ✓ First breast milk colostrums which is sterile. it should not be discarded because it consists of all nutrients and protects infants from viral infections such as polio, measles, influenza.
- ✓ Breastfeeding should be continued during any illness because it prevents from dehydration.

Advantages of breast milk

It consists all nutrients

- ✓ There is no chance of contamination milk allergy, constipation, gas formation and gastro intestinal discomfort.
- ✓ It provides protection against diarrhea and respiratory infection.

To be avoided

- ✓ Avoid giving bottle feed
- ✓ Avoid giving pacifier.
- ✓ Artificial feeding should be avoided up to 6 months.
- ✓ Cow's milk can be given if breast milk is not available to child. Cow's milk is diluted with water and boil then after cooling fed to baby.

Weaning diet

- ✓ Breast feed is not sufficient for growth of infants so supplementary food is included along with breast milk called weaning food.
- ✓ It should be initiated at 6 months of age of child

How to initiate weaning and progress

Essentially follow the sequence:

1. Breast feeds (0-6 months)
2. Semi-liquid (after 6 months) Easy to digest, smooth and gentle on baby's stomach.
3. Semi-solid (after 8-9 months) Baby now needs food with taste and texture.
4. Semi solid (after 10 months) Baby now needs food that satisfy his urge to chew-complex taste and texture
5. Solid diet including variety of food items (1-1.2 yrs).

Some important points to be introduced in adequate nutrition

1. By providing well balanced diet that contains different types of food in such quantities and proportion so that need for calories, protein, minerals and vitamin and other nutrients is adequately met
2. Mainly pulses, legumes, cereals, milk and milk products, fruits, green leafy vegetables, eggs and meat for non-vegetarian.
3. Mothers should be encouraged to breast-feed. The feeding of the sick child is also an important factor in the prevention of PEM.
4. During illness should not be discontinued breast feeding
5. Prolonged breastfeeding without introduction of other foods
6. Weaning food should be started after 6 months.

7. Cereals and legumes
8. Provision of food supplementation
9. Promotion of early rehydration therapy in the child having diarrhea without restriction of feeding.
10. Maintain food hygiene, safe water, environmental sanitation
11. After cutting vegetables, it should be boiled.

CHILD SAFETY AND HYGIENE

Child safety

1. Keep the baby warm
2. Protect child from exposure to cold
3. Protect child from drought
4. Do not give cold drink to child
5. Do not allow child to play excessively in water.
6. Do not allow child to play in soil.
7. Do not allow child to take toys in mouth

Hygiene

1. Bottle should be rinsed with warm water to remove milk particles
2. Clean the bottle with brush
3. Keep the cooking area clean.
4. Fruits should be washed before eating
5. Wash hands before serving and preparing food
6. Wash hands before eating and after eating food.
7. Keep environment clean and surrounding home

8. Personal hygiene should be maintained because infection cause diarrhea, cold and cough and indirectly leads to deficiency of nutrients and causes malnutrition.
9. Clean the utensils properly
10. Infection can be prevented by maintaining hygiene.
11. Cover utensils with lid after cooking food.
12. Good hand washing is VERY important! Clean your hands and your child's hands often with soap and water. Wash for 15 to 20 seconds
13. Hand washing must be done for your child before and after eating food
14. Hand washing must be done for child after playing.
15. Teach your child to avoid touching his eyes, nose, and mouth whenever possible.
16. Teach your child to cover his nose and mouth with a tissue when coughing or sneezing, or to cough into his shirt sleeve. Wash hands afterwards
17. Wash the sick child's drinking glasses, knives, forks, or spoons with hot soapy water. Do not let other family members use them.
18. Other children should not play with or sleep in the same bed with your sick child during the early stage of the cold. Keep the house clean especially floor and kitchen area.
19. Maintain cross ventilation in house to minimize the growth of bacteria in dumping place.

REDUCTION OF INDOOR POLLUTION

1. Avoid using smoking fuel inside the house.
2. Avoid smoking indoors (quitting smoking is the best answer for overall health

3. Adequate ventilation is key to promoting healthy indoor air, and opening windows (when it's not too cold or the pollen count is not too high, of course) is an easy way to encourage a good exchange of indoor and outdoor air.
4. Remove shoes at the door
5. Wash bedding weekly in hot water
6. Avoid using perfumes, spray.
7. Air fresheners and candles in your home could be releasing harmful chemicals into your environment that can impact your health

Session III: Home management and home remedies of ARI

Duration of Session: 40-45 mins

Review of previous session

Home management of acute respiratory infection among under five children

1. Nasal clearance

- ✓ Saline nose drops may be used to help relieve the congestion and obstruction in the nose for younger children.
- ✓ Saline nose drops may be used before eating or bedtime to relieve a stuffy nose

2. For sore throat and cough

- ✓ Mothers instructed to provide home remedies of ginger and honey to relieve symptoms of cough and sore throat.
- ✓ Mother advised to give warm water mixed with 1/2 teaspoon of honey to children. It works well for coughs. As per WHO, honey is a potential valuable demulcent for the treatment of cough. Honey is sweet and viscous liquid with antibacterial, antiviral and anti-inflammatory properties. It naturally causes

reflex salivation and leading to demulcent effect on pharynx, larynx and reducing cough. However, it is not safe to give honey to children younger than one year of age.

- ✓ Ginger has antimicrobial property. So, mothers advised to give ginger drink (for older child) as per this instruction
 - Boil 1 thumb-sized pieces of peeled ginger root in 4 glasses of drinking water for 15 minutes. Divide it into 3 parts and give 1 part every 8 hours to children.
- ✓ Mothers advised to give 10 grams of honey to children at bedtime which reduce the severity of their cough symptoms. The children reportedly slept more soundly, which also helps reduce cold symptoms
- ✓ Older children also can gargle with warm salt water ($\frac{1}{4}$ to $\frac{1}{2}$ teaspoon of table salt dissolved in 8 ounces of warm water). It may also decrease the severity of sore throat pain and nasal congestion.

3. Liquids and diet

- ✓ **Increased fluid intake.** This will help in keeping the lining of the nose and throat moist and help to prevent dehydration
- ✓ Have your child drink plenty of fluids such as water after boiling. It is more important for your child to drink than to eat. When there is a loss of appetite, include easy semi-solid food, such as porridge, scrambled eggs, mashed vegetables with milk in your diet. Give hot drinks to child.

4. Home care of child with fever

- i. **Sponging:** Sponging involves using a damp cloth to wipe the body of child with fever. Tepid sponge is continuously given until the temperature falls.

- ii. **Increase fluid intake:** Having fever can increase the child's risk of becoming dehydrated. Fluid therapy includes milk, formula feed, juices.
- iii. **Clothing:** Child with fever should have loose clothing.
- iv. Child should be kept in clean environment and in well ventilated area.

5. Steam inhalation

6. Chest physiotherapy after steam inhalation must be done to remove mucus.

7. Breathing exercise can be done by older children.

When to seek help of doctor

- ✓ Fever has gone more than 102 degree
- ✓ Child is not able to breath properly
- ✓ Nails, toes etc are becoming blue
- ✓ Cold has stayed more than 1 week or so it requires special attention and other investigation

Session IV: Demonstration

Duration of Session: 50-60 mins

1) Demonstration on Steam inhalation

Introduction

Steam inhalation is one of the most widely used home remedies to soothe and open the nasal passages and get relief from the symptoms of cold and respiratory infection.

Purpose

- i. To provide antiseptic effect on the upper respiratory tract.
- ii. To soften thick, tenacious mucous and relief coughing
- iii. To aid in absorption of oxygen


Instruction

- i. Keep the door closed of room
- ii. Don't put on Fan
- iii. Do not remove clothes of child

Articles needed

- i. A large bowl
- ii. Boiled water
- iii. Towel

Steps of procedure

S.no	Steps	
1	Heat up the water to boiling.	
2	Carefully pour the hot water into the bowl.	
3	Drape the towel over the back of your head. Turn on a timer.	
4	Slowly lower head of child toward the hot water until you're about 8 to 12 inches away from the water. Be extremely careful to avoid making direct contact with the water.	
5	Don't steam longer than 10 to 15 minutes for each session. However, you can repeat steam inhalation two or three times per day	

For infant child

- i. Give warm bath to child in bathroom
- ii. Pour the hot water in bucket
- iii. Keep the door close of bathroom
- iv. Keep the child in bathroom for 10-15 mins for inhaling steam
- v. After this, Wrap the child in clothes and towel and come in to room.
- vi. Keep the door closed
- vii. After this, put the child on the cot with elevated head with pillow up to 45 degree

2) Demonstration on chest physiotherapy

Introduction

Chest physiotherapy is done to remove mucus from lungs to prevent breathing difficulties. It is to be done after steam inhalation.

Purpose

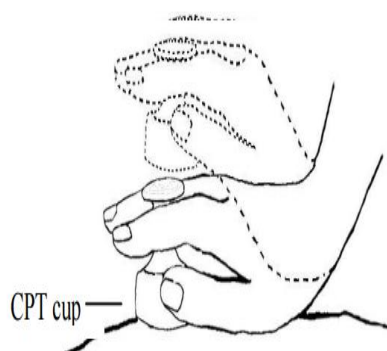
- i. To keep the child airway clearance
- ii. To promote child respiratory condition
- iii. To comfort child

Instructions

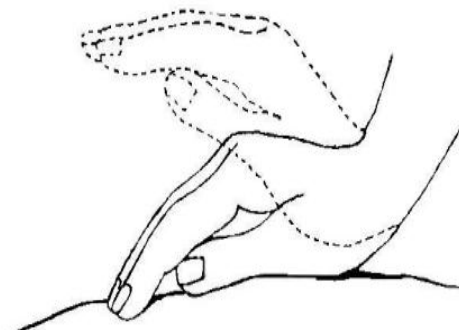
1. To make percussion more comfortable, your child should wear a thin layer of clothing such as a shirt, or you may use a blanket or towel over the skin. Do not percuss on bare skin.
2. Place your child on a padded surface, using blankets or pillows for positioning and support. Use the checked positions.
3. Percuss each area rhythmically and vigorously.

Formation of cup with hands for chest physiotherapy

for small child

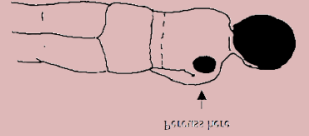



for older child



Steps of procedure

S.no	Steps	Picture
1	Place child in an upright position with back supported. Percuss just below the collarbones.	
2	Place child on the back. Percuss between the collarbone and nipple on both sides.	
3	Place child on the back. Percuss both sides just below the nipple and above the lower ribs	
4	Place child on the left side. Percuss on the top part of the right shoulder blade.	
5	Place child on the left side. Percuss below the right armpit and above the lower ribs.	
6	Place child on the abdomen (belly). Percuss below the shoulder blades and above the lower ribs.	

7	Place child on the right side. Percuss on the top part of the left shoulder blade.	
8	Place child on the right side. Percuss below the left armpit and above the lower ribs.	

3) Demonstration on Handwashing

Introduction

Handwashing is act of cleansing with water and soap for the purpose of removing soil, microorganism and in order to prevent cross contamination.

Steps



Session V: Modified Breathing exercise for children

Duration of Session: 50-60 mins

1. Candle and Flower activity: This exercise allows a child to relax with deep breaths as he uses his imagination. Make the child to start by making a fist out of his or her left hand, imagining he or she is holding a flower. Have him or her form a fist with the right hand as well, pretending that he or she is clutching a candle. Tell the child to inhale deeply as he or she sniffs the flower. Then, instruct the child to blow out the candle. Encourage the child to really inhale the scent of the flower and make sure the candle is completely blown out.

2. Blowing bubbles: Bubble breaths involve blowing imaginary bubbles and a creative and simple way to get kids interested in calming exercises. This activity encourages deep breathing, allowing a child's body to relax. Explain the child that this exercise will help him or she can feel more relaxed. Make the child to imagine that he/she is blowing bubbles and holding bubble wand. Ask child to sit in a comfortable position and ask to take in a deep breath and hold breath for 4 seconds then breathe out slowly as blowing the bubbles.

3. Pursued lip breathing: Pursued-lip breathing is a simple technique which consists of inhaling through the nose and exhaling through the mouth with pursued lips. Ask child to start in a seated position with leg crossed or sitting on the knees. Ask child to take a slow inhale through nose. The inhale should last about 3 seconds. On the exhale, ask child to exhale through pursued lips. The exhales should last twice as long as the inhale.

Re- briefing of the session: The mothers were rebriefed regarding the previous sessions and information booklet were given to mothers.

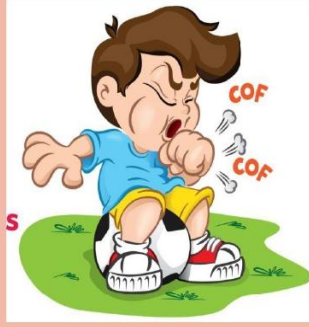
Follow up visits and reinforcement

Follow up was made during the 1st month, 3rd months and 6th months and mothers were reinforced to follow the advice given regarding prevention and home management of acute respiratory infection among under five children. ARI screening of children was done at 1st month, 3rd months and 6th months after intervention.

ANNEXURE VIII

Information booklet

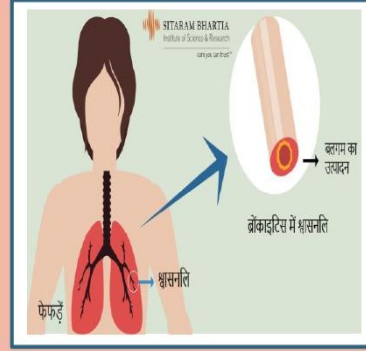
पाँच वर्ष से कम उम्र के बच्चों में तीव्र श्वसन
संक्रमण की रोकथाम और घरेलू प्रबंधन पर
सूचना पुस्तिका



प्रस्तुत द्वारा
दीपिका बाजवान
पीएच.डी छात्रा

तीव्र श्वसन संक्रमण

इसको उस संक्रमण के रूप में परिभाषित किया जा सकता है जो सामान्य रूप से सांस लेना मुश्किल बना देता है। यह संक्रमण आपके ऊपरी और निचले श्वसन तंत्र दोनों को प्रभावित कर सकता है



तीव्र श्वसन संक्रमण के जोखिम कारक

- कुपोषण
- जन्म के समय कम वजन
- अनुचित टीकाकरण
- अपर्याप्त स्तनपान
- आहार की शुरुआत में देरी
- परिवार में निष्क्रिय धूमपान
- ठंड के संपर्क में आना

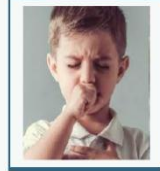
संक्रमण के संचरण का तरीका

- संक्रमित व्यक्ति से सीधा संपर्क
- संक्रमित व्यक्तियों के साव से ताजी गंदी हुई वस्तुओं के साथ अप्रत्यक्ष संपर्क

बहती या भरी हुई नाक



खाँसी



गला खराब होना



लक्षण

शरीर में दर्द



बुखार



लगातार छींक आना





तीव्र श्वसन संक्रमण का निवारक उपाय



1. टीकाकरण

IMMUNIZATION प्रतिरक्षीकरण

Immunization for a Pregnant Lady

गर्भवती महिला के लिए प्रतिरक्षीकरण



Tetanus - 1
टेटनस - 1

At the earliest after the detection of pregnancy.
गर्भावस्था में जितनी जल्दी हो सके

One injection
एक टीका



Tetanus - 2
टेटनस - 2

One month after Tetanus - 1
टेटनस - 1 के 1 महीने बाद

One injection
एक टीका



Tetanus (Booster)
टेटनस (बूस्टर)

If, both Tetanus injections were given in the last 3 years.
यदि, पिछले तीन वर्षों में टेटनस के दोनों टीके लग चुके हों।



Iron Capsules
लोहा / आयरन गोलीयों

A minimum intake of 1 tablet is necessary daily for 3 months.
कम से कम 1 गोली प्रतिदिन, तीन माह तक, अवश्य खाएँ।

Immunization for a Child बच्चे का प्रतिरक्षीकरण

On Birth जन्म पर	After 1½ months 1½ माह पर	After 2½ months 2½ माह पर	After 3½ months 3½ माह पर	After 9 months 9 माह पर	After 1½ years 1½ वर्ष पर	After 5 years 5 वर्ष पर	After 5-8 years 5-8 वर्ष पर
B. C. G. बी.सी.जी.	D.P.T. डी.पी.टी.			Measles खसरा	D.P.T. बी.सी.जी. Booster बूस्टर		Typhoid टाइफाइड
Polio drops पोलियो की खुराक				Polio drops पोलियो की खुराक			
Hepatitis B हेपेटाइटिस बी				Hepatitis B हेपेटाइटिस बी			
Give the Child, polio drops on every Pulse Polio Day upto 5 years of age. बच्चे को हर छह माह सभी पाले पोलिए दिवस पर बच्चे को पोलियो की खुराक अवश्य दिलावार्ए।				Vitamin A 1st Dose विटामिन ए पहली खुराक		Vitamin A 2nd Dose विटामिन ए दूसरी खुराक	
After 10 years: - Tetanus injection 10 वर्ष पर : टेटनस का टीका							

2. पर्याप्त पोषण और खाद्य स्वच्छता

स्तनपान 6 महीने तक



6 महीने के बाद उपरी आहार



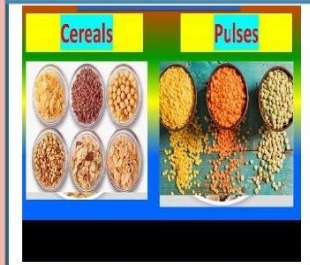
दूध



हरे पत्ते वाली सब्जियां



दालें



फल



3. बाल सुरक्षा और स्वच्छता

बोतल से दूध नहीं पिलाना



कोल्ड ड्रिंक नहीं



घर के अंदर धूम्रपान वर्जित



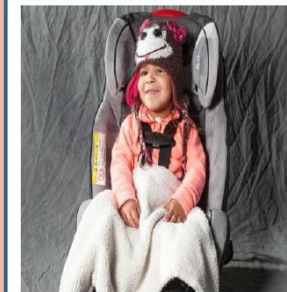
हाथ धोना बच्चे को संभालते समय



स्वच्छता बनाए रखें



बच्चे को गर्म रखें



तीव्र श्वसन संक्रमण का घरेलू प्रबंधन एवं घरेलू उपचार

1. नाक साफ करना

- ✓ छोटे बच्चों की नाक में जमाव और रुकावट से राहत पाने के लिए सेलाइन नाक की बूंदों का उपयोग किया जा सकता है।
- ✓ बंद नाक से राहत पाने के लिए खाने या सोने से पहले सेलाइन नाक की बूंदों का उपयोग किया जा सकता है।


2. गले की खराश के लिए

- ✓ गर्म पानी में आधा चम्मच शहद मिलाएं। यह खांसी के लिए अच्छा काम करता है।
- ✓ अदरक का पानी (बड़े बच्चे के लिए): अदरक के 1 अंगूठे के आकार के टुकड़ों को 4 गिलास पीने के पानी में 15 मिनट तक उबालें। इसे 3 भागों में बांट लें और हर 8 घंटे में 1 भाग दें।
- ✓ बच्चों को सोते समय 10 ग्राम शहद देने से उनकी खांसी के लक्षणों की गंभीरता कम हो गई।
- ✓ बड़े बच्चे भी गर्म नमक के पानी (¼ से ½ चम्मच नमक को 8 औंस गर्म पानी में घोलकर) से गरारे कर सकते हैं। यह गले में खराश के दर्द और नाक बंद होने की गंभीरता को भी कम कर सकता है।

3. तरल पदार्थ और आहार

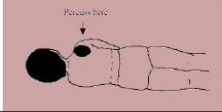


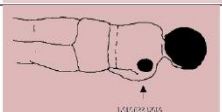

- ✓ तरल पदार्थ का सेवन बढ़ना। यह नाक और गले की परत को नम रखने में मदद करेगा और निर्जलीकरण को रोकने में मदद करेगा।
- ✓ अपने बच्चे को खूब सारे तरल पदार्थ पिलाएं जैसे पानी उबालकर। आपके बच्चे के लिए खाने से ज्यादा जरूरी है पीना।
- ✓ भूख कम लगने पर अपने आहार में आसान अर्ध-ठोस भोजन, जैसे दलिया, तले हुए अंडे, दूध के साथ मसली हुई सब्जियां शामिल करें।
- ✓ बच्चे को गर्म पेय दें।

4. बच्चे को भाप देना

क्र.सं	प्रक्रिया के चरण	
1	पानी को उबलने तक गर्म करें।	
2	गर्म पानी को सावधानी से कटोरे में डालें।	
3	अपने सिर के पीछे तौलिये को लपेटें।	
4	धीरे-धीरे बच्चे के सिर को गर्म पानी की ओर नीचे करें जब तक कि आप पानी से लगभग 8 से 12 इंच दूर न हो जाएं। पानी के सीधे संपर्क में आने से बचने के लिए बेहद सावधान रहें।	
5	10 से 15 मिनट से अधिक समय तक भाप न लें। हालाँकि, आप प्रति दिन दो या तीन बार भाप लेना दोहरा सकते हैं।	

5. भाप लेने के बाद छाती की फिजियोथेरेपी

क्र.सं	प्रक्रिया के चरण	चित्र
1	बच्चे को पीठ के सहारे सीधी स्थिति में लिटाएं। कॉलरबोन के ठीक नीचे पिठ थपथापये।	
2	बच्चे को पीठ के बल लिटाएं. दोनों तरफ कॉलरबोन और निपल के बीच थपथापये।	
3	बच्चे को पीठ के बल लिटाएं. निपल के ठीक नीचे और निचली पसलियों के ऊपर दोनों तरफ से थपथापएं।	

4	बच्चे को बायीं ओर लिटायें। दाहिने कंधे के उपरि भाग पर थपथपाएं।	
5	बच्चे को बायीं ओर लिटायें। दाहिनी बगल के नीचे और निचली पसलियों के ऊपर थपथपाएं।	
6	बच्चे को पेट के बल लिटाएं। कंधे के उपरी भाग के नीचे और निचली पसलियों के ऊपर थपथपाएं।	
7	बच्चे को दाहिनी ओर रखें। बाएं कंधे के उपरी भाग पर थपथपाएं।	
8	बच्चे को दाहिनी ओर रखें। बायीं बगल के नीचे और निचली पसलियों के ऊपर थपथपाएं।	

6. बच्चों के लिए संशोधित श्वास व्यायाम

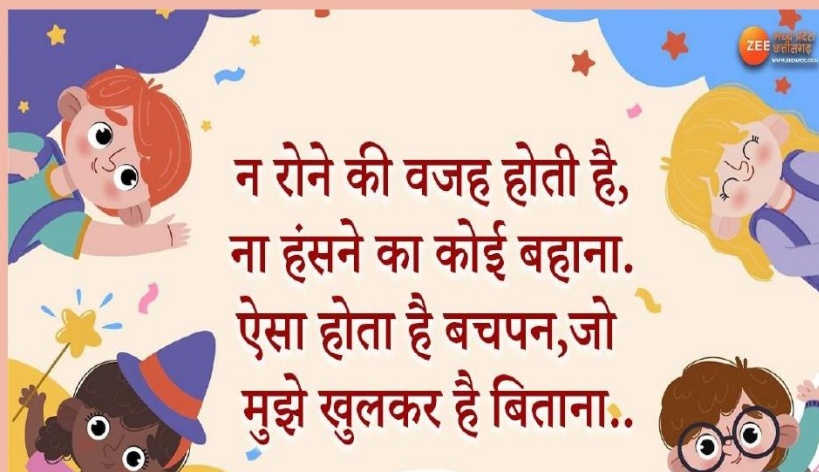
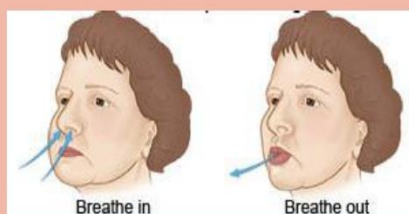
1. **मोमबत्ती और फूल गतिविधि श्वास व्यायाम** : शुरुआत में बच्चे को अपने बाएं हाथ से मुट्ठी बनाकर कल्पना करें कि उसने एक फूल पकड़ रखा है। उसे दाहिने हाथ से भी मुट्ठी बांधने को कहें, ऐसा दिखावा करें कि उसने मोमबत्ती पकड़ रखी है। बच्चे को फूल सूँघते समय गहरी साँस लेने को कहें। फिर, बच्चे को मोमबत्ती बुझाने का निर्देश दें। बच्चे को वास्तव में फूल की खुशबू लेने के लिए प्रोत्साहित करें और सुनिश्चित करें कि मोमबत्ती पूरी तरह से बुझ जाए।



- II. **बुलबुले उड़ाना श्वास व्यायाम:** बच्चे को समझाएं कि इस व्यायाम से उसे मदद मिलेगी या वह अधिक आराम महसूस कर सकेगा। बच्चे को यह कल्पना करने दें कि वह बुलबुले उड़ा रहा है और बुलबुले वाली छड़ी पकड़ रहा है। बच्चे को आरामदायक स्थिति में बैठने के लिए कहें और गहरी सांस लेने के लिए कहें और 4 सेकंड के लिए सांस रोकें और फिर बुलबुले उड़ाते हुए धीरे-धीरे सांस छोड़ें।



- III. **पर्सड-लिप ब्रीदिंग व्यायाम:** पर्सड-लिप ब्रीदिंग एक सरल तकनीक है जिसमें नाक से सांस लेना और होठों से मुंह के जरिए सांस छोड़ना शामिल है। बच्चे को पैर क्रॉस करके या घुटनों के बल बैठकर शुरुआत करने के लिए कहें। बच्चे को नाक से धीमी गति से सांस लेने को कहें। श्वास लगभग 3 सेकंड तक चलना चाहिए। साँस छोड़ते समय, बच्चे को सिकुड़े होठों से साँस छोड़ने के लिए कहें। साँस छोड़ना, साँस लेने से दोगुना समय तक चलना चाहिए।



धन्यवाद



ANNEXURE IX

List of experts for tool validation and Intervention

1. **Dr. Poonam Joshi**
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Lecturer
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2. **Dr. Shashi Manwar**
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Lecturer
College of Nursing
AIIMS Delhi
3. **Dr. Ruma Nayak**
Dept. of Pediatric Nursing
Professor
Christian Medical College
Vellore
4. **Dr. Neerja Sood**
Dept. of Community Health Nursing
Assistant Professor
School of Health Science
IGNOU, Delhi
5. **Dr. Smriti Arora**
Dept. of Pediatric Nursing
Principal
Amity College of Nursing
AIIMS, Rishikesh
7. **Dr. Kamlesh Shama**
Dept. of Community Health Nursing
Lecturer
College of Nursing
AIIMS Delhi
8. **Dr. Rupashree**
Dept. of Pediatric Nursing
Vice Principal
College of Nursing
IGIMS Patna
9. **Dr. Manju Dandapani**
Dept. of Medical Surgical Nursing
Assitant Professor
College of Nursing
PGI, Chandigarh

ANNEXURE X

List of Formulas used for analysis and interpretation

Statistical test

1.	Mean	Mean = $\sum x_i/n$
2	Median	Median = $(n + 1) \div 2$
3	Standard Deviation	$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \mu)^2}$
4	Mann Whitney U Test	$U = n_1 n_2 + n_1(n_1 + 1)/2 - T$
5	Fisher's Exact Test	$p = \frac{(a+b)! (c+d)! (a+c)! (b+d)!}{(a! b! c! d! n!)}$
6	Spearman-Brown Formula	$k r / (1 + (k-1) r)$
7	Karl Pearson Coefficient Of Correlation	$R = \frac{(n \sum xy) - (\sum x) (\sum y)}{\sqrt{[n \sum x^2 - (\sum x)^2] [n \sum y^2 - (\sum y)^2]}}$
8	Independent t test	$t = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{(s_1^2/n_1 + s_2^2/n_2)}}$
10	r- Anova test	$F = MST/MSE$

ANNEXURE XI

CTRI Registration



CTRI Trial Registration

Inbox x



adm-ctri@nic.in via nic.in
to d.bajwan981990

Mar 31, 2022, 12:21PM

Dear Concerned,

Trial REF/2022/02/051797 has been registered. The registration number for this trial is CTRI/2022/03/041529. Kindly note the same records. You are requested to update the trial every 6 months.

Regards
CTRI Team



adm-ctri@nic.in

Mar 31, 2022, 12:21PM

Dear Concerned, Trial REF/2022/02/051797 has been registered. The registration number for this trial is CTRI/2022/03/041529. Ki

ANNEXURE XII

Pictures of data collection



Pictures of data collection



Pictures of data collection



Pictures of data collection



ANNEXURE XIII

Paper Publication

ISSN: 2320-5407

Int. J. Adv. Res. 11(11), 1084-1093

 <p>ISSN NO. 2320-5407</p>	<p>Journal Homepage: -www.journalijar.com</p> <h3>INTERNATIONAL JOURNAL OF ADVANCED RESEARCH (IJAR)</h3> <p>Article DOI:10.21474/IJAR01/17914 DOI URL: http://dx.doi.org/10.21474/IJAR01/17914</p>	
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RESEARCH ARTICLE

RISK FACTORS OF ACUTE RESPIRATORY INFECTION AMONG UNDER FIVE CHILDREN IN RURAL COMMUNITY OF NORTH DELHI

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Manuscript Info

Manuscript History

Received: 17 September 2023
Final Accepted: 24 October 2023
Published: November 2023

Key words: -

Acute Respiratory Infection, Risk Factors, Under Five Children, Explore

Abstract

Introduction: Children are mankind's seeds for the future and God given gift or hope. They deserve the almost care from us. Children are as a clay material. Acute respiratory infection (ARI) is a serious public health issue especially in developing nations like India where the majority of people are impoverished, live in slums and exposed to deadly diseases. Children under the age of five are particularly vulnerable to infection at an early stage. So, for the maintenance of best healthy status of children and identification of risk factors of acute respiratory infection among under five children is essential.

Aim: To explore risk factors of acute respiratory infection among under five children in rural community of North Delhi region

Methodology: An exploratory research design was adopted for this study. A total 430 one to five years age of children were selected with the help of consecutive sampling technique in randomly selected villages of North Delhi region. Semi structured interview schedule was used for data collection.

Results: The prevalence of acute respiratory infection was 35% (150 out of 430 children). It was identified that preterm delivery, Low birth weight, birth order of children, overcrowding in the house, indoor smoking, smoky fuel used for cooking, house location near by dusty main road, open drainage system, Family history of respiratory infection leading to cause of occurrence of ARI among children.

Conclusion: Multivariate factors are responsible for acute respiratory infection among children which can be modified to prevent morbidity and mortality rate of under five children due to acute respiratory infection.

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Introduction:-

Children are seeds for future of the country. They are most precious part of nation in term of physical, mental, emotional development as a worthy citizen. The development of country is completely based on healthy citizen. Nutrition is vital for good health and to get protection from infection. The care of child starts from birth only.

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During first five years of child is period of recognition of physical growth, psychological development and acquiring of competence. In underdeveloped nations like India malnutrition, diarrhoea and respiratory illness are now more common among under five children.

Acute respiratory infections (ARIs) are still a major public health problem and they are well recognized as a major contributor to the greatest mortality and morbidity rates in children under the age of five. ARI is most common in young children particularly under the age of five and it diminishes with maturity. Children who belongs to poor economic status are malnourished and more prone to get respiratory infection. All over the world there is one-fifth of mortality rate among below five years of age is due to acute respiratory infection. Children under the age of five experience roughly 5 episodes of ARI every year on average resulting in about 238 million episodes. Approximately, 30-50 per cent of under five children suffering from ARI visiting health facilities and about 20-40 percent get admitted in hospital due to complication. According to hospital statistics from states with the highest mortality rates, ARI is responsible for up to 13% of inpatient fatalities in paediatric wards. The proportionate incidence of ARI related mortality is substantially greater in the community and many children die at home owing to a lack of basic facilities in rural and slum areas.

Acute respiratory infection is an illness that affects any region of the respiratory system including the paranasal sinus, middle ear and pleural cavity. It may produce respiratory tract inflammation everywhere from the nose to the alveoli with a broad variety of symptoms and indications. If upper respiratory infection is not treated, it extends to lower respiratory tract. Acute respiratory infection is communicable which can spread from infected child to another person. The episodes of ARI can be mild and lead to severe episodes. The recurrent episodes of ARI affect the growth and development of child.

Statement of the problem

A study to explore risk factors of acute respiratory infection among under five children in rural community of North Delhi

Objective of the study:-

1. To find out prevalence of acute respiratory infection among under five children
2. To explore risk factors of acute respiratory infection among under five children

Research Methodology:-

Study design:

Exploratory survey

Sample:

430 under five children were selected on the basis of sample size calculation

Setting and sampling technique:

This survey was conducted in Lampur and Singhola villages of randomly selected Narela subdivision in North Delhi region. A multi stage cluster random sampling technique was used to select villages from North Delhi region. Door to door survey was conducted in selected two villages and total 430 one to five years age of children were selected through consecutive sampling technique.

Data collection tool:

A Structured ARI screening tool was used to consider as a case of ARI among under five children to find out prevalence of ARI among under five children and semi structured interview schedule was used to collect data related to risk factors of acute respiratory infection among children and this tool included child's characteristics, environmental characteristics, History of morbidity in last six months and nutritional history of child during infancy period.

Ethical consideration:

A written informed consent was taken from mothers of children to be included in the study.

Data analysis and findings.

The data was entered in to master sheet and descriptive and inferential statistics analysis was done with the help of SPSS

Objective 1:

To find out prevalence of Acute respiratory infection among under five children

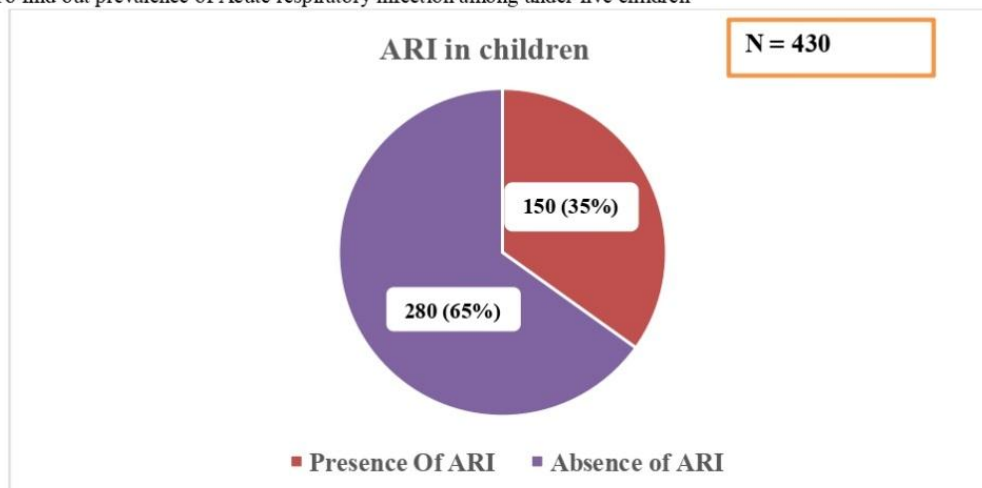


Figure no1:- Pie diagram showing overall prevalence of ARI in Under five children.

Figure no 1 show that out of 430 under five children, 150 had symptoms of acute respiratory infection at the time of data collection. The overall Prevalence rate of ARI was found 35%.

Objective 2: To explore risk factors of acute respiratory infection among Under five children

The Risk factors were assessed by using semi structured interview questionnaire through interview schedule. Frequency and percentage distribution of risk factors was computed in to four components which includes Child's characteristics, Environmental characteristics, history of illness in last 6 months and nutritional history during infancy period.

Table no 1:- Distribution of study sample based on risk factors of ARIN =430.

S.no	Factors	Yes	No
		n (%)	n (%)
I. Child's Characteristics			
1.	Preterm birth of child	111 (25.81)	319 (74.18)
2	Low Birth weight	130 (30.23)	300 (69.76)
3	First birth order of child	119 (27.67)	311 (72.32)
4	Completely immunized as per age	420 (97.67)	10 (02.32)
II. Environmental characteristics			
1	Inadequate ventilation status of house	85 (19.76)	345 (80.23)
2	Overcrowding in house	152 (35.34)	278 (64.65)
3	Indoor smoking	164 (38.13)	266 (61.86)
4	Smoky Fuel used for cooking	32 (07.44)	398 (92.55)
5	Kuccha House	32 (07.44)	398 (92.55)
6	House located near to dusty main road	147 (34.18)	283 (65.81)
7	Presence of factory nearby house	00 (00.00)	430 (100)
8	Sources of safe drinking water	430 (100)	00 (00.00)
9	Open drainage system	295 (68.60)	135 (31.39)
10	Open Waste disposal	120 (27.90)	310 (72.09)

11	Pets in house	137 (31.86)	293 (68.13)
III History of illness in last six months			
1	History of any illness in child other than ARI	57 (13.25)	373 (86.74)
2	Family history of respiratory infection	23 (05.34)	407 (94.65)
IV Nutritional history during infancy period			
1	Received Pre-lacteal feed	109 (25.34)	321 (74.65)
2	Received First Breast milk (Colostrum)	430 (100)	00 (00.00)
3	Exclusive Breast-feeding practices	356 (82.79)	74 (17.20)
4	Bottle feeding	134 (31.16)	296 (68.83)
5	Weaning initiated after 6 months	270 (62.79)	160 (37.20)

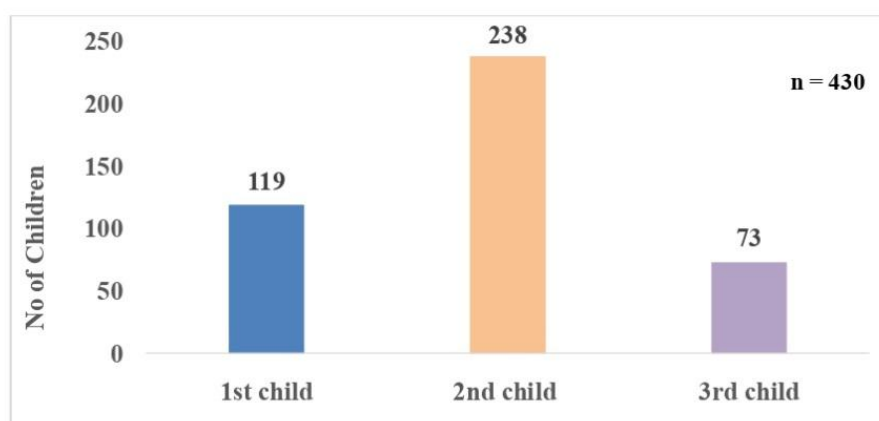


Fig no 2:- Bar diagram representing frequency distribution of birth order of child. Figure no 2 depicts that Out of 430 Majority 238 (55.34 %) of children were Second born child in the family.

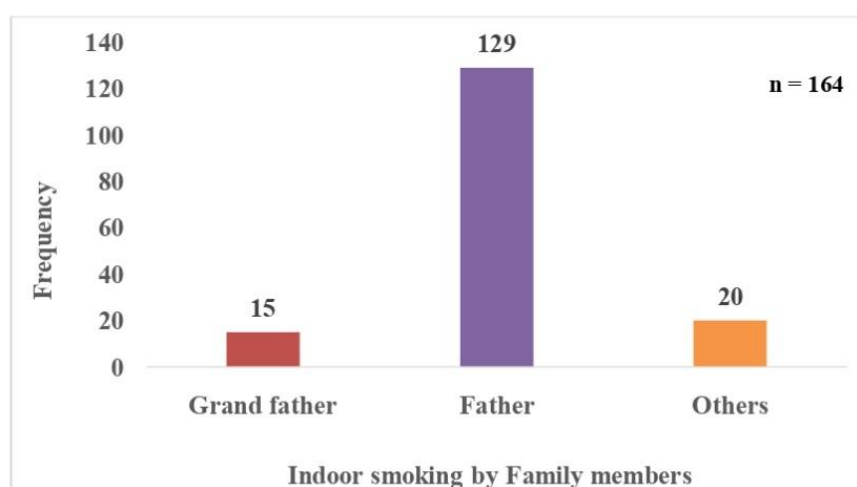


Fig no 3:- Bar diagram representing frequency distribution based on indoor smoking by family members. Figure no 3 shows that out of 430 Families of 164 children used to do indoor smoking. Among them, majority 129 (78.54%) of father do smoking inside the house which leads to risk factor of acute respiratory infection.

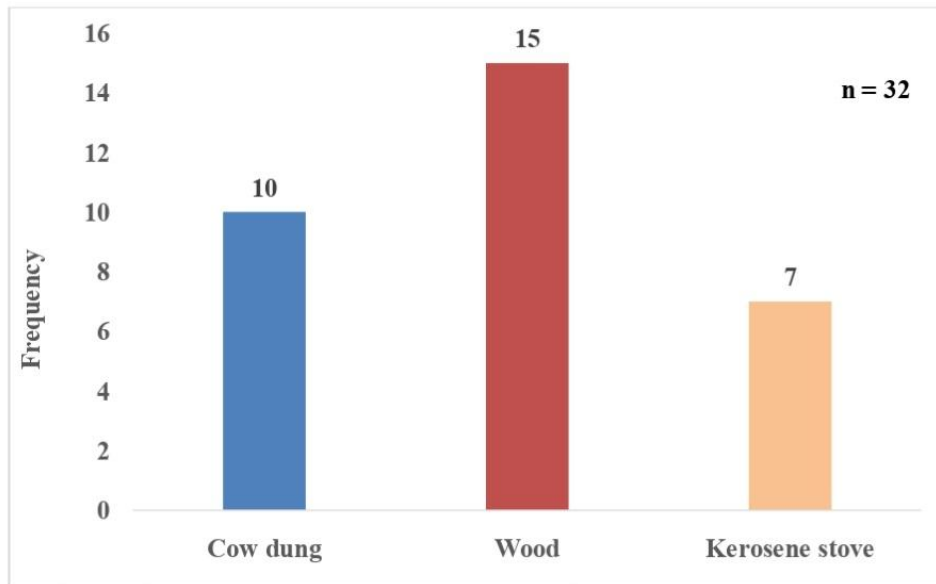


Fig no 4:- Bar diagram representing frequency distribution based on smoky fuel used for cooking. Fig no 4 depicts that 32 (7.44%) families were using smoky fuel for cooking.

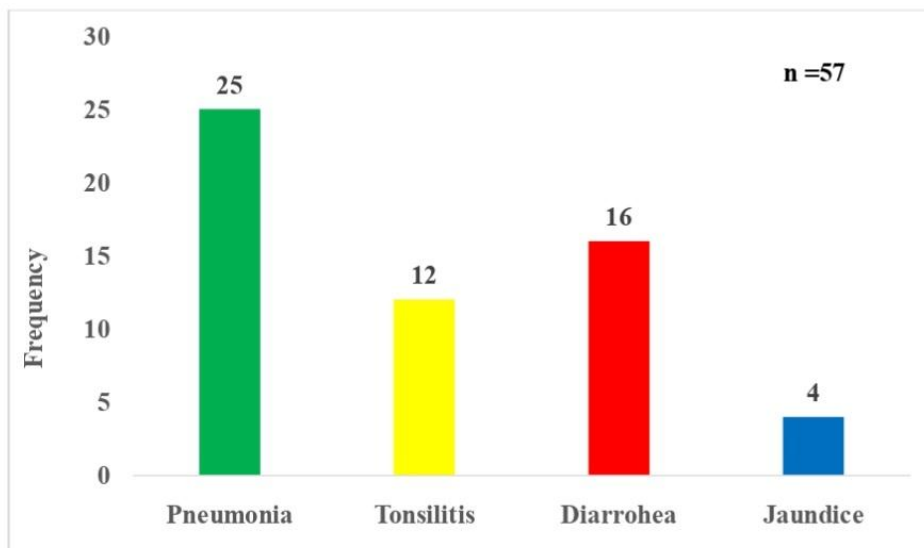


Fig no 5:- Bar diagram representing frequency-based distribution of History of any other illness in child in last six months. Fig no 5 shows that 57 (13.35%) children were having presence of other illness in last six month at the time of base line assessment. Among them, majority 25 (43.85%) of them were suffered from pneumonia disease

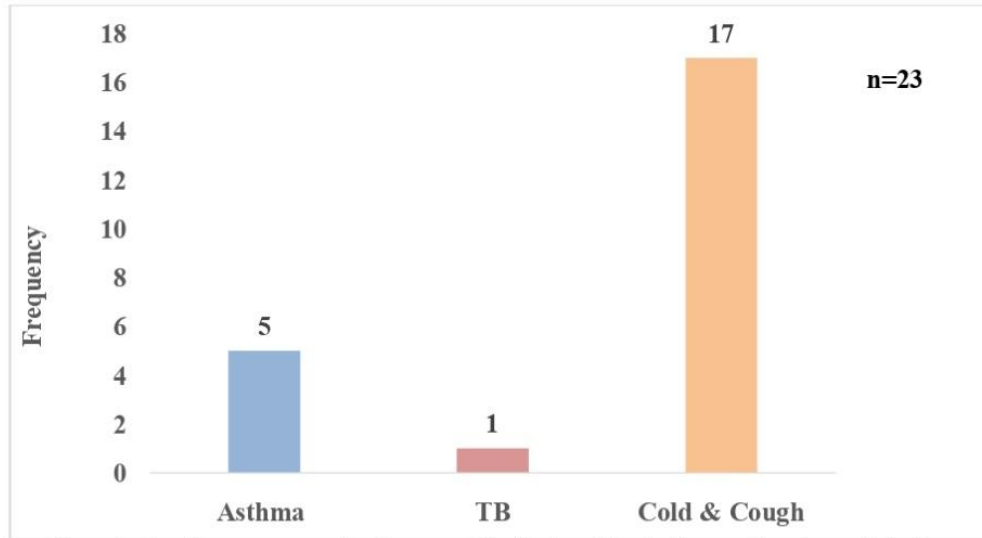


Fig no 6:- Bar diagram representing frequency distribution of family history of respiratory infection. Fig no 6 shows that 23 (4%) families were having history of respiratory infection. Among them, majority 17 (73.19%) of families had history of cold and cough in last six months.

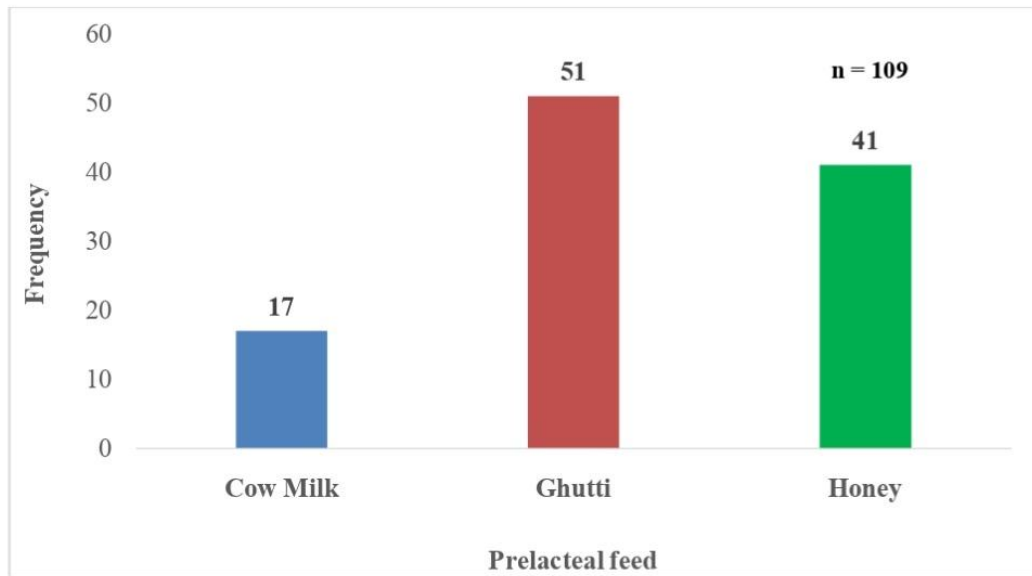


Fig no 7:- Bar diagram representing frequency-based distribution of prelacteal feed. Fig no 7 illustrated that out of 430, 109 children had prelacteal feed within 3 days of birth and majority 51 (50%) of them had Ghutti provided by their family member before initiating first breastfeeding

Odds ratio between risk factors and acute respiratory infection status of child

In order to explore the significant risk factors odds ratio between Presence of ARI and risk factors was computed and is described in below mentioned table 2.

Table no2:- Odds ratio between risk factors and acute respiratory infection status of children N=430.

S.no	Factors	Absence of ARI (n)	Presence of ARI (n)	Unadjusted Odds Ratio (95%CI) (Lower-Upper)	p value
I. Child's Characteristics					
1.	Preterm birth of child				
	Yes	98	13	5.675 (3.054-10.544)	<0.001*
	No	182	150	1 (ref)	
2.	Low Birth weight				
	Yes	98	32	1.986 (1.252-3.150)	0.004*
	No	182	118	1 (ref)	
3.	First birth order of child				
	Yes	94	25	1 (ref)	<0.001*
	No	186	125	2.57 (1.539-4.149)	
4	Completely immunized as per age				
	Yes	270	150	1 (ref)	0.999
	No	10	00	1.556 (1.449-1.670)	
II. Environmental characteristics					
1.	Inadequate ventilation status of house				
	Yes	57	28	0.898 (0.543-1.485)	0.675
	No	223	122	1 (ref)	
2.	Overcrowding in the house				
	Yes	90	62	1.487 (0.987-2.242)	0.048*
	No	190	88	1 (ref)	
3.	Indoor smoking				
	Yes	128	36	0.375 (0.241-0.584)	<0.001*
	No	152	114	1 (ref)	
4.	Smoky Fuel used for cooking				
	Yes	27	05	3.095 (1.66-8.212)	0.023*
	No	253	145	1 (ref)	
5.	Kuchha House				
	Yes	18	14	0.667 (0.322-1.383)	0.277
	No	262	136	1 (ref)	
6.	House Located nearby dusty main road				
	Yes	119	28	0.311 (0.193-0.499)	<0.001*
	No	161	122	1 (ref)	
7.	Open drainage system				
	Yes	221	74	3.487 (2.502-5.914)	<0.001*

	No	59	76	1 (ref)	
8.	Open waste disposal				
	Yes	82	38	1.221 (0.779-1.912)	0.384
	No	198	112	1 (ref)	
9.	Pets inside the house				
	Yes	91	46	0.919 (0.599-1.409)	0.697
	No	189	104	1 (ref)	
III. History of illness in last six months					
1.	History of any illness in child other than ARI				
	Yes	42	15	0.630 (0.337-1.178)	0.148
	No	238	135	1 (ref)	
2.	Family history of respiratory infection				
	Yes	03	20	8.762 (2.456-31.260)	<0.001*
	No	277	130	1 (ref)	
IV. Nutritional history during infancy period					
3.	Prelacteal Feed				
	Yes	77	32	0.700 (0.436-1.123)	0.140
	No	203	118	1 (ref)	
4.	Exclusive Breast-feeding practices				
	Yes	234	121	1 (ref)	0.450
	No	46	29	0.820 (0.491-1.371)	
5.	Use of Bottle feeding				
	Yes	91	43	0.809 (0.541-1.287)	0.342
	No	189	107	1 (ref)	

OR> 1 Increased risk of ARI, OR= 1 No risk, OR< 1 Decreased risk of ARI, * p< 0.05= significant

The data depicted in the Table 2 above shows chi square and odds computed between risk factors and presence of ARI. The bivariate logistic regression analysis found that Children were born preterm have 5.675 times [95% CI (3.054, 10.544), p<0.001*] higher risk for having ARI, child born with low birth weight were 1.98 times [95% CI (1.252, 3.150), p=0.004] at higher risk of getting ARI, child who born after first child predisposes to acquire ARI to child by twice times [95% CI (1.539, 4.149), p<0.001*]. Environmental factors like overcrowding house were noted to have 1.48 times [95% CI (0.987, 2.242), p=0.04] risk to develop ARI in children, Children who were having indoor smoking by their family member were 0.375 times risk for [95% CI (0.241,0.584), p<0.001*] developing ARI. Families who were using smoky fuel for cooking inside house had 3.09 times [95% CI (1.66,8.212), p<0.001*] more risk of developing of ARI in their children.

Children were found to be at more risk of developing ARI by 0.311 times [95% CI (0.193,0.499),p<0.001*] whose houses were located nearby dusty main road. Having an open drain system around house was noted to have 3.487 times higher risk for ARI [95% CI (2.502,5.914), p<0.001*] among children. It was noted to have 8.76 times more [95% CI (2.456-31.260), p<0.001*] risk of ARI in children whose family members having any history of respiratory illness. Hence, all these factors were found to be independently contributing for developing risk of ARI among under five children.

Table no 3:- Description of level of Environmental condition of family.N= 430

S.no	Level of environmental condition	Frequency (n)	Percentage (%)
1	Poor	09	02.9
2	Fair	237	55.1
3	Good	184	42.7

Table no 3 depicted that Majority237 (55.1%) of the family of under five children were having fair and 184 (42.7%) good environmental condition. Very few 09 (2.9%) had poor environmental condition.

Conclusion:-

The overall prevalence of acute respiratory infection was 35% which signifies it is a health concern. The risk factors of acute respiratory infection identified among under five children were preterm birth of child, low birth weight baby, first ordinal position in the house, overcrowding in the house, Indoor smoking, use of unclean fuel, house located nearby road, open drainage system in the house and family history of ARI.

Recommendation:-

1. Exploratory study can be done on risk factors and prevalence of acute respiratory infection in different population of country
2. Comparative study can be done on risk factors and prevalence of acute respiratory infection in urban and rural community

Acknowledgement:-

I would like to acknowledge the administrative authorities of Narelasubdivision, North Delhi and Dr. KamliPrakash, Professor, College of Nursing, SRHU University, Dehradun and Dr. Jayanti Semwal, Professor, Dept. of community Health medicine, SRHU University for guiding me to conduct the study in their deemed area. Most sincere thanks to mothers who gave consent for their child to take participate in this study. We appreciate keen interest of mothers of under five children and cooperation shown during conduction of research study.

References:-

1. K Park. Textbook of preventive and social medicine, 20th ed. Jabalpur: Banaras idasBhanot Publishers; 2005, 255.
2. Sherene G. Edwin. Effect of planned teaching program on knowledge, Attitude and practice of ARI among mothers. The nursing journal of India, 2009;11.
3. Upper respiratory infection. Available from https://en.wikipedia.org/wiki/Upper_respiratory_tract_infection
4. Acute respiratory infection. Available from <http://vikaspedia.in/health/diseases/lungs-related/acute-respiratory-infection-ari>
5. Savitha AK, Gopalakrishnan S, Uma R. Acute respiratory infections among under five children in a rural area of Tamil Nadu. International Journal of Community Medicine and Public Health, 2018 ;5(8):3445-3449.
6. Banda W, MazabaM Mulenga D, Siziya S. Risk factors associated with acute respiratory infections among under-five children in Zambia. Asian pacific journal of health sciences. 2016;3(3): 153-159.
7. Amar M, Taksande, YeoleM. Risk factors of Acute Respiratory Infection (ARI) in under-fives in a rural hospital of Central India. Journal of Paediatric and Neonatal Individualized Medicine. 2016;5(1).
8. Goel K, AhmadK, Agarwal G, Goel P. A Cross Sectional Study on Prevalence of Acute Respiratory Infections in Under-Five Children in Meerut. Journal of community medicine and health education. 2012;2(9).
9. Goel K, Ahmad S, Agarwal G, Goel P, Kumar V. Acute Respiratory Infections among Under Five Age Group Children at Urban Slums of Gulbarga City. Journal of Clinical and Diagnostic Research. 2016;10(5).
10. ChoubeA, KumarB, MahmoodSE, Srivastava A. Potential risk factors contributing to acute respiratory infections in under five age group children. International Journal of Medical Science and Public Health .2014; Vol 3(11).
11. Vinod K, Pattankar J. Acute Respiratory Infections among Under-Five Age Group Children at Urban Slums of Gulbarga City. Journal of clinical and diagnostic research.2016; 10(5).
12. World health statistics 2018. Monitoring health for SDGs. World health organisation. Available from https://www.who.int/gho/publications/world_health_statistics/2018/en/
13. Ministry of health and family welfare. National Family health survey (2015-2016). Available from <http://rchiips.org/nfhs/NFHS-4Reports/India.pdf>

14. Ministry of health and family welfare. State fact sheet. NCT Delhi. Available from http://rchiips.org/nfhs/pdf/NFHS4/DL_FactSheet.pdf
15. Ganesh S, Majumdar A, Kumar V, Naik NB, Selvaraj K, Karthik. Prevalence of acute respiratory infection among under-five children in urban and rural areas of Puducherry. *Journal of natural science*. 2015; 6(1).
16. Goel K, Ahmad S, Agarwal G, Goel P, Kumar V. A Cross Sectional Study on Prevalence of Acute Respiratory Infections (ARI) in Under-Five Children of Meerut District. *Journal of community medical health education*. 2012;2(9).
17. Choube A, Kumar B, Mahmood ES, Srivastava A. potential risk factors contributing to acute respiratory infections in under five age group children. *International Journal of Medical Science and Public Health* .2014 ;3(11).
18. Maharajan PL and Sharma Y. Prevalence and Determinants of Acute Respiratory Infection among Children under Age Five in Gorkha Municipality, Gorkha. *Glob J Pharmaceutical Sci*. 2017;2(3).
19. Mutalik AV, Raj V. Study to assess the knowledge, attitude, and practice about acute respiratory infections among school going children and their parents in rural Maharashtra. *International Journal of Medical Science and Public Health*.2017; 6(11).
20. Prajapati BJ, Talsania NJ, Lala MK, Sonalia KN. Knowledge, Attitude and Practices of Mothers Regarding Acute Respiratory Infection In Urban And Rural Communities Of Ahmedabad District, Gujarat. *NJIRM* 2012; 3(2).
21. Chauhan V, Sorte DY, Sylvia R. Effectiveness of URTI Preventive Education Programme on Recovery of children and Practice of caregivers. *IOSR Journal of Nursing and Health Science*.2013;2(2):31-35.
22. Naveen R, Angela DL, Norbert L, Ricardo O. Maternal knowledge, attitudes, and practices and health outcomes of their preschool-age children in urban and rural Karnataka. *National Journal of Community Medicine*. 2016;7(8).

ANNEXURE XIV

Paper presentation certificate



Paper presentation certificate



CERTIFICATE

OF PRESENTATION



Asia Pacific Conference On Nursing Science and Healthcare

01ST & 02ND December 2021 | Dubai, UAE

Deepika Bajwan

This is to certify that..... of

PhD Scholar, SRHU, Jollygrant, Dehradun

..... presented his/her worthy Oral

Presentation titled *Risk factors of Acute Respiratory infection among under five children in selected rural community, North Delhi.*

in the “Asia Pacific Conference on Nursing Science and Healthcare” Organized by Society For Nursing Practices (SFNP) and BioLEAGUES Worldwide held on 01st & 02nd December 2021.



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Child Demographic and Risk factors of ARI

code no	Gender of child	Age of child (yr)	Weight of child(kg)	WEIGHT of child(kg)	causP	Birth History	Birth weight of the Child	Ordinal position in family	No of windows in house	ventilation status of house	no of person living in one room	over crowding in the house	Indoor smoking by family member	family member who smoke	Type of fuel used for cooking	Type of house	house located near to road	Any facility near by house	Health facility available in the area	Health facility (Hospital)	Health facility (Clinic or Nursing Home)	Health facility (PHC)	Sources of drinking water	Pets in the House	Method of waste disposal	Type of water drainage inside the house	History of any illness in the child	Specify illness history	Family history of respiratory infection	Immunization status	Nutrition (breast/ feed)	received breast milk	period foreclusive breastfeeding	Use of bottle feeding	Inhibition of weaning diet			
Exp 1	0	1	1.6	2	8.5	2	1	2	2	1	3	1	2	0	1	3	2	1	0	1	1	1	0	3	5	2	1	0	0	0	1	1	1	1	1	1		
Exp 2	1	2	4.3	3	12	3	1	2	2	2	2	1	2	0	1	2	3	2	1	0	1	1	1	0	3	0	2	1	1	1	0	1	1	2	0	1		
Exp 3	0	1	2	2	8	2	2	2	1	1	2	0	1	2	2	2	1	1	1	1	1	1	0	3	0	2	3	1	1	0	1	1	2	1	1	1		
Exp 4	0	1	4	3	14	3	1	2	2	1	2	2	0	1	2	3	2	1	0	1	1	0	3	0	2	1	0	0	0	1	0	1	1	1	1	1		
Exp 5	1	2	3.5	1	10.5	2	1	2	2	3	3	1	2	0	1	2	2	2	1	0	1	0	1	0	2	0	1	1	0	0	1	1	2	1	1	1		
Exp 6	1	2	13.0	8	8	2	1	2	2	2	2	0	0	0	1	2	2	0	0	1	1	0	1	0	2	0	1	1	2	1	1	1	1	1	1	1		
Exp 7	0	1	1.6	2	3.5	1	1	1	1	2	2	1	2	0	0	0	1	2	0	1	0	1	0	2	2	2	2	0	0	0	1	1	1	1	2	0	1	
Exp 8	0	1	4.3	3	10	2	1	1	1	1	2	1	3	1	0	0	1	2	0	0	1	0	1	0	2	0	2	1	0	0	1	1	1	3	0	1		
Exp 9	1	2	1.6	3	12	3	1	2	2	2	2	0	0	0	1	2	2	0	0	1	0	0	0	2	2	2	1	0	0	1	0	1	0	1	2	0	1	
Exp 10	0	1	4	3	13	3	1	2	2	2	2	1	2	0	0	0	1	2	0	0	1	0	0	2	0	2	1	0	0	0	1	0	1	1	2	0	1	
Exp 11	1	2	3	1	12	3	1	2	1	2	2	1	3	1	0	0	3	2	0	0	1	0	0	0	2	0	2	1	0	0	0	1	1	1	3	0	1	
Exp 12	0	1	2	2	9	2	1	1	1	1	3	1	3	0	1	1	3	2	1	0	1	1	0	1	0	1	2	2	1	0	0	1	1	1	1	1	1	
Exp 13	0	1	2.3	2	9	2	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	2	0	2	1	0	0	0	1	0	1	2	0	1	
Exp 14	0	1	2.2	2	8.5	2	1	2	3	2	2	1	3	1	0	0	3	2	0	0	1	0	1	0	2	4	1	1	0	0	0	1	0	1	1	0	1	
Exp 15	0	1	1	1	7	2	1	2	2	3	1	2	4	1	0	0	3	2	0	0	1	0	1	0	0	0	2	0	0	0	1	0	1	0	1	2	0	1
Exp 16	1	2	3	3	9	9	2	1	2	2	1	2	3	1	0	0	3	2	0	0	1	0	1	0	1	0	1	0	0	0	1	0	0	0	1	2	0	1
Exp 17	0	1	2.6	3	7.5	2	1	2	3	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	0	3	0	2	1	0	0	0	1	0	1	2	0	1
Exp 18	0	1	4	3	12.5	3	1	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	2	2	2	0	0	1	1	1	1	2	0	1	
Exp 19	0	1	3	3	11.5	3	1	2	3	2	1	2	2	0	0	0	3	2	0	0	1	0	1	0	3	2	2	1	0	0	1	1	1	1	2	0	1	
Exp 20	1	2	2.5	2	9	2	1	2	2	2	4	1	2	0	0	1	2	3	0	0	1	0	1	0	2	0	2	1	0	0	1	0	1	2	0	1	1	
Exp 21	1	2	4	3	13	3	1	2	2	2	4	1	3	1	1	2	2	1	1	0	1	0	1	0	1	0	3	2	1	4	0	1	1	2	0	1	1	
Exp 22	0	1	5	3	12	3	1	2	1	1	2	1	1	1	0	0	2	2	0	0	1	0	1	0	1	0	2	1	2	2	0	1	1	2	0	1	1	
Exp 23	1	2	4	3	12	3	1	2	1	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	1	2	0	0	1	1	1	2	1	1	1	
Exp 24	1	2	3	3	8.5	2	1	2	3	1	1	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	1	1	0	0	1	0	1	0	1	2	0	1
Exp 25	1	2	3	3	10.5	2	1	2	1	1	1	1	2	0	0	0	1	2	0	0	1	0	1	0	0	1	1	0	0	0	1	1	1	2	0	1	1	
Exp 26	1	2	3	3	10	2	1	2	1	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	2	0	1	2	0	0	1	1	1	2	0	1	1	
Exp 27	0	1	2	2	12	3	1	2	2	2	1	2	1	0	0	0	3	1	1	0	1	0	1	0	1	0	1	1	0	0	1	1	1	2	0	1	1	
Exp 28	0	1	2.5	2	9	2	1	2	2	2	1	2	2	0	0	0	1	2	0	0	1	0	1	0	2	0	1	1	0	0	0	1	1	2	1	1	1	
Exp 29	1	2	2	2	8	2	1	2	2	1	2	1	3	1	0	0	3	2	1	0	1	0	1	0	2	2	2	1	0	0	1	1	1	3	0	1	1	
Exp 30	0	1	1.6	4	8.5	2	1	2	2	1	2	1	2	0	0	0	1	2	0	0	1	1	0	1	1	0	1	1	0	0	1	1	1	4	1	1	1	
Exp 31	1	2	4.3	3	12	3	1	2	2	2	2	1	2	0	1	2	3	2	1	0	1	1	0	0	3	0	2	1	1	1	0	1	1	2	0	1	1	
Exp 32	0	1	2	2	8	2	1	2	2	2	2	1	2	0	1	2	3	2	1	0	1	1	0	0	3	0	2	1	1	2	0	1	0	1	1	1	1	1
Exp 33	0	1	4	3	14	3	1	2	1	1	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	1	1	0	0	1	1	1	2	0	1	1	
Exp 34	1	2	3.5	3	10.5	2	1	2	2	3	3	1	2	0	1	2	2	2	1	0	1	0	1	0	2	0	2	1	0	0	1	1	1	2	1	1	1	1
Exp 35	1	2	3.8	3	8	2	1	2	2	2	2	1	2	0	0	0	3	2	1	0	1	0	1	0	2	0	1	2	0	0	1	1	1	1	1	1	1	
Exp 36	0	1	1.6	2	3.5	1	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	2	2	2	2	2	0	0	1	1	2	0	1	1	
Exp 37	0	1	4.3	3	10	2	1	1	1	1	2	1	3	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	0	0	1	1	1	3	0	1	1	
Exp 38	1	2	3.6	3	12	3	1	2	2	2	2	1	4	1	0	0	3	2	0	0	1	0	1	0	2	2	2	1	0	0	1	1	1	2	0	1	1	
Exp 39	0	1	4	3	13	3	1	2	2	2	3	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	0	1	1	1	1	2	0	1	1	
Exp 40	1	2	3	3	12	3	1	2	1	2	2	1	3	1	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	1	1	1	3	0	1
Exp 41	0	1	2	2	9	2	1	1	1	1	2	1	2	0	1	3	2	1	0	1	1	0	1	0	1	0	2	2	1	0	0	1	1	1	1	1	1	1
Exp 42	0	1	2.3	2	9	2	1	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	1	1	1	2	0	1	1
Exp 43	0	1	2.2	2	8.5	2	1	2	3	2	2	1	4	1	0	0	3	2	0	0	1	0	1	0	2	4	1	1	0	0	1	1	1	1	1	1	1	1
Exp 44	0	1	1	1	7	2	1	2	2	2	1	2	4	1	0	0	3	2	0	0	1	0	1	0	1	0	0	2	0	0	1	0	1	0	1	2	0	1
Exp 45	1	2	3	3	9	2	1	2	2	2	1	2	1	1	0	0	3	2	0	0	1	0	1	0	1	0	1	0	0	0	1	1	1	2	0	1	1	
Exp 46	0	1	2.6	3	7.5	2	1	2	3	1	2	1	2	0	0	0	1	2	0	0	1	0	1	0	1	0	3	0	2	1	0	0	1	1	2	0	1	1
Exp 47	0	1	4	3	12.5	3	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	1	1	0	0	1	1	1	1	2	0	1	1
Exp 48	0	1	1	1	11.5	3	1	2	2	3	1	2	2	0	0	0	1	2	0	0	1	0	1	0	1	0	3	0	2	1	1	1	1	1	2	0	1	1
Exp 49	1	2	2.5	2	9	2	1	2	2	2	4	1	2	0	1	2	3	2	0	0	1	0	1	0	1	0	2	0	0	0	1	1	1	2	0	1	1	
Exp 50	1	2	4	3	13	3	1	2	2	2	3	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	1	0	0	1							

Exp 121	1	2	3.5	3	10.5	2	1	2	2	3	3	1	2	0	1	2	2	2	2	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	0	1	2	2	1	1	
Exp 122	0	1	1.6	2	3.5	1	1	2	1	2	2	2	1	2	0	0	0	3	2	0	1	0	1	0	1	0	2	2	2	2	0	0	0	1	1	1	2	0	1		
Exp 124	0	1	4.3	3	10	2	1	1	1	2	1	3	0	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	1	3	0	1		
Exp 125	1	2	2.6	3	12	3	1	2	2	3	2	1	4	1	0	0	3	2	0	0	1	0	1	0	1	0	2	2	2	1	0	0	0	1	0	1	2	0	1		
Exp 126	0	1	4	3	13	3	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 127	1	2	3	3	12	3	1	2	1	2	2	1	3	1	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	1	1	3	0	1		
Exp 128	0	1	2	2	9	2	1	1	1	3	1	1	2	0	1	1	3	2	1	0	1	1	0	1	1	0	1	2	2	1	0	0	1	1	0	1	1	1	1		
Exp 129	0	1	2.3	2	9	2	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	0	2	0	2	1	0	0	0	1	0	1	2	0	1			
Exp 130	0	1	2.2	2	8.5	2	1	2	3	2	2	1	3	1	0	0	3	2	0	0	1	0	1	0	1	0	2	4	1	1	0	0	0	1	0	1	1	0	1		
Exp 131	0	1	1	1	7	2	1	2	2	3	1	2	4	1	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	2	0	0	0	1	0	1	2	0	1		
Exp 132	1	2	3	3	8	2	1	2	2	2	1	2	3	1	0	0	3	2	0	0	1	0	1	0	1	0	1	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 133	0	1	2.6	3	7.5	2	1	2	3	1	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	3	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 134	0	1	4	3	12.5	3	1	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	3	2	2	2	0	0	0	1	1	1	2	0	1		
Exp 135	0	1	3	3	11.5	3	1	2	3	2	1	2	2	0	0	0	3	2	0	0	1	0	1	0	1	0	3	0	2	1	1	3	0	1	0	1	2	0	1		
Exp 136	1	2	2.5	2	9	2	1	2	2	2	4	1	2	0	1	2	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 137	1	2	4	3	13	3	1	2	2	2	4	1	3	1	0	2	2	1	1	0	1	0	1	0	1	0	1	0	3	2	1	4	0	1	0	1	2	1	1		
Exp 138	0	1	2	3	12	3	1	2	1	2	2	1	3	1	0	0	2	2	1	0	1	0	1	0	1	0	2	0	1	2	0	0	0	1	0	1	3	0	1		
Exp 139	0	1	4	3	12	3	1	2	1	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	1	2	0	0	0	1	0	1	2	0	1		
Exp 140	1	2	4	3	8.5	2	1	2	3	1	1	2	3	1	0	0	3	2	0	0	1	0	1	0	1	0	0	1	1	2	0	0	0	1	0	1	3	0	1		
Exp 141	1	2	4	3	7	2	1	1	1	1	1	2	2	0	0	0	3	2	0	0	1	1	0	1	0	0	2	4	1	1	0	0	0	1	0	1	2	0	1		
Exp 142	1	2	3	3	10	2	1	2	1	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	1	2	0	0	0	1	0	1	2	0	1		
Exp 143	0	1	4	3	12	3	1	2	2	2	1	2	3	1	0	0	3	1	1	0	1	0	1	0	1	0	2	2	1	2	0	0	0	1	1	1	2	0	1		
Exp 144	0	1	2.5	2	9	2	1	2	2	2	1	2	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	1	1	0	0	0	1	0	1	2	1	1		
Exp 145	1	2	3	3	8	2	1	2	2	1	2	1	3	1	0	0	3	2	1	0	1	1	0	1	0	0	2	2	2	1	0	0	1	1	3	0	1	2	0	1	
Exp 146	0	1	1.6	4	8.5	2	1	2	2	1	3	1	2	0	1	1	1	2	1	0	1	1	0	1	0	0	3	5	2	1	0	0	0	1	1	1	3	1	1		
Exp 147	1	2	4.3	3	12	3	1	2	2	2	2	1	2	0	1	2	3	2	1	0	1	1	0	1	0	0	3	0	2	1	1	1	1	0	1	2	0	1			
Exp 148	0	1	2	2	8	2	1	2	1	2	2	1	2	0	1	2	3	2	1	0	1	1	0	0	0	3	0	2	1	1	2	0	0	1	0	1	2	0	1		
Exp 149	0	1	4	3	14	3	1	2	2	2	1	2	2	0	1	2	3	2	1	0	1	1	0	1	0	3	0	2	1	0	0	0	1	0	1	1	1	1	1		
Exp 150	1	2	3.5	3	10.5	2	1	2	2	3	3	1	2	0	1	2	2	2	1	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	1	2	1	1		
Exp 151	1	2	3.9	3	8	2	1	2	2	2	2	1	2	0	0	0	3	2	1	0	1	0	1	0	1	0	2	0	1	1	2	0	0	1	1	1	1	1	1		
Exp 152	0	1	1.6	2	3.5	1	1	1	1	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	2	2	2	0	0	0	1	1	1	2	0	1		
Exp 153	0	1	4.3	3	10	2	1	1	1	1	2	1	3	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	1	3	0	1		
Exp 154	1	2	3.6	3	12	3	1	2	2	2	2	1	4	1	0	0	3	2	0	0	1	0	1	0	1	0	2	2	2	2	0	0	0	1	0	1	2	0	1		
Exp 155	0	1	4	3	13	3	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 156	1	2	3	3	12	3	1	2	1	2	2	1	3	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	1	0	0	0	1	1	1	1	0	1		
Exp 157	1	2	3	3	9	2	1	1	1	1	3	1	2	0	1	1	3	2	1	0	1	1	0	1	0	1	0	2	2	1	1	0	0	1	1	2	0	1	1	0	1
Exp 158	0	1	2.3	2	9	2	1	2	2	2	2	1	2	0	0	0	3	2	0	0	1	1	0	1	0	0	2	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 159	0	1	2.2	2	8.5	2	1	2	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	1	0	0	2	4	1	1	0	0	0	1	0	1	2	0	1		
Exp 160	0	1	4	3	10.5	2	1	2	2	2	2	1	4	1	0	0	3	2	0	0	1	0	1	0	1	0	2	0	2	2	0	0	0	1	0	1	2	0	1		
Exp 161	1	2	3	3	9	2	1	2	2	2	1	2	3	1	0	0	3	2	0	0	1	0	1	0	1	0	1	0	2	1	0	0	0	1	0	1	2	0	1		
Exp 162	0	1	2.6	3	7.5	2	1	2	2	1	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	3	0	2	1	0	0	0	1	1	1	2	0	1		
Exp 163	0	1	4	3	12.5	3	1	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	3	2	2	2	0	0	0	1	1	1	2	0	1		
Exp 164	0	1	3	3	11.5	3	1	2	3	2	1	2	2	0	0	0	3	2	0	0	1	0	1	0	1	0	3	0	2	1	2	3	0	1	0	1	2	0	1		
Exp 165	1	2	2.5	2	9	2	1	2	2	2	4	1	2	0	1	2	3	2	1	0	1	0	1	0	1	0	2	0	2	1	0	0	1	0	1	2	0	1			
Exp 166	1	2	4	3	13	3	1	2	2	2	4	1	3	1	0	1	2	2	1	1	0	1	0	1	0	1	0	3	2	1	4	0	1	0	1	2	1	1	1		
Exp 167	0	1	5	3	12	3	1	2	1	2	2	1	3	1	0	0	2	2	1	0	1	0	1	0	1	0	2	0	1	2	0	0	0	1	0	1	3	0	1		
Exp 168	0	1	4	3	12	3	1	2	1	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	1	0	2	0	1	1	2	0	0	0	1	0	1	2	1	1	
Exp 169	1	2	3	3	8.5	2	1	2	3	2	1	2	3	1	0	0	3	2	0	0	1	1	0	1	0	0	1	0	1	0	1	2	0	0	1	0	1	3	0	1	
Exp 170	1	2	4	3	7	2	1	1	1	1	1	2	2	0	0	0	3	2	0	0	1	1	0	1	0	0	2	4	1	1	0	0	0	1	0	1	2	0	1		
Exp 171	1	2	3																																						

Child Demographic and Risk factors of ARI

code no	Gender of child	Gender of child	Age of child	Age of child	Weight of child(kg)	WEIGHT of child(kg)	CAPOX	Birth History	Birth weight of the Child	Ordinal position in the family	No of windows in house	ventilation status of house	no of person living in one room	over crowding in the house	indoor smoking by family member	family member who smoke	Type of fuel used for cooking	Type of house	house located near to road	Any factory near by house	Health facility available in the area	Health facility (Hospital)	Health facility (Clinic or Nursing Home)	Health facility (PHC)	Sources of drinking water	Pets in the House	Method of waste disposal	Type of water drainage inside the house	History of any illness in the child	Specify illness history	Family history of respiratory infection	2. Nutrition (prelacteal feed)	Received breast milk	period breast feeding	Use of bottle feeding	initiation of weaning diet
control 1	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	1	3	0	1
control 2	Female	2	3.6	4	13	3	2	2	1	3	1	2	0	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	0	1	3	1	1
control 3	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1
control 4	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	1	1
control 5	male	1	2	2	10	2	2	2	2	1	2	1	2	0	1	3	3	2	1	0	1	0	0	1	2	0	1	1	0	0	0	0	1	3	1	1
control 6	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	0	0	1	2	0	1	1	1	4	0	0	1	1	1	1
control 7	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	1	0	0	0	0	1	2	0	1
control 8	Female	2	1	1	7	2	2	1	2	1	2	3	1	0	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1
control 9	Female	2	2	2	8	2	2	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1
control 10	Female	2	2	2	3	1	2	2	2	3	2	1	2	0	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	3	0	1
control 11	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	1	0	1	
control 12	male	1	1.3	2	5.5	1	2	2	1	2	1	2	0	0	0	0	3	2	0	0	1	0	0	1	3	0	2	2	0	0	0	0	1	3	0	1
control 13	male	1	4.5	3	14	3	2	1	1	2	2	1	3	0	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	0	1	3	0	1
control 14	male	1	1	1	8	2	2	1	2	1	3	1	3	1	0	0	3	2	0	0	1	0	1	1	2	0	1	1	0	0	0	1	1	2	0	1
control 15	Female	2	1	1	8	2	2	1	1	3	4	1	2	0	1	2	3	2	0	0	1	1	1	0	3	0	2	1	0	0	0	1	1	1	1	1
control 16	male	1	3	3	13	3	2	2	2	3	6	1	2	0	0	0	3	2	0	0	1	1	1	0	2	2	1	1	0	0	0	1	1	1	1	1
control 17	male	1	3.6	3	12.5	3	2	2	2	2	6	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 18	male	1	4	3	18	4	2	1	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	3	1	2	1	0	0	0	1	2	0	1	
control 19	male	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	2	2	1	1	4	0	0	1	2	0	1
control 20	Female	2	5	3	15	3	2	2	2	4	1	2	1	0	0	0	3	2	1	0	1	0	1	0	3	1	3	2	0	0	1	1	3	0	1	
control 21	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	1	5	1	1	1	2	1	1
control 22	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	1	1	2	0	1	
control 23	male	1	3	3	12	3	2	2	2	3	1	3	1	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1
control 24	male	1	3	3	13	3	2	2	1	2	1	2	0	1	2	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	0	1	
control 25	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	3	0	1	
control 26	Female	2	3.6	4	13	3	2	2	1	3	1	2	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	0	1	3	1	1	
control 27	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1
control 28	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	3	2	0	0	1	0	1	1	2	0	2	1	0	0	0	0	1	3	1	1
control 29	male	1	2	2	10	2	2	2	1	2	1	2	0	1	3	3	2	1	0	1	0	0	1	2	0	1	1	0	0	0	0	1	3	1	1	
control 30	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	0	0	1	2	0	1	1	1	4	0	0	1	1	1	1
control 31	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	0	0	3	0	2	1	0	0	0	0	1	2	0	1
control 32	Female	2	1	1	7	2	2	1	2	1	2	3	1	0	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1
control 33	Female	2	2	2	8	2	2	3	2	2	1	2	0	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1
control 34	Female	2	2	2	3	1	2	2	2	3	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	3	0	1	
control 35	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	1	0	1	
control 36	male	1	1.3	2	5.5	1	2	2	1	2	1	2	0	0	0	0	3	2	0	0	1	0	0	1	3	0	2	2	0	0	0	0	1	3	0	1
control 37	male	1	1	1	8	2	2	1	1	2	2	1	3	0	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	1	3	0	1	
control 38	male	1	1	1	8	2	2	1	2	1	3	1	3	1	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	1	1	2	0	1
control 39	Female	2	1	1	8	2	2	1	1	3	4	1	2	0	1	2	3	2	0	0	1	1	1	0	3	0	2	1	0	0	0	1	1	1	1	1
control 40	male	1	3	3	13	3	2	2	2	3	6	1	2	0	0	0	3	2	0	0	1	1	1	0	2	2	1	1	0	0	0	1	1	1	1	1
control 41	male	1	3.6	3	12.5	3	2	2	2	2	6	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 42	male	1	4	3	18	4	2	1	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	3	1	2	1	0	0	0	1	2	0	1	
control 43	male	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	2	2	1	1	4	0	0	1	2	0	1
control 44	Female	2	5	3	15	3	2	2	2	2	4	1	2	1	0	0	3	2	1	0	1	0	1	0	3	1	3	2	0	0	1	1	3	0	1	
control 45	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	1	5	1	1	1	2	1	1
control 46	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 47	male	1	3	3	12	3	2	2	2	2	3	1	3	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1
control 48	male	1	3	3	13	3	2	2	2	1	2	1	2	0	1	2	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	0	1
control 49	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	3	0	1	
control 50	Female	2	3.6	4	13	3	2	2	1	3	1	2	0	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	0	1	3	1	1
control 51	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1
control 52	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	3	2	0	0	1	0	1	0	2	0	2	1	0							

control 78	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	0	0	1	2	0	1	1	1	4	0	0	1	1	1	1	
control 79	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	1	0	0	0	0	1	2	0	1	
control 80	Female	2	1	1	7	2	2	1	1	2	1	2	3	1	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1	
control 81	Female	2	2	2	8	2	2	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1	
control 82	Female	2	2	2	3	1	2	2	2	3	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1	
control 83	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	1	1	0	1	
control 84	male	1	1.3	2	5.5	1	2	2	1	2	1	2	0	0	0	0	3	2	0	0	1	0	0	1	3	0	2	2	0	0	0	0	1	3	0	1	
control 85	male	1	4.5	3	14	3	2	1	1	2	2	1	3	0	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	0	1	3	0	1	
control 86	male	1	1	1	8	2	2	1	2	1	3	1	3	1	0	0	3	2	0	0	1	0	1	1	3	0	1	1	0	0	0	1	1	2	0	1	
control 87	Female	2	1	1	8	2	2	1	1	3	4	1	2	0	1	2	3	2	0	0	1	1	1	0	3	0	2	1	0	0	0	1	1	1	1	1	
control 88	male	1	3	3	13	3	2	2	2	3	6	1	2	0	0	0	3	2	0	0	1	1	1	0	2	2	1	1	0	0	0	1	1	1	1	1	
control 89	male	1	3.6	3	12.5	3	2	2	2	2	6	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1	
control 90	male	1	4	3	18	4	2	1	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	3	1	2	1	0	0	0	1	2	0	1		
control 91	Female	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	0	1	2	2	1	4	0	0	1	2	0	1
control 92	Female	2	5	3	15	3	2	2	2	2	4	1	2	1	0	0	3	2	1	0	1	0	1	0	3	1	3	2	0	0	1	1	3	0	1		
control 93	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	5	1	1	1	2	1	1		
control 94	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	1	1	2	0	1		
control 95	male	1	3	3	12	3	2	2	2	2	3	1	3	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1	
control 96	male	1	3	3	13	3	2	2	2	2	1	2	0	1	2	3	2	0	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	3	0	1	
control 97	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	1	3	0	1	
control 98	Female	2	3.6	4	13	3	2	2	2	1	3	1	2	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	1	3	1	1		
control 99	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1	
control 100	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	1	1		
control 101	male	1	2	2	10	2	2	2	2	1	2	1	2	0	1	3	3	2	1	0	1	0	0	1	2	0	1	1	0	0	0	1	3	1	1		
control 102	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	0	0	1	2	0	1	1	1	4	0	0	1	1	1	1	
control 103	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	1	0	0	0	0	1	2	0	1	
control 104	Female	2	1	1	7	2	2	1	2	1	2	3	1	0	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1	
control 105	Female	2	2	2	8	2	2	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1	
control 106	Female	2	2	2	3	1	2	2	2	3	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1	
control 107	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	1	0	1		
control 108	male	1	1.3	2	5.5	1	2	2	1	2	1	2	0	0	0	0	3	2	0	0	1	0	0	1	3	0	2	2	0	0	0	0	1	3	0	1	
control 109	male	1	4.5	3	14	3	2	1	1	2	2	1	3	0	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	0	1	3	0	1	
control 110	male	1	1	1	8	2	2	1	2	1	3	1	3	1	0	0	3	2	0	0	1	0	1	1	2	0	1	1	0	0	0	1	1	2	0	1	
control 111	Female	2	1	1	8	2	2	1	1	3	4	1	2	0	1	2	3	2	0	0	1	1	1	0	3	0	2	1	0	0	0	1	1	1	1	1	
control 112	male	1	3	3	13	3	2	2	2	3	6	1	2	0	0	0	3	2	0	0	1	1	1	0	2	2	1	1	0	0	0	1	1	1	1	1	
control 113	male	1	3.6	3	12.5	3	2	2	2	2	6	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1	
control 114	male	1	4	3	18	4	2	1	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	3	1	2	1	0	0	0	1	2	0	1		
control 115	Female	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	2	2	1	4	0	0	1	2	0	1		
control 116	Female	2	5	3	15	3	2	2	2	2	4	1	2	1	0	0	3	2	1	0	1	0	1	0	3	1	3	2	0	0	1	1	3	1	1		
control 117	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	5	1	1	1	2	1	1		
control 118	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1	
control 119	male	1	3	3	12	3	2	2	2	2	3	1	3	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1	
control 120	male	1	3	3	13	3	2	2	2	1	2	1	2	0	1	2	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	0	1	
control 121	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	1	3	0	1	
control 122	Female	2	3.6	4	13	3	2	2	2	1	3	1	2	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	0	1	3	1	1	
control 123	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1	
control 124	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	3	2	0	0	1	1	1	0	2	0	2	1	0	0	0	0	1	3	1	1	
control 125	male	1	2	2	10	2	2	2	2	1	2	1	2	0	1	3	3	2	1	0	1	1	0	1	2	0	1	1	0	0	0	0	1	3	1	1	
control 126	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	1	0	1	2	0	1	1	1	4	0	0	1	1	1	1	
control 127	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	1	0	1	3	0	2	1	0	0	0	0	1	2	0	1	
control 128	Female	2	1	1	7	2	2	2	1	2	1	2	3	1	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1	
control 129	Female	2	2	2	8	2	2	2	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1
control 130	Female	2	2	2	3	1	2	2	2	3	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1	
control 131	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3																				

control 163	male	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	2	2	1	1	4	0	0	1	2	0	1
control 164	Female	2	5	3	15	3	2	2	2	2	4	1	2	1	0	0	3	2	1	0	1	0	1	0	3	1	3	2	0	0	1	1	3	0	1	
control 165	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	1	5	1	1	1	2	1	1
control 166	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 167	male	1	3	3	12	3	2	2	2	2	3	1	3	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1
control 168	male	1	3	3	13	3	2	2	2	1	2	1	2	0	1	2	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	0	1
control 169	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	1	3	0	1
control 170	Female	2	3.6	4	13	3	2	2	2	1	3	1	2	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	0	1	3	1	1
control 171	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1
control 172	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	1	1
control 173	male	1	2	2	10	2	2	2	2	1	2	1	2	0	1	3	3	2	1	0	1	0	0	1	2	0	1	1	0	0	0	1	3	1	1	
control 174	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	0	0	1	2	0	1	1	1	4	0	0	1	1	1	1
control 175	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	1	0	0	0	0	1	2	0	1
control 176	Female	2	1	1	7	2	2	1	2	1	2	1	2	3	1	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	1	3	0	1
control 177	Female	2	2	2	8	2	2	3	2	2	1	2	0	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1
control 178	Female	2	2	2	3	1	2	2	3	2	1	2	0	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1
control 179	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	1	0	1	
control 180	male	1	1.3	2	5.5	1	2	2	2	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	2	0	0	0	1	1	0	1	
control 181	male	1	4.5	3	14	3	2	1	1	2	2	1	3	0	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	0	1	3	0	1
control 182	male	1	1	1	8	2	2	1	2	1	3	1	3	1	0	0	3	2	0	0	1	0	1	1	2	0	1	1	0	0	0	1	1	2	0	1
control 183	Female	2	1	1	8	2	2	1	1	3	4	1	2	0	1	2	3	2	0	0	1	1	1	0	3	0	2	1	0	0	0	1	1	1	1	1
control 184	male	1	3	3	13	3	2	2	2	3	6	1	2	0	0	0	3	2	0	0	1	1	1	0	2	2	1	1	0	0	0	0	1	1	1	1
control 185	male	1	3.6	3	12.5	3	2	2	2	2	6	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 186	male	1	4	3	18	4	2	1	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	3	1	2	1	0	0	0	1	2	0	1	
control 187	Female	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	2	2	1	1	4	0	0	1	2	0	1
control 188	Female	2	5	3	15	3	2	2	2	2	4	1	2	1	0	0	3	2	1	0	1	0	1	0	3	1	3	2	1	0	0	1	1	3	0	1
control 189	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	1	5	1	1	1	2	1	1
control 190	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 191	male	1	3	3	12	3	2	2	2	2	3	1	3	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1
control 192	male	1	3	3	13	3	2	2	2	1	2	1	2	0	1	2	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	0	1
control 193	male	1	2	2	10	2	2	2	3	1	3	1	2	0	1	2	3	2	0	0	1	1	0	0	3	0	2	2	0	0	0	1	1	3	0	1
control 194	Female	2	3.6	4	13	3	2	2	2	1	3	1	2	0	0	0	3	2	0	0	1	1	0	0	2	3	1	1	0	0	0	0	1	3	1	1
control 195	Female	2	2	2	8	2	2	1	1	3	1	2	3	1	1	2	1	2	0	0	1	1	0	0	2	0	2	1	0	0	0	0	1	3	0	1
control 196	Female	2	2	2	12	3	2	1	1	1	3	1	2	0	1	3	3	2	0	0	1	0	1	0	2	0	2	1	0	0	0	0	1	3	1	1
control 197	male	1	2	2	10	2	2	2	1	2	1	2	0	1	3	3	2	1	0	1	0	0	0	1	2	0	1	1	0	0	0	0	1	3	1	1
control 198	male	1	4	3	18	4	2	2	2	2	6	1	3	0	0	0	3	2	1	0	1	0	0	1	2	0	1	1	1	4	0	0	1	1	1	1
control 199	Female	2	5	3	20	4	2	1	1	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	1	0	0	0	0	1	2	0	1
control 200	Female	2	1	1	7	2	2	2	1	2	1	2	3	1	0	0	3	2	1	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1
control 201	Female	2	2	2	8	2	2	2	3	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	2	0	1
control 202	Female	2	2	2	3	1	2	2	2	3	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	0	1	3	0	1
control 203	male	1	3	3	12	3	2	2	2	2	2	1	2	0	0	0	3	2	0	0	1	0	1	0	3	0	2	2	0	0	0	1	1	1	0	1
control 204	male	1	1.3	2	5.5	1	2	2	2	1	2	1	2	0	0	0	3	2	0	0	1	0	0	1	3	0	2	2	0	0	0	0	1	3	0	1
control 205	male	1	4.5	3	14	3	2	1	1	2	2	1	3	0	0	0	3	2	1	0	1	0	1	1	3	0	1	1	0	0	0	0	1	3	0	1
control 206	male	1	1	1	8	2	2	1	2	1	3	1	3	1	0	0	3	2	0	0	1	0	1	1	2	0	1	1	0	0	0	1	1	2	0	1
control 207	Female	2	1	1	8	2	2	1	1	3	4	1	2	0	1	2	3	2	0	0	1	1	1	0	3	0	2	1	0	0	0	1	1	1	1	1
control 208	male	1	3	3	13	3	2	2	2	3	6	1	2	0	0	0	3	2	0	0	1	1	1	0	2	2	1	1	0	0	0	0	1	1	1	1
control 209	male	1	3.6	3	12.5	3	2	2	2	2	6	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 210	male	1	4	3	18	4	2	1	1	2	2	1	2	0	0	0	3	2	0	0	1	1	0	0	3	1	2	1	0	0	0	0	1	2	0	1
control 211	male	1	4.6	3	20	4	2	1	2	2	1	2	3	1	1	2	3	1	1	1	1	0	1	0	1	2	2	1	1	4	0	0	1	2	0	1
control 212	Female	2	5	3	15	3	2	2	2	2	4	1	2	1	0	0	3	2	1	0	1	0	1	0	3	1	3	2	0	0	0	1	1	3	0	1
control 213	Female	2	5	3	16	4	2	1	1	2	3	1	3	1	1	2	3	1	1	0	1	0	1	0	2	2	2	1	1	5	1	1	1	2	1	1
control 214	male	1	4.3	3	14	3	2	2	2	2	4	1	3	1	1	2	3	2	0	0	1	1	0	0	3	2	2	1	0	0	0	1	1	2	0	1
control 215	male	1	3	3	12	3	2	2	2	2	3	1	3	1	1	2	3	2	0	0	1	0	1	0	3	0	2	1	0	0	0	0	1	2	0	1
control 216	male	1	3	3	13	3	2																													

ARI Screening of children

code no	nasal discharge	Duration of symptoms in days	sore throat	Duration of symptoms in days	Cough	Duration of symptoms in days	Fever	Duration of symptoms in days	Chest indrawing	Duration of symptoms in days	(PRETEST) Presence of ARI at time of Data collection	Number of episode of ARI in last six months (PRETEST) before giving intervention	nasal discharge
Pretest													
control 1	No	0	No	0	No	0	No	0	No	0	no	1	No
control 2	No	0	No	0	Yes	3	yes	3	No	0	yes	2	No
control 3	No	0	No	0	No	0	No	0	No	0	no	1	No
control 4	No	0	No	0	No	0	No	0	No	0	no	0	No
control 5	No	0	No	0	No	0	No	0	No	0	no	2	No
control 6	No	0	No	0	No	0	No	0	No	0	no	1	No
control 7	No	0	No	0	No	0	No	0	No	0	no	0	No
control 8	No	0	No	0	No	0	No	0	No	0	no	2	No
control 9	yes	10	No	0	yes	2	No	0	No	0	yes	3	yes
control 10	No	0	No	0	yes	3	No	0	No	0	yes	0	No
control 11	No	0	No	0	yes	2	No	0	No	0	yes	2	No
control 12	yes	3	No	0	yes	2	No	0	No	0	yes	2	No
control 13	No	0	No	0	No	0	No	0	No	0	no	0	No
control 14	No	0	No	0	No	0	No	0	No	0	no	0	No
control 15	No	0	No	0	No	0	No	0	No	0	no	2	No
control 16	No	0	No	0	No	0	No	0	No	0	no	0	No
control 17	No	0	No	0	No	0	No	0	No	0	no	0	Yes
control 18	No	0	No	0	No	0	No	0	No	0	no	1	No
control 19	No	0	No	0	No	0	No	0	No	0	no	1	No
control 20	No	0	No	0	No	0	No	0	No	0	no	1	No
control 21	yes	3	yes	5	yes	5	No	0	No	0	no	1	yes
control 22	No	0	No	0	No	0	No	0	No	0	yes	1	No
control 23	yes	4	yes	2	No	0	No	0	No	0	no	3	yes
control 24	No	0	No	0	No	0	No	0	No	0	yes	1	No
control 25	No	0	No	0	No	0	No	0	No	0	no	1	No
control 26	No	0	No	0	Yes	3	yes	3	No	0	yes	1	No
control 27	No	0	No	0	No	0	No	0	No	0	no	1	No
control 28	No	0	No	0	No	0	No	0	No	0	no	2	Yes
control 29	No	0	No	0	No	0	No	0	No	0	no	0	No
control 30	No	0	No	0	No	0	No	0	No	0	no	0	No
control 31	No	0	No	0	No	0	No	0	No	0	no	1	No
control 32	No	0	No	0	No	0	No	0	No	0	no	1	No
control 33	yes	10	No	0	yes	2	No	0	No	0	yes	0	yes
control 34	No	0	No	0	yes	3	No	0	No	0	yes	2	No
control 35	No	0	No	0	yes	2	No	0	No	0	yes	2	No
control 36	yes	3	No	0	yes	2	No	0	No	0	yes	2	yes
control 37	No	0	No	0	No	0	No	0	No	0	no	1	No
control 38	No	0	No	0	No	0	No	0	No	0	no	3	No
control 39	No	0	No	0	No	0	No	0	No	0	no	0	No
control 40	No	0	No	0	No	0	No	0	No	0	no	0	No
control 41	No	0	No	0	No	0	No	0	No	0	no	2	No
control 42	No	0	No	0	No	0	No	0	No	0	no	0	No
control 43	No	0	No	0	No	0	No	0	No	0	no	2	yes
control 44	No	0	No	0	No	0	No	0	No	0	no	2	No
control 45	yes	3	yes	5	yes	5	No	0	No	0	yes	3	yes
control 46	No	0	No	0	No	0	No	0	No	0	no	2	No
control 47	yes	4	yes	2	No	0	No	0	No	0	yes	2	yes
control 48	No	0	No	0	No	0	No	0	No	0	no	2	No
control 49	No	0	No	0	No	0	No	0	No	0	no	0	No
control 50	No	0	No	0	Yes	3	yes	3	No	0	yes	1	No
control 51	No	0	No	0	No	0	No	0	No	0	no	1	No
control 52	No	0	No	0	No	0	No	0	No	0	no	2	No
control 53	No	0	No	0	No	0	No	0	No	0	no	1	No

control 117	yes	3	yes	5	yes	5	No	0	No	0	yes	0	yes
control 118	No	0	No	0	No	0	No	0	No	0	no	0	No
control 119	yes	4	yes	2	No	0	No	0	No	0	yes	1	yes
control 120	No	0	No	0	No	0	No	0	No	0	no	1	No
control 121	No	0	No	0	No	0	No	0	No	0	no	0	No
control 122	No	0	No	0	Yes	3	yes	3	No	0	yes	0	No
control 123	No	0	No	0	No	0	No	0	No	0	no	1	No
control 124	No	0	No	0	No	0	No	0	No	0	no	0	No
control 125	No	0	No	0	No	0	No	0	No	0	no	1	No
control 126	No	0	No	0	No	0	No	0	No	0	no	0	No
control 127	No	0	No	0	No	0	No	0	No	0	no	1	No
control 128	No	0	No	0	No	0	No	0	No	0	no	0	No
control 129	yes	10	No	0	yes	2	No	0	No	0	yes	0	yes
control 130	No	0	No	0	yes	3	No	0	No	0	yes	4	No
control 131	No	0	No	0	yes	2	No	0	No	0	yes	4	No
control 132	yes	3	No	0	yes	2	No	0	No	0	yes	3	yes
control 133	No	0	No	0	No	0	No	0	No	0	no	0	No
control 134	No	0	No	0	No	0	No	0	No	0	no	1	No
control 135	No	0	No	0	No	0	No	0	No	0	no	2	No
control 136	No	0	No	0	No	0	No	0	No	0	no	0	No
control 137	No	0	No	0	No	0	No	0	No	0	no	1	No
control 138	No	0	No	0	No	0	No	0	No	0	no	1	No
control 139	No	0	No	0	No	0	No	0	No	0	no	2	No
control 140	No	0	No	0	No	0	No	0	No	0	no	2	No
control 141	yes	3	yes	5	yes	5	No	0	No	0	yes	1	yes
control 142	No	0	No	0	No	0	No	0	No	0	no	1	No
control 143	yes	4	yes	2	No	0	No	0	No	0	yes	0	yes
control 144	No	0	No	0	No	0	No	0	No	0	no	2	No
control 145	No	0	No	0	No	0	No	0	No	0	no	0	No
control 146	No	0	No	0	Yes	3	yes	3	No	0	yes	0	No
control 147	No	0	No	0	No	0	No	0	No	0	no	0	No
control 148	No	0	No	0	No	0	No	0	No	0	no	1	No
control 149	No	0	No	0	No	0	No	0	No	0	no	2	No
control 150	No	0	No	0	No	0	No	0	No	0	no	0	No
control 151	No	0	No	0	No	0	No	0	No	0	no	0	No
control 152	No	0	No	0	No	0	No	0	No	0	no	0	No
control 153	yes	10	No	0	yes	2	No	0	No	0	yes	2	yes
control 154	No	0	No	0	yes	3	No	0	No	0	yes	1	No
control 155	No	0	No	0	yes	2	No	0	No	0	yes	0	No
control 156	yes	3	No	0	yes	2	No	0	No	0	yes	3	yes
control 157	No	0	No	0	No	0	No	0	No	0	no	0	No
control 158	No	0	No	0	No	0	No	0	No	0	no	0	No
control 159	No	0	No	0	No	0	No	0	No	0	no	2	No
control 160	No	0	No	0	No	0	No	0	No	0	no	0	No
control 161	No	0	No	0	No	0	No	0	No	0	no	0	No
control 162	No	0	No	0	No	0	No	0	No	0	no	3	No
control 163	No	0	No	0	No	0	No	0	No	0	no	1	No
control 164	No	0	No	0	No	0	No	0	No	0	no	0	No
control 165	yes	3	yes	5	yes	5	No	0	No	0	yes	0	yes
control 166	No	0	No	0	No	0	No	0	No	0	no	3	No
control 167	yes	4	yes	2	No	0	No	0	No	0	yes	1	yes
control 168	No	0	No	0	No	0	No	0	No	0	no	2	No
control 169	No	0	No	0	No	0	No	0	No	0	no	1	No
control 170	No	0	No	0	Yes	3	yes	3	No	0	yes	3	No
control 171	No	0	No	0	No	0	No	0	No	0	no	1	No
control 172	No	0	No	0	No	0	No	0	No	0	no	0	No
control 173	No	0	No	0	No	0	No	0	No	0	no	0	No
control 174	No	0	No	0	No	0	No	0	No	0	no	2	No
control 175	No	0	No	0	No	0	No	0	No	0	no	0	No
control 176	No	0	No	0	No	0	No	0	No	0	no	0	No
control 177	yes	10	No	0	yes	2	No	0	No	0	yes	1	yes
control 178	No	0	No	0	yes	3	No	0	No	0	yes	2	No
control 179	No	0	No	0	yes	2	No	0	No	0	yes	0	No

Duration of symptoms in days	sore throat	Duration of symptoms in days	Cough	Duration of symptoms in days	Fever	Duration of symptoms in days	Chest indrawing	Duration of symptoms in days	(Post test 1 after 1 month) Presence of ARI at time of Data collection	nasal discharge	Duration of symptoms in days	sore throat	Duration of symptoms in days	Cough
POST TEST 1														
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	Yes	3	yes	3	No	0	yes	No	0	No	0	Yes
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
10	No	0	yes	2	No	0	No	0	yes	No	10	No	0	yes
0	No	0	yes	3	No	0	No	0	yes	No	0	No	0	yes
0	No	0	yes	2	No	0	No	0	yes	No	0	No	0	yes
3	No	0	yes	2	No	0	No	0	No	No	3	No	0	yes
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	Yes	Yes	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
3	yes	5	yes	5	No	0	No	0	no	yes	3	yes	5	yes
0	No	0	No	0	No	0	No	0	yes	No	0	No	0	No
4	yes	2	No	0	No	0	No	0	no	yes	4	yes	2	No
0	No	0	No	0	No	0	No	0	yes	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
10	No	0	yes	2	No	0	No	0	yes	No	0	No	0	No
0	No	0	yes	3	No	0	No	0	yes	No	0	No	0	yes
0	No	0	yes	2	No	0	No	0	yes	No	0	No	0	yes
3	No	0	yes	2	No	0	No	0	yes	yes	3	No	0	yes
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	Yes	1	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	Yes	yes	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
3	yes	5	yes	5	No	0	No	0	yes	yes	3	yes	5	yes
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
4	yes	2	No	0	No	0	No	0	yes	yes	4	yes	2	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	Yes	3	yes	3	No	0	yes	No	0	No	0	Yes
0	No	0	No	0	No	0	No	0	no	Yes	1	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No
0	No	0	No	0	No	0	No	0	no	No	0	No	0	No

Duration of symptoms in days	Fever	Duration of symptoms in days	Chest indrawing	Duration of symptoms in days	(Post test 2 after 3 month) Presence of ARI at time of Data collection	nasal discharge	Duration of symptoms in days	sore throat	Duration of symptoms in days	Cough	Duration of symptoms in days	Fever	Duration of symptoms in days
POST TEST 2													
0	No	0	No	0	no	No	0	No	0	No	0	No	0
3	yes	3	No	0	yes	No	0	No	0	No	3	yes	3
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
2	No	0	No	0	No	No	10	No	0	yes	2	No	0
3	No	0	No	0	yes	No	0	No	0	No	3	No	0
2	No	0	No	0	yes	No	0	No	0	yes	2	No	0
2	No	0	No	0	No	No	0	No	0	No	2	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	Yes	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
5	No	0	No	0	no	yes	3	yes	5	yes	5	No	0
0	No	0	No	0	yes	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	yes	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
3	yes	3	No	0	yes	No	0	No	0	Yes	3	yes	3
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	No	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	Yes	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	No	No	0	No	0	No	0	No	0
3	No	0	No	0	yes	No	0	No	0	yes	3	No	0
2	No	0	No	0	yes	No	0	No	0	yes	2	No	0
2	No	0	No	0	yes	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	Yes	1	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	Yes	yes	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
5	No	0	No	0	yes	yes	3	yes	5	yes	5	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	yes	yes	4	yes	2	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
3	yes	3	No	0	yes	No	0	No	0	Yes	3	yes	3
0	No	0	No	0	Yes	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0

2	No	0	No	0	yes	yes	3	No	0	yes	2	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
5	No	0	No	0	yes	yes	3	yes	5	yes	5	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	yes	4	yes	2	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
3	yes	3	No	0	yes	No	0	No	0	Yes	3	yes	3
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
2	No	0	No	0	yes	yes	10	No	0	yes	2	No	0
3	No	0	No	0	yes	No	0	No	0	yes	3	No	0
2	No	0	No	0	yes	No	0	No	0	yes	2	No	0
2	No	0	No	0	yes	yes	3	No	0	yes	2	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
5	No	0	No	0	yes	yes	3	yes	5	yes	5	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	yes	yes	4	yes	2	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
3	yes	3	No	0	yes	No	0	No	0	Yes	3	yes	3
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0
0	No	0	No	0	no	No	0	No	0	No	0	No	0

Chest indrawing	Duration of symptoms in days	(Post test 3 after 6 month) Presence of ARI at time of Data collection	(Post test 2 after 3 month) Presence of ARI at time of Data collection	(Post test 1 after 1 month) Presence of ARI at time of Data collection	Number of episode of ARI in six months (Post test) after giving intervention
POST TEST 3					
No	0	no	no	no	1
No	0	No	yes	yes	2
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	2
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	2
No	0	No	No	yes	1
No	0	No	yes	yes	0
No	0	yes	yes	yes	2
No	0	No	No	No	2
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	No	Yes	Yes	1
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	1
No	0	yes	yes	yes	1
No	0	no	no	no	3
No	0	yes	yes	yes	1
No	0	no	no	no	1
No	0	yes	yes	yes	1
No	0	no	no	no	1
No	0	No	No	yes	2
No	0	no	no	no	0
No	0	no	no	no	0
No	0	No	Yes	no	1
No	0	no	no	no	1
No	0	No	No	yes	0
No	0	yes	yes	yes	2
No	0	yes	yes	yes	2
No	0	No	yes	yes	2
No	0	no	no	no	0
No	0	no	no	no	3
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	Yes	Yes	Yes	2
No	0	no	no	no	2
No	0	yes	yes	yes	3
No	0	no	no	no	2
No	0	yes	yes	yes	2
No	0	no	no	no	2
No	0	no	no	no	1
No	0	yes	yes	yes	1
No	0	No	Yes	no	1
No	0	no	no	no	2
No	0	no	no	no	1

No	0	yes	yes	yes	1
No	0	no	no	no	0
No	0	yes	yes	yes	1
No	0	no	no	no	1
No	0	no	no	no	0
No	0	yes	yes	yes	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	yes	yes	yes	0
No	0	yes	yes	yes	2
No	0	yes	yes	yes	4
No	0	yes	yes	yes	3
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	2
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	2
No	0	no	no	no	2
No	0	yes	yes	yes	1
No	0	no	no	no	1
No	0	yes	yes	yes	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	yes	yes	yes	0
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	2
No	0	no	no	no	0
No	0	no	no	no	0
No	0	yes	yes	yes	0
No	0	yes	yes	yes	1
No	0	yes	yes	yes	0
No	0	yes	yes	yes	1
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	1
No	0	yes	yes	yes	0
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	0
No	0	yes	yes	yes	3
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	2
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	0
No	0	yes	yes	yes	1
No	0	yes	yes	yes	2
No	0	yes	yes	yes	0

No	0	yes	yes	yes	0
No	0	no	no	no	2
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	3
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	0
No	0	yes	yes	yes	3
No	0	no	no	no	2
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	0
No	0	yes	yes	yes	0
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	2
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	1
No	0	yes	yes	yes	0
No	0	yes	yes	yes	1
No	0	yes	yes	yes	2
No	0	yes	yes	yes	2
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	0
No	0	no	no	no	1
No	0	no	no	no	1
No	0	yes	yes	yes	0
No	0	no	no	no	0
No	0	yes	yes	yes	3
No	0	no	no	no	1
No	0	no	no	no	1
No	0	yes	yes	yes	3
No	0	no	no	no	1
No	0	no	no	no	1
No	0	no	no	no	1

Demographic data of mothers

CODE NO.	Gender of Child	age of child ??	Age of Child	wt of child(Kg) ??	Wt of Child(Kg)	aAge of mother (Yr)	Age of Mother (Yr)	Mother Education	Mother Occupation	Father Education	Father Occupation	Family Income Per Month	Family Dietary Pattern	Family Type	No of Children In Family	Exposure of Previous Teaching	Sources of Information
Exp 1	2	1	1	7	2	24	2	2	1	3	1	4	1	1	2	0	0
Exp 2	1	2	1	10	2	20	1	4	1	4	1	4	2	1	1	0	0
Exp 3	1	1	1	7	2	23	2	4	1	4	2	5	1	2	3	1	1
Exp 4	2	1	1	7	2	24	2	2	1	3	1	4	1	1	2	0	0
Exp 5	2	2	1	3	1	24	2	2	1	3	1	4	2	1	3	0	0
Exp 6	1	4.5	4	14	3	27	3	3	1	4	3	4	1	2	2	0	0
Exp 7	1	2	1	9	2	24	2	3	1	3	3	5	2	2	1	1	2
Exp 8	2	5	4	20	4	33	4	4	4	4	3	5	1	1	1	1	1
Exp 9	2	3	2	12	3	29	3	4	4	2	1	3	1	1	3	0	0
Exp 10	2	5	4	20	4	33	4	4	4	4	3	5	1	1	1	1	1
Exp 11	2	5	4	15	3	23	2	2	1	3	3	4	2	2	1	0	0
Exp 12	1	2	1	10	2	20	1	4	1	4	1	4	2	1	1	0	0
Exp 13	2	2	1	3	1	24	2	2	1	3	1	4	2	1	3	0	0
Exp 14	1	4	3	12	3	29	3	4	4	4	3	5	1	1	2	1	1
Exp 15	1	4.5	4	14	3	27	3	3	1	4	3	4	1	2	2	0	0
Exp 16	2	3.6	3	13	3	24	2	4	1	4	3	5	1	2	1	0	0
Exp 17	1	3	2	13	3	26	3	4	4	4	3	5	1	1	2	0	0
Exp 18	2	3	2	8.5	2	30	3	4	4	4	4	5	1	2	3	0	0
Exp 19	2	2	1	8	2	30	3	2	1	4	1	4	1	1	4	0	0
Exp 20	1	2	1	10	2	20	1	4	1	4	1	4	2	1	1	0	0
Exp 21	1	5	4	12	3	25	2	4	1	4	3	5	1	1	2	1	2
Exp 22	1	3	2	11.5	3	26	3	3	1	3	3	5	2	1	2	0	0
Exp 23	2	1	1	8	2	27	3	2	1	3	4	5	2	1	3	0	0
Exp 24	2	3	2	12	3	29	3	4	4	2	1	3	1	1	3	0	0

Exp 25	1	2	1	10	2	25	2	4	1	4	2	5	2	2	1	1	1
Exp 26	1	4	3	12	3	28	3	4	1	4	4	5	1	2	2	0	0
Exp 27	1	4	3	18	4	40	5	4	3	3	3	5	2	1	2	0	0
Exp 28	2	5	4	16	4	28	3	4	1	4	2	5	1	2	3	0	0
Exp 29	1	2.6	2	7.5	2	32	4	3	4	3	1	4	1	1	3	0	0
Exp 30	2	3	2	9	2	29	3	2	1	2	3	4	1	2	2	0	0
Exp 31	1	2.3	2	9	2	23	2	4	1	3	1	4	1	1	2	0	0
Exp 32	1	2	1	9	2	24	2	3	1	3	3	5	2	2	1	1	2
Exp 33	1	2.5	2	9	2	27	3	4	1	4	4	5	2	1	1	1	1
Exp 34	1	3	2	12	3	27	3	3	1	4	3	5	1	2	2	1	1
Exp 35	2	2	1	8	2	30	3	2	1	4	1	4	1	1	4	0	0
Exp 36	1	1.6	1	8.5	2	25	2	2	1	2	3	4	2	3	2	0	0
Exp 37	1	4	3	13	3	35	4	3	1	3	1	4	1	1	3	0	0
Exp 38	2	1	1	8	2	27	3	2	1	3	4	5	2	1	3	0	0
Exp 39	1	2.6	2	7.5	2	32	4	3	4	3	1	4	1	1	3	0	0
Exp 40	2	4	3	7	2	25	2	3	1	4	4	5	1	2	1	1	1
Exp 41	1	4	3	13	3	35	4	3	1	3	1	4	1	1	3	0	0
Exp 42	1	3	2	12	3	26	3	4	4	4	2	5	1	1	1	1	1
Exp 43	1	2	1	10	2	25	2	4	1	4	2	5	2	2	1	1	1
Exp 44	2	1	1	7	2	24	2	2	1	3	1	4	1	1	2	0	0
Exp 45	1	3	2	12	3	27	3	3	1	4	3	5	1	2	2	1	1
Exp 46	1	4	3	12.5	3	32	4	4	3	3	1	4	1	1	3	0	0
Exp 47	2	2	1	12	3	26	3	4	1	4	2	5	1	2	1	1	1
Exp 48	1	1.6	1	8.5	2	25	2	2	1	2	3	4	2	3	2	0	0
Exp 49	1	4	3	18	4	40	5	4	3	3	3	5	2	1	2	0	0
Exp 50	2	5	4	16	4	28	3	4	1	4	2	5	1	2	3	0	0
Exp 51	1	3	2	13	3	32	4	3	1	3	3	5	2	1	4	0	0
Exp 52	2	1	1	7	2	24	2	2	1	3	1	4	1	1	2	0	0
Exp 53	2	2	1	8	2	24	2	2	1	3	1	4	2	1	3	0	0
Exp 54	2	5	4	15	3	23	2	2	1	3	3	4	2	2	1	0	0
Exp 55	1	2.5	2	9	2	27	3	4	1	4	4	5	2	1	1	1	1
Exp 56	1	3	2	12	3	26	3	4	4	4	2	5	1	1	1	1	1
Exp 57	2	2	1	12	3	26	3	4	1	4	2	5	1	2	1	1	1
Exp 58	1	3	2	12	3	26	3	4	4	4	2	5	1	1	1	1	1
Exp 59	2	3.6	3	13	3	24	2	4	1	4	3	5	1	2	1	0	0
Exp 60	1	2.6	2	7.5	2	32	4	3	4	3	1	4	1	1	3	0	0
Exp 61	1	4.3	4	14	3	25	2	4	4	4	3	5	1	1	2	1	1
Exp 62	1	4	3	14	3	32	4	3	1	3	1	5	2	2	2	0	0

Exp 63	1	4	3	12	3	29	3	4	4	4	3	5	1	1	2	1	1
Exp 64	1	4	3	12.5	3	32	4	4	3	3	1	4	1	1	3	0	0
Exp 65	1	1.3	1	5.5	1	21	2	4	1	4	3	5	1	1	1	0	0
Exp 66	1	4.5	4	14	3	27	3	3	1	4	3	4	1	2	2	0	0
Exp 67	1	4	3	13	3	35	4	3	1	3	1	4	1	1	3	0	0
Exp 68	1	2	1	8	2	32	4	3	1	3	3	5	2	2	2	0	0
Exp 69	2	4	3	13	3	27	3	4	1	4	3	5	1	1	3	0	0
Exp 70	2	3.9	3	8	2	26	3	3	4	3	1	4	2	2	2	0	0
Exp 71	2	3.5	3	10.5	2	35	4	4	1	1	1	3	2	2	2	0	0
Exp 72	1	4.3	4	10	2	32	4	1	1	2	1	4	2	1	3	0	0
Exp 73	1	1	1	8	2	28	3	4	1	4	4	5	2	1	1	0	0
Exp 74	1	1.6	1	3.5	1	26	3	3	1	3	1	4	2	2	2	0	0
Exp 75	1	2.5	2	9	2	27	3	4	1	4	4	5	2	1	1	1	1
Exp 76	1	3	2	13	3	26	3	4	4	4	3	5	1	1	2	0	0
Exp 77	2	2	1	12	3	26	3	4	1	4	2	5	1	2	1	1	1
Exp 78	1	2.2	2	8.5	2	25	2	4	4	2	1	3	1	1	2	0	0
Exp 79	2	5	4	20	4	33	4	4	4	4	3	5	1	1	1	1	1
Exp 80	2	4	3	13	3	27	3	4	1	4	3	5	1	1	3	0	0
Exp 81	1	2	1	9	2	24	2	3	1	3	3	5	2	2	1	1	2
Exp 82	2	4.3	4	12	3	30	3	4	1	2	1	4	2	2	3	0	0
Exp 83	2	3	2	9	2	29	3	2	1	2	3	4	1	2	2	0	0
Exp 84	2	3	2	10	2	28	3	4	1	4	3	5	1	2	2	1	1
Exp 85	2	2	1	12	3	26	3	4	1	4	2	5	1	2	1	1	1
Exp 86	1	1.6	1	3.5	1	26	3	3	1	3	1	4	2	2	2	0	0
Exp 87	1	4.3	4	14	3	25	2	4	4	4	3	5	1	1	2	1	1
Exp 88	2	2.5	2	9	2	29	3	3	1	3	1	4	2	3	3	0	0
Exp 89	1	4	3	18	4	25	2	3	1	4	3	4	2	2	2	0	0
Exp 90	2	2	1	8	2	30	3	2	1	4	1	4	1	1	4	0	0
Exp 91	2	3.9	3	8	2	26	3	3	4	3	1	4	2	2	2	0	0
Exp 92	1	4	3	18	4	25	2	3	1	4	3	4	2	2	2	0	0
Exp 93	1	4	3	12	3	29	3	4	4	4	3	5	1	1	2	1	1
Exp 94	2	5	4	15	3	23	2	2	1	3	3	4	2	2	1	0	0
Exp 95	2	2	1	12	3	26	3	4	1	4	2	5	1	2	1	1	1
Exp 96	2	2	1	8	2	24	2	2	1	3	1	4	2	1	3	0	0
Exp 97	2	5	4	20	4	33	4	4	4	4	3	5	1	1	1	1	1
Exp 98	2	2	1	3	1	24	2	2	1	3	1	4	2	1	3	0	0
Exp 99	2	2.5	2	9	2	29	3	3	1	3	1	4	2	3	3	0	0
Exp 100	2	3.6	3	13	3	24	2	4	1	4	3	5	1	2	1	0	0

Exp 101	2	5	4	16	4	28	3	4	1	4	2	5	1	2	3	0	0
Exp 102	1	2	1	10	2	20	1	4	1	4	1	4	2	1	1	0	0
Exp 103	1	3	2	12	3	27	3	3	1	4	3	5	1	2	2	1	1
Exp 104	1	2	1	8	2	32	4	3	1	3	3	5	2	2	2	0	0
Exp 105	1	4.6	4	20	4	30	3	2	1	3	3	5	2	2	2	0	0
Exp 106	2	4	3	7	2	25	2	3	1	4	4	5	1	2	1	1	1
Exp 107	2	3.5	3	10.5	2	35	4	4	1	1	1	3	2	2	2	0	0
Exp 108	1	2.3	2	9	2	23	2	4	1	3	1	4	1	1	2	0	0
Exp 109	1	3	2	11.5	3	26	3	3	1	3	3	5	2	1	2	0	0
Exp 110	1	2.2	2	8.5	2	25	2	4	4	2	1	3	1	1	2	0	0
Exp 111	1	4.6	4	20	4	30	3	2	1	3	3	5	2	2	2	0	0
Exp 112	2	2	1	8	2	25	2	4	4	4	2	5	2	2	1	1	1
Exp 113	2	2	1	8	2	30	3	2	1	4	1	4	1	1	4	0	0
Exp 114	1	4	3	18	4	40	5	4	3	3	3	5	2	1	2	0	0
Exp 115	1	2.2	2	8.5	2	25	2	4	4	2	1	3	1	1	2	0	0
Exp 116	1	1	1	7	2	23	2	4	1	4	2	5	1	2	3	1	1
Exp 117	2	2	1	8	2	25	2	4	4	4	2	5	2	2	1	1	1
Exp 118	1	3	2	12	3	26	3	4	4	4	2	5	1	1	1	1	1
Exp 119	1	4.5	4	14	3	27	3	3	1	4	3	4	1	2	2	0	0
Exp 120	2	5	4	15	3	23	2	2	1	3	3	4	2	2	1	0	0
Exp 121	1	3.6	3	12.5	3	37	5	2	1	3	3	5	2	1	4	0	0

Knowledge and practice score of mothers

CODE NO.	K1(A)	K2(A)	K3(A)	K4(A)	K5(A)	K6(A)	K7(A)	K8(B)	K9(B)	K10(B)	K11(B)	K12(B)	K13(B)	K14(B)	K15(B)	K16(B)	K17(B)	K18(B)	K19(B)	K20(C)	K21(C)	K22 (C)	K23(C)
Exp 1	1	1	0	1	0	1	1	0	0	1	1	1	1	0	1	0	1	1	1	0	0	1	1
Exp 2	1	1	0	1	1	1	1	0	0	1	0	0	1	1	1	0	1	1	0	0	0	1	1
Exp 3	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 4	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 5	0	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 6	1	0	0	1	1	1	1	0	0	1	0	1	1	1	1	0	0	1	0	1	0	1	1
Exp 7	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	1	1	1
Exp 8	1	0	0	1	0	0	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 9	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1
Exp 10	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 11	1	0	0	1	0	0	1	0	1	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Exp 12	1	1	0	1	0	0	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	1	0
Exp 13	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0
Exp 14	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1	0
Exp 15	1	1	0	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0
Exp 16	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	1	1	0	1	1	0	1	0
Exp 17	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 18	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 19	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
Exp 20	1	0	0	1	0	1	1	0	1	1	1	1	1	0	0	1	1	1	0	0	0	1	1
Exp 21	0	0	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	0	0	1	0	1	0
Exp 22	0	0	1	1	1	1	1	0	1	1	1	0	1	0	1	0	1	1	0	1	0	1	0
Exp 23	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1
Exp 24	0	0	0	1	0	1	1	0	0	1	0	0	1	1	0	0	0	0	1	1	1	1	1
Exp 25	1	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	1	0	1	1	0	1	1
Exp 26	1	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1
Exp 27	1	1	1	0	1	0	1	0	1	1	1	1	0	0	1	0	1	0	1	0	1	1	1
Exp 28	1	1	1	0	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0
Exp 29	1	1	0	0	1	1	1	0	0	0	1	1	0	0	1	1	1	0	0	1	0	1	0
Exp 30	1	1	0	1	0	1	1	0	0	1	1	1	1	0	1	0	1	1	1	0	0	1	1
Exp 31	1	1	0	1	1	1	1	0	0	1	0	0	1	1	1	0	1	1	0	0	0	1	1
Exp 32	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 33	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 34	0	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 35	1	0	0	1	1	1	1	0	0	1	0	1	1	1	1	0	0	1	0	1	0	1	1
Exp 36	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	1	1	1
Exp 37	1	0	0	1	0	0	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 38	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1
Exp 39	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 40	1	0	0	1	0	0	1	0	1	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Exp 41	1	1	0	1	0	0	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	1	0
Exp 42	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0
Exp 43	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1	0
Exp 44	1	1	0	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0
Exp 45	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	1	1	0	1	1	0	1	0
Exp 46	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 47	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 48	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
Exp 49	1	0	0	1	0	1	1	0	1	1	1	1	1	0	0	1	1	1	0	0	0	1	1
Exp 50	0	0	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	0	0	1	0	1	0
Exp 51	0	0	1	1	1	1	1	0	1	1	1	0	1	0	1	0	1	1	0	1	0	1	0
Exp 52	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1
Exp 53	0	0	0	1	0	1	1	0	0	1	0	0	1	1	0	0	0	0	1	1	1	1	1
Exp 54	1	0	0	1	1	1	1	1	0	1	1	0	1	1	1	0	1	0	1	1	0	1	1
Exp 55	1	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1
Exp 56	1	1	1	0	1	0	1	0	1	1	1	1	0	0	1	0	1	0	1	0	1	1	1
Exp 57	1	1	1	0	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0
Exp 58	1	1	0	0	1	1	1	0	0	0	1	1	0	0	1	1	1	0	0	1	0	1	0
Exp 59	1	1	0	1	0	1	1	0	0	1	1	1	1	0	1	0	1	1	1	0	0	1	1

Exp 60	1	1	0	1	1	1	1	0	0	1	0	0	1	1	1	0	1	1	0	0	0	1	1
Exp 61	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 62	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 63	0	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 64	1	0	0	1	1	1	1	0	0	1	0	1	1	1	1	0	0	1	0	1	0	1	1
Exp 65	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	1	1	1
Exp 66	1	0	0	1	0	0	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 67	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1
Exp 68	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 69	1	0	0	1	0	0	1	0	1	1	1	1	1	1	1	0	1	0	1	0	0	1	0
Exp 70	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	0
Exp 71	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0
Exp 72	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1	0
Exp 73	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0
Exp 74	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	1	1	0	1	1	0	0
Exp 75	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 76	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 77	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
Exp 78	1	0	0	1	0	1	1	0	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1
Exp 79	0	0	0	1	1	1	1	0	1	1	1	0	1	1	0	0	1	0	0	0	1	0	0
Exp 80	0	0	1	1	1	1	1	0	1	1	1	0	1	0	1	0	1	1	0	1	0	1	0
Exp 81	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1
Exp 82	0	0	0	1	0	1	1	0	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1
Exp 83	1	0	0	1	1	1	1	1	0	1	1	0	1	1	1	0	1	0	1	1	0	1	1
Exp 84	1	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1
Exp 85	1	1	1	0	1	0	1	0	1	1	1	1	1	0	0	1	0	1	0	1	0	1	1
Exp 86	1	1	1	0	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0
Exp 87	1	1	0	0	1	1	1	0	0	0	1	1	0	0	1	1	1	0	0	1	0	1	0
Exp 88	1	1	0	1	0	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	1
Exp 89	1	1	0	1	1	1	1	0	0	1	0	0	1	1	1	0	1	1	0	0	0	1	1
Exp 90	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 91	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 92	0	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 93	1	0	0	1	1	1	1	0	0	1	0	1	1	1	1	0	0	1	0	1	0	1	1
Exp 94	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	1	1	1
Exp 95	1	0	0	1	0	0	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 96	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1
Exp 97	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 98	1	0	0	1	0	0	1	0	1	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Exp 99	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	0
Exp 100	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0
Exp 101	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1	0
Exp 102	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0
Exp 103	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	1	1	0	1	1	0	0
Exp 104	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 105	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
Exp 106	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
Exp 107	1	0	0	1	0	1	1	0	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1
Exp 108	0	0	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	0	0	1	0	1	0
Exp 109	0	0	1	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	0	1	0	0
Exp 110	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1
Exp 111	0	0	0	1	0	1	1	0	0	1	0	0	1	1	0	0	0	0	1	1	1	1	1
Exp 112	1	0	0	1	1	1	1	1	0	1	1	0	1	1	1	0	1	0	1	1	0	1	1
Exp 113	1	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	0	1	1	1
Exp 114	1	1	1	0	1	0	1	0	1	1	1	1	0	0	1	0	1	0	1	0	1	1	1
Exp 115	1	1	1	0	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0
Exp 116	1	1	0	0	1	1	1	0	0	0	1	1	0	0	1	1	1	0	0	1	0	1	0
Exp 117	1	1	0	1	0	1	1	0	0	1	1	1	1	0	0	1	0	1	1	0	0	1	1
Exp 118	1	1	0	1	1	1	1	0	0	1	0	0	1	1	1	0	1	1	0	0	0	1	1
Exp 119	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	1	1
Exp 120	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1
Exp 121	0	0	0	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1

K24(C)	K25(C)	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19
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0	1	2	2	1	2	1	2	1	2	1	2	2	1	1	2	1	1	2	1	0
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1	1	1	1	2	1	2	1	1	0	1	2	1	0	2	1	1	2	0	1	2
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1	1	2	2	1	2	0	2	1	0	1	2	1	1	2	2	1	1	1	0
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0	1	1	1	2	1	2	1	0	1	2	1	1	1	0	2	2	1	1	2
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0	0	2	2	1	2	0	2	2	1	1	2	1	2	2	2	1	1	1	0
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Domainwise Knowledge score of mothers

CODE NO.	D1KPRETEST	D2K PRETEST	D3K PRETEST	D1K POSTTEST1	D2K POSTTEST1	D3K POSTTES1	D1 KPOSTTST2	D2K POSTTEST2	D3K POSTTEST2	D1K POSTTEST3	D2K POSTTEST3	D3K POSTEST3
Exp 1	5	8	2	6	9	3	6	9	4	7	10	4
Exp 2	6	6	2	6	7	3	6	7	3	7	10	3
Exp 3	4	7	2	4	7	2	6	7	3	6	9	4
Exp 4	4	8	2	4	8	2	6	8	2	6	9	4
Exp 5	3	8	2	3	8	3	5	9	3	7	10	4
Exp 6	5	6	3	5	6	3	5	7	3	6	9	5
Exp 7	5	7	3	5	7	3	5	8	3	7	10	4
Exp 8	3	8	2	4	8	2	4	8	3	5	10	4
Exp 9	1	9	3	2	10	4	3	10	4	4	8	6
Exp 10	5	9	3	6	9	3	6	9	3	6	10	5
Exp 11	3	8	2	4	8	3	6	9	3	6	11	5
Exp 12	4	8	2	4	8	2	5	8	2	7	10	4
Exp 13	5	9	2	7	9	2	7	9	3	7	10	4
Exp 14	6	9	2	6	9	2	6	9	3	7	10	3
Exp 15	5	9	1	6	10	2	6	10	4	6	11	5
Exp 16	1	9	3	3	9	3	4	9	3	6	9	4
Exp 17	3	9	4	5	9	4	5	9	4	4	10	6
Exp 18	3	9	4	4	10	4	5	10	4	4	10	6
Exp 19	5	9	3	5	9	3	5	10	3	5	10	5
Exp 20	4	8	2	5	9	2	5	9	2	5	9	5
Exp 21	5	5	4	6	6	5	6	7	5	6	9	5
Exp 22	5	7	2	5	8	3	5	8	3	6	9	5
Exp 23	5	9	3	5	9	3	5	9	3	6	11	5
Exp 24	3	4	5	4	5	6	5	4	6	5	8	6
Exp 25	5	8	4	5	8	4	5	9	4	7	10	5
Exp 26	5	9	4	5	9	4	6	9	4	7	10	6
Exp 27	5	7	5	6	7	5	6	8	5	6	11	5
Exp 28	5	7	3	6	7	3	6	7	3	6	9	5
Exp 29	5	5	4	6	6	4	6	6	4	7	9	4
Exp 30	5	8	2	6	8	2	6	8	2	6	9	5
Exp 31	6	6	2	6	6	2	6	6	3	6	10	4
Exp 32	4	7	2	5	8	2	5	8	2	6	9	4
Exp 33	4	8	2	5	9	2	5	9	2	6	9	4
Exp 34	3	8	2	3	8	2	5	9	3	6	9	4
Exp 35	5	6	3	5	7	3	5	8	3	7	8	5
Exp 36	5	7	3	6	8	3	6	8	3	7	9	3
Exp 37	3	8	2	5	8	2	5	9	3	5	11	3
Exp 38	1	9	3	3	10	4	3	10	4	4	11	3
Exp 39	5	9	3	5	9	3	5	9	5	6	11	5
Exp 40	3	8	2	5	8	2	5	8	3	5	9	5
Exp 41	4	8	2	5	9	2	5	9	3	6	10	5
Exp 42	5	9	2	5	9	3	5	9	3	6	10	5
Exp 43	6	9	2	6	9	3	6	9	3	5	10	5
Exp 44	5	9	1	5	9	1	5	9	2	6	9	3
Exp 45	1	9	3	3	9	3	4	9	3	4	11	5
Exp 46	3	9	4	4	9	4	4	9	4	4	11	5
Exp 47	3	9	4	4	9	4	5	9	4	4	11	5
Exp 48	5	9	3	6	9	3	7	9	3	5	11	5
Exp 49	4	8	2	5	8	2	5	8	3	5	9	5
Exp 50	5	5	4	5	6	4	5	6	4	7	9	5
Exp 51	5	7	2	5	7	2	6	9	3	7	11	4
Exp 52	5	9	3	5	9	3	5	9	3	6	11	5
Exp 53	3	4	5	4	5	6	6	5	6	6	9	5
Exp 54	5	8	4	5	8	4	5	8	4	7	10	5
Exp 55	5	9	4	6	9	4	6	9	5	7	11	6
Exp 56	5	7	5	6	8	5	6	8	5	7	10	5
Exp 57	5	7	3	5	7	4	6	7	4	6	9	5
Exp 58	5	5	4	6	6	5	6	7	5	6	9	5
Exp 59	5	8	2	5	8	3	5	9	3	6	9	5
Exp 60	6	6	2	6	6	3	6	6	3	6	9	5
Exp 61	4	7	2	6	8	3	7	8	3	6	9	4
Exp 62	4	8	2	5	9	2	5	9	2	6	9	4
Exp 63	3	8	2	5	10	2	6	10	3	6	9	4
Exp 64	5	6	3	6	6	3	6	8	3	7	9	4
Exp 65	5	7	3	6	8	3	6	8	4	6	9	4
Exp 66	3	8	2	4	8	1	6	8	3	6	9	4
Exp 67	1	9	3	4	9	3	5	9	3	4	10	4
Exp 68	5	9	3	5	9	3	5	9	4	6	10	5
Exp 69	3	8	2	5	8	3	6	8	3	5	9	3
Exp 70	4	8	2	4	8	1	6	8	4	6	10	5

Exp 71	5	9	2	5	9	2	5	9	4	6	11	4
Exp 72	6	9	2	6	9	1	6	9	3	7	10	3
Exp 73	5	9	1	5	9	1	5	9	1	6	9	2
Exp 74	1	9	3	4	9	3	4	9	3	4	10	5
Exp 75	3	9	4	3	9	4	4	9	4	5	10	4
Exp 76	3	9	4	3	9	4	3	9	4	5	10	5
Exp 77	5	9	3	5	9	3	5	9	4	6	10	4
Exp 78	4	8	2	5	8	2	5	8	2	5	9	5
Exp 79	5	5	4	6	8	5	7	8	5	6	8	6
Exp 80	5	7	2	6	8	2	6	8	2	7	9	4
Exp 81	5	9	3	5	9	3	7	9	3	7	10	5
Exp 82	3	4	5	5	4	5	5	6	5	4	9	6
Exp 83	5	8	4	6	9	4	6	9	4	7	10	5
Exp 84	5	9	4	6	9	4	7	9	4	7	10	6
Exp 85	5	7	5	6	8	5	7	8	5	7	9	6
Exp 86	5	7	3	6	8	3	6	9	3	6	9	5
Exp 87	5	5	4	6	5	4	6	7	4	6	9	5
Exp 88	5	8	2	5	8	2	5	8	2	6	9	5
Exp 89	6	6	2	7	6	3	7	7	3	6	9	5
Exp 90	4	7	2	4	7	2	6	7	3	6	9	4
Exp 91	4	8	2	4	8	2	4	8	2	6	9	4
Exp 92	3	8	2	4	8	2	4	8	2	5	10	4
Exp 93	5	6	3	5	7	3	6	8	3	5	9	6
Exp 94	5	7	3	6	8	3	6	8	3	6	9	4
Exp 95	3	8	2	5	8	2	5	8	3	6	9	4
Exp 96	1	9	3	3	9	3	3	9	3	4	10	4
Exp 97	5	9	3	5	9	3	6	9	3	6	10	5
Exp 98	3	8	2	4	8	3	4	8	3	5	9	3
Exp 99	4	8	2	6	8	2	6	8	3	6	10	5
Exp 100	5	9	2	5	9	3	5	9	3	6	10	5
Exp 101	6	9	2	6	9	2	6	9	2	7	10	3
Exp 102	5	9	1	5	9	1	5	9	1	6	10	3
Exp 103	1	9	3	1	9	3	3	9	3	6	10	3
Exp 104	3	9	4	3	9	4	3	9	4	5	11	5
Exp 105	3	9	4	3	9	4	3	9	4	5	10	5
Exp 106	5	9	3	5	9	3	5	9	3	5	10	5
Exp 107	4	8	2	4	8	2	6	9	4	5	10	5
Exp 108	5	5	4	5	5	4	5	6	4	6	9	5
Exp 109	5	7	2	7	7	3	7	8	3	6	10	4
Exp 110	5	9	3	5	9	3	5	9	3	7	10	5
Exp 111	3	4	5	5	4	5	5	6	5	5	6	6
Exp 112	5	8	4	5	8	4	5	9	5	7	10	5
Exp 113	5	9	4	6	9	4	7	9	4	7	10	6
Exp 114	5	7	5	7	8	5	7	8	6	6	10	6
Exp 115	5	7	3	6	7	3	6	7	3	7	9	4
Exp 116	5	5	4	5	6	4	5	6	4	6	9	5
Exp 117	5	8	2	5	8	2	5	8	2	6	9	5
Exp 118	6	6	2	6	7	3	6	10	3	6	9	5
Exp 119	4	7	2	6	7	2	6	7	2	5	9	5
Exp 120	4	8	2	5	8	2	5	8	3	6	10	3
Exp 121	3	8	2	5	8	3	5	10	3	5	10	4

Domainwise Knowledge score of mothers

CODE NO.	D1KPRETEST	D2K PRETEST	D3K PRETEST	D1K POSTTEST1	D2K POSTTEST1	D3K POSTTES1	D1 KPOSTST2	D2K POSTTEST2	D3K POSTTEST2	D1K POSTTEST3	D2K POSTEST3	D3K POSTEST3
Ctrl 1	5	8	3	5	10	4	5	10	4	5	10	3
Ctrl 2	6	6	2	5	12	2	5	12	2	5	12	2
Ctrl 3	4	7	2	5	10	2	5	10	1	5	10	3
Ctrl 4	4	8	2	5	10	2	5	10	2	5	10	5
Ctrl 5	3	8	2	5	12	2	5	11	2	5	11	2
Ctrl 6	5	6	3	5	12	3	5	12	3	5	12	3
Ctrl 7	5	7	2	4	10	1	4	10	1	4	10	1
Ctrl 8	3	8	4	3	9	4	3	10	4	3	9	4
Ctrl 9	1	9	3	4	8	3	4	8	3	4	8	3
Ctrl 10	5	9	2	4	8	3	4	11	3	4	8	3
Ctrl 11	3	8	3	4	9	3	4	9	3	4	9	3
Ctrl 12	4	8	3	4	9	3	4	11	3	4	9	3
Ctrl 13	5	9	2	5	11	4	5	10	4	5	10	4
Ctrl 14	6	9	3	4	12	3	4	12	3	4	11	3
Ctrl 15	5	9	3	3	10	3	3	10	3	3	10	3
Ctrl 16	1	9	2	5	8	2	5	8	2	5	8	2
Ctrl 17	3	9	3	4	9	3	4	9	3	4	9	3
Ctrl 18	3	9	2	5	8	2	5	8	2	5	8	2
Ctrl 19	5	9	1	4	9	1	4	9	1	4	9	2
Ctrl 20	4	8	2	4	6	2	4	6	2	4	6	2
Ctrl 21	5	5	3	2	7	3	2	7	3	2	7	3
Ctrl 22	5	7	3	5	7	3	5	7	3	4	7	3
Ctrl 23	5	9	3	5	6	3	5	9	3	5	6	3
Ctrl 24	7	4	5	4	6	5	4	6	5	4	6	5
Ctrl 25	4	8	3	4	9	3	4	9	3	5	9	3
Ctrl 26	5	9	2	5	12	2	5	10	2	5	10	3
Ctrl 27	5	7	2	4	12	2	4	10	2	4	10	2
Ctrl 28	5	7	2	5	10	2	5	10	2	5	10	2
Ctrl 29	5	5	2	5	12	2	5	12	2	5	12	2
Ctrl 30	5	8	3	5	12	3	5	10	3	5	10	3
Ctrl 31	5	6	2	5	10	2	5	10	2	5	10	2
Ctrl 32	3	7	4	3	9	4	3	9	4	3	9	4
Ctrl 33	4	8	3	4	8	3	4	8	3	4	8	3
Ctrl 34	4	8	2	4	8	2	4	8	2	5	8	2
Ctrl 35	4	6	3	4	9	3	4	9	3	4	9	4
Ctrl 36	4	7	3	4	9	3	4	9	3	4	9	3
Ctrl 37	5	8	2	5	9	2	5	9	2	5	9	2
Ctrl 38	5	9	3	5	10	3	5	10	3	5	10	3
Ctrl 39	5	9	3	5	8	3	5	8	3	5	8	3
Ctrl 40	5	8	2	5	8	2	5	8	2	4	8	2
Ctrl 41	4	8	3	4	9	3	4	11	3	4	9	3
Ctrl 42	5	9	2	5	9	2	5	9	2	5	9	2
Ctrl 43	5	9	1	5	9	1	5	12	1	5	9	1
Ctrl 44	5	9	2	5	6	2	5	6	2	5	6	2
Ctrl 45	2	9	3	2	7	3	2	12	3	2	7	3
Ctrl 46	5	9	3	5	6	3	5	6	3	5	6	4
Ctrl 47	5	9	3	5	6	3	5	11	3	5	6	3
Ctrl 48	7	9	5	7	6	3	7	6	3	5	6	3
Ctrl 49	4	8	3	4	9	3	4	9	3	4	9	3
Ctrl 50	5	5	2	5	9	2	5	9	2	5	9	2
Ctrl 51	5	7	2	5	8	2	5	8	2	5	8	2
Ctrl 52	5	9	2	5	9	2	5	9	2	5	9	2
Ctrl 53	5	4	2	5	8	2	5	8	2	5	8	2
Ctrl 54	5	8	3	5	7	3	5	7	3	5	7	3
Ctrl 55	5	9	2	5	7	2	5	7	2	5	7	2
Ctrl 56	3	7	4	3	9	4	3	9	4	3	9	4
Ctrl 57	4	7	3	4	9	3	4	9	3	4	9	3
Ctrl 58	4	5	2	4	8	2	4	8	2	4	8	2
Ctrl 59	4	8	3	4	9	3	4	9	3	4	9	3
Ctrl 60	4	6	3	4	9	3	4	9	3	4	9	3
Ctrl 61	5	7	2	5	11	2	5	10	2	6	10	2
Ctrl 62	5	8	3	5	12	3	5	11	3	5	11	3
Ctrl 63	5	8	3	5	11	3	5	12	3	5	12	3
Ctrl 64	5	6	2	5	8	2	5	11	2	5	8	2
Ctrl 65	4	7	3	4	9	3	4	9	3	4	9	3
Ctrl 66	5	8	2	5	9	2	5	9	2	5	9	2
Ctrl 67	5	9	1	5	9	1	5	9	1	5	9	1
Ctrl 68	5	9	2	5	6	2	5	6	2	5	6	2
Ctrl 69	2	8	3	2	7	3	2	9	3	2	9	3
Ctrl 70	5	8	3	5	8	3	5	8	3	5	8	3
Ctrl 71	5	9	3	5	6	3	5	6	3	5	6	3
Ctrl 72	7	9	5	7	6	5	7	6	5	4	6	5

Ctrl 73	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 74	5	9	2	5	12	2	5	10	2	5	10	2
Ctrl 75	5	9	2	5	12	2	5	10	2	5	10	2
Ctrl 76	5	9	2	5	10	2	5	10	2	5	10	2
Ctrl 77	5	9	2	5	12	2	5	12	2	5	10	2
Ctrl 78	5	8	3	5	12	3	5	12	3	5	12	3
Ctrl 79	5	5	2	5	12	2	5	12	2	5	12	2
Ctrl 80	3	7	4	3	9	4	3	9	4	3	11	4
Ctrl 81	4	9	3	4	9	3	4	9	3	4	10	3
Ctrl 82	4	4	2	4	8	2	4	8	2	4	8	2
Ctrl 83	4	8	3	4	9	3	4	9	3	4	9	3
Ctrl 84	4	9	3	4	9	3	4	9	3	5	9	3
Ctrl 85	5	7	2	5	11	2	5	11	2	5	12	2
Ctrl 86	5	7	3	5	8	3	5	8	3	5	8	3
Ctrl 87	5	5	3	5	7	3	5	7	3	5	7	3
Ctrl 88	5	8	2	5	8	2	5	8	2	5	8	2
Ctrl 89	4	6	3	4	9	3	4	9	3	4	9	3
Ctrl 90	5	7	2	5	9	2	5	9	2	5	9	2
Ctrl 91	5	8	1	5	9	1	5	9	1	5	9	1
Ctrl 92	5	8	2	5	6	2	5	6	2	5	6	2
Ctrl 93	2	6	3	2	7	3	2	7	3	2	7	3
Ctrl 94	5	7	3	5	8	3	5	8	3	5	8	3
Ctrl 95	5	8	3	5	6	3	5	6	3	5	6	3
Ctrl 96	7	9	5	7	6	5	7	6	5	7	6	5
Ctrl 97	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 98	3	8	2	5	6	2	5	6	2	5	6	2
Ctrl 99	3	8	2	5	7	2	5	7	2	5	7	2
Ctrl 100	5	9	2	5	10	2	5	10	2	5	10	2
Ctrl 101	4	9	2	5	12	2	5	12	2	5	12	2
Ctrl 102	5	9	3	5	12	3	5	12	3	5	12	3
Ctrl 103	5	9	2	5	12	2	5	12	2	5	12	2
Ctrl 104	5	9	4	3	9	4	3	9	4	3	9	4
Ctrl 105	3	9	3	4	9	3	4	9	3	4	9	3
Ctrl 106	5	9	2	4	8	2	4	8	2	4	8	2
Ctrl 107	5	8	3	4	9	3	4	9	3	4	9	3
Ctrl 108	5	5	3	4	9	3	4	9	3	4	9	3
Ctrl 109	5	7	2	5	6	2	5	6	2	5	6	2
Ctrl 110	5	9	3	5	12	3	5	12	3	5	12	3
Ctrl 111	5	4	3	5	9	3	5	9	3	5	9	3
Ctrl 112	6	8	2	5	8	2	5	8	2	5	8	2
Ctrl 113	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 114	4	9	2	5	9	2	5	9	2	5	9	2
Ctrl 115	3	9	1	5	9	1	5	9	1	5	9	1
Ctrl 116	5	6	2	5	6	2	5	6	2	5	6	2
Ctrl 117	2	7	3	2	7	3	2	7	3	2	7	3
Ctrl 118	5	8	3	5	8	3	5	8	3	5	8	3
Ctrl 119	5	6	3	5	6	3	5	6	3	5	6	3
Ctrl 120	7	6	5	7	6	5	7	6	5	7	6	5
Ctrl 121	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 122	5	12	2	5	6	2	5	6	2	5	6	2
Ctrl 123	5	12	2	5	8	2	5	8	2	5	8	2
Ctrl 124	5	10	2	5	9	2	5	9	2	5	9	2
Ctrl 125	5	12	2	5	7	2	5	7	2	5	7	2
Ctrl 126	5	12	3	5	9	3	5	9	3	5	9	3
Ctrl 127	5	12	2	5	8	2	5	8	2	5	8	2
Ctrl 128	3	9	4	3	9	4	3	9	4	3	9	4
Ctrl 129	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 130	4	8	2	4	8	2	4	8	2	4	8	2
Ctrl 131	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 132	4	9	3	4	9	3	4	9	3	4	9	3
Ctrl 133	5	11	2	5	9	2	5	9	2	5	9	2

Domainwise practice score of mothers

code no	Domain 1 EP (Pretest)	Domain 2 EP (Pretest)	Domain 1 EP (Post test 1)	Domain 2 EP (Post test 1)	Domain 1 EP (Post test 2)	Domain 2 EP (Post test 2)	Domain 1 EP (post-test 3)	Domain 2 EP (Post -test3)
Exp 1	16	10	16	10	17	11	18	11
Exp 2	19	14	19	14	20	14	20	15
Exp 3	15	11	15	11	15	12	17	13
Exp 4	16	10	16	10	17	11	17	11
Exp 5	18	11	18	11	18	11	19	10
Exp 6	16	10	16	10	16	11	17	11
Exp 7	15	12	16	12	16	12	16	13
Exp 8	13	9	13	9	14	11	15	12
Exp 9	18	12	18	12	18	12	19	13
Exp 10	18	12	18	12	19	12	20	15
Exp 11	17	10	17	10	18	10	18	11
Exp 12	14	12	14	12	15	13	15	13
Exp 13	14	9	14	11	15	12	16	11
Exp 14	13	7	15	9	15	9	16	9
Exp 15	18	9	18	9	19	10	20	10
Exp 16	15	10	15	10	15	10	16	11
Exp 17	16	10	16	10	16	11	17	12
Exp 18	19	10	19	10	19	10	20	11
Exp 19	16	11	16	11	16	11	17	12
Exp 20	14	14	14	14	14	14	16	15
Exp 21	14	12	15	12	15	12	15	13
Exp 22	12	15	12	15	12	15	13	16
Exp 23	17	12	17	12	17	12	17	12
Exp 24	15	14	15	15	15	15	16	14
Exp 25	15	15	15	15	16	16	16	17
Exp 26	12	15	13	16	13	16	13	17
Exp 27	13	12	15	12	16	12	14	14
Exp 28	13	10	13	10	13	10	14	11
Exp 29	13	9	13	10	13	10	15	10
Exp 30	16	10	16	10	16	10	17	11
Exp 31	19	14	19	14	19	14	19	14
Exp 32	15	11	15	11	15	11	16	12
Exp 33	16	10	16	10	16	11	17	11
Exp 34	18	11	18	12	18	12	19	12
Exp 35	16	10	17	12	17	13	18	12
Exp 36	15	12	15	14	15	14	16	13
Exp 37	13	9	15	12	15	12	16	11
Exp 38	18	12	18	12	18	12	18	13
Exp 39	18	12	18	12	18	13	19	13
Exp 40	17	10	18	11	18	11	18	11
Exp 41	14	12	15	14	15	14	16	14
Exp 42	14	9	16	10	16	10	16	13
Exp 43	13	7	13	7	14	7	14	7
Exp 44	18	9	18	9	18	10	19	10
Exp 45	15	10	15	10	15	10	16	11
Exp 46	16	10	16	10	17	10	17	12
Exp 47	19	10	19	10	19	10	19	11
Exp 48	16	11	16	11	16	11	17	12
Exp 49	14	14	14	14	14	14	14	15
Exp 50	14	12	14	12	15	12	16	13
Exp 51	12	15	14	15	14	15	12	16
Exp 52	17	12	17	12	17	12	17	13
Exp 53	15	14	15	14	15	14	16	15
Exp 54	15	15	15	15	16	16	16	17
Exp 55	12	15	14	15	15	15	13	17
Exp 56	13	12	15	12	15	12	14	14
Exp 57	13	10	14	12	15	12	15	13
Exp 58	13	9	13	9	14	10	15	10
Exp 59	16	10	16	10	16	11	17	11

Exp 60	19	14	19	14	19	14	20	14
Exp 61	15	11	15	11	16	11	16	12
Exp 62	16	10	16	10	16	11	17	11
Exp 63	18	11	18	11	18	11	18	20
Exp 64	16	10	16	10	16	11	16	11
Exp 65	15	12	15	12	16	12	16	13
Exp 66	13	9	13	9	14	10	14	10
Exp 67	18	12	18	12	19	13	19	14
Exp 68	18	12	18	12	18	12	19	13
Exp 69	17	10	17	10	17	10	18	11
Exp 70	14	12	14	12	14	13	15	13
Exp 71	14	9	14	9	14	9	15	10
Exp 72	13	7	13	7	13	8	13	8
Exp 73	18	9	18	9	18	9	19	10
Exp 74	15	10	15	10	15	10	15	10
Exp 75	16	10	16	10	16	11	17	12
Exp 76	19	10	19	10	19	10	19	11
Exp 77	16	11	16	11	16	11	16	12
Exp 78	14	14	14	14	14	14	15	14
Exp 79	14	12	14	12	14	12	14	13
Exp 80	12	15	12	15	12	15	13	16
Exp 81	17	12	17	12	17	12	17	13
Exp 82	15	14	15	14	15	15	16	15
Exp 83	15	15	15	15	16	15	16	17
Exp 84	12	15	12	15	13	15	14	16
Exp 85	13	12	13	12	14	13	14	14
Exp 86	13	10	13	10	13	11	14	11
Exp 87	13	9	13	9	14	10	15	10
Exp 88	16	10	16	11	16	12	17	11
Exp 89	19	14	19	14	19	14	20	14
Exp 90	15	11	16	13	16	13	16	13
Exp 91	16	10	16	10	16	11	17	11
Exp 92	18	11	18	11	18	11	18	12
Exp 93	16	10	16	10	16	10	17	12
Exp 94	15	12	15	12	15	13	16	13
Exp 95	13	9	13	9	13	10	14	10
Exp 96	18	12	18	12	18	13	19	13
Exp 97	18	12	18	12	18	13	19	13
Exp 98	17	10	17	10	18	10	18	11
Exp 99	14	12	14	12	14	12	15	12
Exp 100	14	9	14	9	14	10	15	10
Exp 101	13	7	13	7	14	8	15	8
Exp 102	18	9	18	9	18	10	18	11
Exp 103	15	10	15	10	15	10	15	11
Exp 104	16	10	16	10	16	11	17	12
Exp 105	19	10	19	10	19	10	19	11
Exp 106	16	11	16	11	17	11	16	12
Exp 107	14	14	14	14	14	14	15	14
Exp 108	14	12	14	12	14	12	14	13
Exp 109	12	15	12	15	13	15	13	16
Exp 110	17	12	17	12	17	12	17	12
Exp 111	15	14	15	15	16	15	16	15
Exp 112	15	15	15	15	16	16	16	17
Exp 113	12	15	12	15	13	15	14	16
Exp 114	13	12	13	12	13	12	13	13
Exp 115	13	10	13	10	13	10	14	11
Exp 116	13	9	13	9	13	10	15	10
Exp 117	16	10	16	10	16	10	17	11
Exp 118	19	14	19	14	19	14	19	15
Exp 119	15	11	15	11	15	11	16	11
Exp 120	16	10	16	10	16	11	17	11
Exp 121	18	11	18	11	18	11	19	12

Domainwise practice score of mothers

code no	Domain 1 CP (Pretest)	Domain 2 CP (Pretest)	Domain 1 CP (Post test 1)	Domain 2 CP (Post test 1)	Domain 1 CP (Post test 2)	Domain 2 CP (Post test 2)	Domain 1 CP (Post test 3)	Domain 2 CP (Post test 3)
Ctrl 1	14	9	14	9	14	9	14	9
Ctrl 2	17	11	17	11	17	11	17	11
Ctrl 3	11	11	11	11	11	11	11	11
Ctrl 4	10	12	11	12	11	12	11	12
Ctrl 5	14	12	14	12	14	12	14	12
Ctrl 6	15	12	15	12	15	12	15	12
Ctrl 7	18	11	18	11	18	11	18	11
Ctrl 8	19	9	19	9	19	9	19	9
Ctrl 9	15	6	15	7	15	7	15	7
Ctrl 10	13	6	13	6	13	6	13	6
Ctrl 11	14	11	14	11	14	11	14	11
Ctrl 12	15	6	15	6	15	6	15	6
Ctrl 13	21	14	21	14	21	14	21	14
Ctrl 14	18	13	18	13	18	13	18	13
Ctrl 15	18	13	18	11	18	11	18	11
Ctrl 16	17	12	17	12	17	12	17	12
Ctrl 17	16	13	16	13	16	13	16	13
Ctrl 18	20	12	20	12	20	12	20	12
Ctrl 19	16	9	16	9	16	9	16	9
Ctrl 20	15	11	15	11	15	11	15	11
Ctrl 21	16	10	16	10	16	10	16	10
Ctrl 22	15	10	15	10	15	10	15	10
Ctrl 23	14	9	13	9	13	9	13	11
Ctrl 24	14	4	14	4	14	4	14	4
Ctrl 25	14	9	14	9	14	9	14	10
Ctrl 26	17	11	17	11	17	11	17	11
Ctrl 27	11	11	11	11	11	11	11	11
Ctrl 28	10	12	10	12	10	12	10	12
Ctrl 29	14	12	14	12	14	12	14	12
Ctrl 30	15	12	15	12	15	12	15	12
Ctrl 31	18	11	18	11	18	11	18	11
Ctrl 32	19	9	19	9	19	9	19	9
Ctrl 33	15	6	15	6	15	6	15	6
Ctrl 34	13	6	13	6	13	6	13	7
Ctrl 35	14	11	13	11	13	11	14	11
Ctrl 36	15	6	15	6	15	6	15	6
Ctrl 37	21	14	21	14	21	14	21	14
Ctrl 38	18	13	18	13	18	13	18	13
Ctrl 39	18	13	18	13	18	13	19	13
Ctrl 40	17	12	17	12	17	12	17	12
Ctrl 41	16	13	16	13	16	13	16	13
Ctrl 42	20	12	20	12	20	12	20	12
Ctrl 43	16	9	16	9	16	9	16	9
Ctrl 44	15	11	15	11	15	11	15	11
Ctrl 45	16	10	16	10	16	10	16	10
Ctrl 46	15	10	15	10	15	10	15	10
Ctrl 47	14	9	14	9	14	10	14	10
Ctrl 48	14	4	14	4	14	4	14	4
Ctrl 49	14	9	14	9	14	9	14	9
Ctrl 50	17	11	17	12	17	12	17	12
Ctrl 51	11	11	11	11	11	11	11	11
Ctrl 52	10	12	10	12	10	12	10	12
Ctrl 53	14	13	14	13	14	13	14	13
Ctrl 54	15	12	15	12	15	12	15	12
Ctrl 55	18	11	18	11	18	11	18	11
Ctrl 56	19	9	19	9	19	10	19	10
Ctrl 57	15	6	15	6	15	6	15	6
Ctrl 58	13	6	13	6	13	6	13	6
Ctrl 59	14	11	14	11	14	11	14	11
Ctrl 60	15	6	15	6	15	6	15	6

Ctrl 61	21	14	21	14	21	14	21	14
Ctrl 62	18	13	18	13	18	13	18	13
Ctrl 63	18	13	18	13	18	13	18	13
Ctrl 64	17	12	17	12	17	12	17	12
Ctrl 65	16	13	16	13	16	13	16	13
Ctrl 66	20	12	20	12	20	12	20	12
Ctrl 67	16	9	16	9	16	9	16	9
Ctrl 68	15	11	15	11	15	11	15	11
Ctrl 69	16	10	16	10	16	10	16	10
Ctrl 70	15	10	15	10	15	10	15	10
Ctrl 71	14	9	14	9	14	9	14	9
Ctrl 72	14	4	14	4	14	4	14	4
Ctrl 73	14	9	14	9	14	9	14	9
Ctrl 74	17	11	17	11	17	11	17	11
Ctrl 75	11	11	11	11	11	11	11	11
Ctrl 76	10	12	10	12	10	12	10	12
Ctrl 77	14	12	14	12	14	12	14	12
Ctrl 78	15	12	15	12	15	12	15	12
Ctrl 79	18	11	18	11	18	11	18	11
Ctrl 80	19	9	19	9	19	9	19	9
Ctrl 81	15	6	15	6	15	6	15	6
Ctrl 82	13	6	13	6	13	6	13	6
Ctrl 83	14	11	14	11	14	11	14	11
Ctrl 84	15	6	15	6	15	6	15	6
Ctrl 85	21	14	21	14	21	14	21	14
Ctrl 86	18	13	18	13	18	13	18	13
Ctrl 87	18	13	18	13	18	13	18	13
Ctrl 88	17	12	17	12	17	12	17	12
Ctrl 89	16	13	16	13	16	13	16	13
Ctrl 90	20	12	20	12	20	12	20	12
Ctrl 91	16	9	16	9	16	9	16	9
Ctrl 92	15	11	15	11	15	11	15	11
Ctrl 93	16	10	16	10	16	10	16	10
Ctrl 94	15	10	15	10	15	10	15	10
Ctrl 95	14	9	14	9	14	9	14	9
Ctrl 96	14	4	14	4	14	4	14	4
Ctrl 97	14	9	14	10	14	10	14	10
Ctrl 98	17	11	17	11	17	11	17	11
Ctrl 99	11	11	11	11	11	11	11	11
Ctrl 100	10	12	10	12	10	12	10	12
Ctrl 101	14	12	15	12	15	12	15	12
Ctrl 102	15	12	15	12	15	12	15	12
Ctrl 103	18	11	18	11	18	11	18	11
Ctrl 104	19	9	19	10	19	10	19	10
Ctrl 105	15	6	15	6	15	6	15	6
Ctrl 106	13	6	13	6	13	6	13	6
Ctrl 107	14	11	14	11	14	11	14	11
Ctrl 108	15	6	15	6	15	6	15	6
Ctrl 109	21	14	21	14	21	14	21	14
Ctrl 110	18	13	18	13	18	13	18	13
Ctrl 111	18	13	18	13	18	13	18	13
Ctrl 112	17	12	17	12	17	12	17	12
Ctrl 113	16	13	16	13	16	13	16	13
Ctrl 114	20	12	20	12	20	12	20	12
Ctrl 115	16	9	16	10	16	10	16	10
Ctrl 116	15	11	15	11	15	11	15	11
Ctrl 117	16	10	16	10	16	10	16	10
Ctrl 118	15	10	15	10	15	10	15	10
Ctrl 119	14	9	14	9	14	9	14	9
Ctrl 120	14	4	14	4	14	4	14	4
Ctrl 121	14	9	14	9	14	9	14	9
Ctrl 122	17	11	17	11	17	11	17	11
Ctrl 123	11	11	11	11	11	11	11	11
Ctrl 124	10	12	10	12	10	12	10	12
Ctrl 125	14	12	14	12	14	12	14	12
Ctrl 126	15	12	15	12	15	12	15	12
Ctrl 127	18	11	18	11	18	11	18	11
Ctrl 128	19	9	19	9	19	9	19	9
Ctrl 129	15	6	15	6	15	6	15	6
Ctrl 130	13	6	13	6	13	6	13	6
Ctrl 131	14	11	14	11	14	11	14	11
Ctrl 132	15	6	15	6	15	6	15	6
Ctrl 133	21	14	21	14	21	14	21	14

Demographic data of mothers

CODE NO.	Gender of Child	age of child ??	Age of Child	wt of child(Kg) ??	Wt of Child(Kg)	aAge of mother (Yr)	Age of Mother (Yr)	Mother Education	Mother Occupation	Father Education	Father Occupation	Family Income Per Month	Family Dietary Pattern	Family Type	No of Children In Family	Exposure of Previous Teaching	Sources of Information
Ctrl 1	2	2.5	2	9	2	29	3	3	1	3	1	4	2	3	3	0	0
Ctrl 2	1	4.6	4	20	4	30	3	2	1	3	3	5	2	2	2	0	0
Ctrl 3	1	3.6	3	12.5	3	37	5	2	1	3	3	5	2	1	4	0	0
Ctrl 4	2	4	3	13	3	27	3	4	1	4	3	5	1	1	3	0	0
Ctrl 5	1	2.6	2	7.5	2	32	4	3	4	3	1	4	1	1	3	0	0
Ctrl 6	2	3.6	3	12	3	35	4	4	1	3	1	4	1	1	3	0	0
Ctrl 7	1	2	1	8	2	32	4	3	1	3	3	5	2	2	2	0	0
Ctrl 8	2	3.6	3	12	3	35	4	4	1	3	1	4	1	1	3	0	0
Ctrl 9	1	4.3	4	14	3	25	2	4	4	4	3	5	1	1	2	1	1
Ctrl 10	1	2	1	10	2	25	2	4	1	4	2	5	2	2	1	1	1
Ctrl 11	2	3.5	3	10.5	2	35	4	4	1	1	1	3	2	2	2	0	0
Ctrl 12	1	4.3	4	10	2	32	4	1	1	2	1	4	2	1	3	0	0
Ctrl 13	2	3.6	3	13	3	24	2	4	1	4	3	5	1	2	1	0	0
Ctrl 14	1	4	3	12	3	29	3	4	4	4	3	5	1	1	2	1	1
Ctrl 15	1	3	2	13	3	26	3	4	4	4	3	5	1	1	2	0	0
Ctrl 16	1	1	1	7	2	23	2	4	1	4	2	5	1	2	3	1	1
Ctrl 17	2	2	1	3	1	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 18	2	3	2	8.5	2	30	3	4	4	4	4	5	1	2	3	0	0
Ctrl 19	1	4.6	4	20	4	30	3	2	1	3	3	5	2	2	2	0	0
Ctrl 20	2	2	1	8	2	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 21	2	1	1	8	2	27	3	2	1	3	4	5	2	1	3	0	0
Ctrl 22	1	1	1	8	2	28	3	4	1	4	4	5	2	1	1	0	0
Ctrl 23	2	2	1	8	2	25	2	4	4	4	2	5	2	2	1	1	1
Ctrl 24	1	2.3	2	9	2	23	2	4	1	3	1	4	1	1	2	0	0
Ctrl 25	1	4	3	12.5	3	32	4	4	3	3	1	4	1	1	3	0	0
Ctrl 26	1	4	3	18	4	25	2	3	1	4	3	4	2	2	2	0	0
Ctrl 27	1	2	1	10	2	25	2	4	1	4	2	5	2	2	1	1	1
Ctrl 28	2	2	1	8	2	30	3	2	1	4	1	4	1	1	4	0	0
Ctrl 29	1	2	1	10	2	20	1	4	1	4	1	4	2	1	1	0	0
Ctrl 30	1	4	3	18	4	25	2	3	1	4	3	4	2	2	2	0	0
Ctrl 31	2	4.3	4	12	3	30	3	4	1	2	1	4	2	2	3	0	0
Ctrl 32	2	2	1	8	2	30	3	2	1	4	1	4	1	1	4	0	0
Ctrl 33	2	5	4	16	4	28	3	4	1	4	2	5	1	2	3	0	0
Ctrl 34	1	4	3	12	3	28	3	4	1	4	4	5	1	2	2	0	0
Ctrl 35	2	5	4	20	4	33	4	4	4	4	3	5	1	1	1	1	1
Ctrl 36	1	2	1	8	2	32	4	3	1	3	3	5	2	2	2	0	0
Ctrl 37	1	1.3	1	5.5	1	21	2	4	1	4	3	5	1	1	1	0	0
Ctrl 38	2	4	3	7	2	25	2	3	1	4	4	5	1	2	1	1	1
Ctrl 39	1	4.6	4	20	4	30	3	2	1	3	3	5	2	2	2	0	0
Ctrl 40	1	3	2	13	3	32	4	3	1	3	3	5	2	1	4	0	0
Ctrl 41	1	3	2	13	3	32	4	3	1	3	3	5	2	1	4	0	0

Ctrl 42	1	4	3	12	3	28	3	4	1	4	4	5	1	2	2	0	0
Ctrl 43	2	2	1	8	2	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 44	1	2.3	2	9	2	23	2	4	1	3	1	4	1	1	2	0	0
Ctrl 45	1	4	3	12	3	28	3	4	1	4	4	5	1	2	2	0	0
Ctrl 46	2	3.6	3	13	3	24	2	4	1	4	3	5	1	2	1	0	0
Ctrl 47	2	3	2	9	2	29	3	2	1	2	3	4	1	2	2	0	0
Ctrl 48	2	4	3	7	2	25	2	3	1	4	4	5	1	2	1	1	1
Ctrl 49	1	2	1	9	2	24	2	3	1	3	3	5	2	2	1	1	2
Ctrl 50	1	3.6	3	12.5	3	37	5	2	1	3	3	5	2	1	4	0	0
Ctrl 51	2	2	1	8	2	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 52	2	3	2	8.5	2	30	3	4	4	4	4	5	1	2	3	0	0
Ctrl 53	1	4	3	14	3	32	4	3	1	3	1	5	2	2	2	0	0
Ctrl 54	1	1	1	8	2	28	3	4	1	4	4	5	2	1	1	0	0
Ctrl 55	1	3	2	13	3	26	3	4	4	4	3	5	1	1	2	0	0
Ctrl 56	1	4	3	14	3	32	4	3	1	3	1	5	2	2	2	0	0
Ctrl 57	2	1	1	8	2	27	3	2	1	3	4	5	2	1	3	0	0
Ctrl 58	1	1.3	1	5.5	1	21	2	4	1	4	3	5	1	1	1	0	0
Ctrl 59	2	5	4	16	4	28	3	4	1	4	2	5	1	2	3	0	0
Ctrl 60	2	2	1	8	2	25	2	4	4	4	2	5	2	2	1	1	1
Ctrl 61	1	4.3	4	10	2	32	4	1	1	2	1	4	2	1	3	0	0
Ctrl 62	1	2.2	2	8.5	2	25	2	4	4	2	1	3	1	1	2	0	0
Ctrl 63	1	4.3	4	14	3	25	2	4	4	4	3	5	1	1	2	1	1
Ctrl 64	2	5	4	15	3	23	2	2	1	3	3	4	2	2	1	0	0
Ctrl 65	2	1	1	7	2	24	2	2	1	3	1	4	1	1	2	0	0
Ctrl 66	2	4.3	4	12	3	30	3	4	1	2	1	4	2	2	3	0	0
Ctrl 67	1	3	2	13	3	26	3	4	4	4	3	5	1	1	2	0	0
Ctrl 68	1	3	2	12	3	27	3	3	1	4	3	5	1	2	2	1	1
Ctrl 69	1	1.6	1	8.5	2	25	2	2	1	2	3	4	2	3	2	0	0
Ctrl 70	1	3	2	13	3	32	4	3	1	3	3	5	2	1	4	0	0
Ctrl 71	1	1.6	1	8.5	2	25	2	2	1	2	3	4	2	3	2	0	0
Ctrl 72	1	2	1	10	2	25	2	4	1	4	2	5	2	2	1	1	1
Ctrl 73	1	3	2	12	3	26	3	4	4	4	2	5	1	1	1	1	1
Ctrl 74	1	2	1	10	2	25	2	4	1	4	2	5	2	2	1	1	1
Ctrl 75	1	3	2	13	3	32	4	3	1	3	3	5	2	1	4	0	0
Ctrl 76	2	3.9	3	8	2	26	3	3	4	3	1	4	2	2	2	0	0
Ctrl 77	1	1.6	1	3.5	1	26	3	3	1	3	1	4	2	2	2	0	0
Ctrl 78	1	1.3	1	5.5	1	21	2	4	1	4	3	5	1	1	1	0	0
Ctrl 79	1	3.6	3	12.5	3	37	5	2	1	3	3	5	2	1	4	0	0
Ctrl 80	2	3	2	12	3	29	3	4	4	2	1	3	1	1	3	0	0
Ctrl 81	1	2.5	2	9	2	27	3	4	1	4	4	5	2	1	1	1	1
Ctrl 82	1	3	2	11.5	3	26	3	3	1	3	3	5	2	1	2	0	0
Ctrl 83	2	3	2	10	2	28	3	4	1	4	3	5	1	2	2	1	1
Ctrl 84	2	4	3	13	3	27	3	4	1	4	3	5	1	1	3	0	0
Ctrl 85	1	4	3	18	4	40	5	4	3	3	3	5	2	1	2	0	0
Ctrl 86	2	3.6	3	12	3	35	4	4	1	3	1	4	1	1	3	0	0
Ctrl 87	1	3.6	3	12.5	3	37	5	2	1	3	3	5	2	1	4	0	0
Ctrl 88	1	4.5	4	14	3	27	3	3	1	4	3	4	1	2	2	0	0
Ctrl 89	1	2	1	8	2	32	4	3	1	3	3	5	2	2	2	0	0
Ctrl 90	1	4	3	18	4	25	2	3	1	4	3	4	2	2	2	0	0
Ctrl 91	1	4	3	14	3	32	4	3	1	3	1	5	2	2	2	0	0
Ctrl 92	2	2	1	3	1	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 93	1	1	1	8	2	28	3	4	1	4	4	5	2	1	1	0	0
Ctrl 94	1	4	3	18	4	40	5	4	3	3	3	5	2	1	2	0	0

Ctrl 95	2	1	1	8	2	27	3	2	1	3	4	5	2	1	3	0	0
Ctrl 96	1	3	2	11.5	3	26	3	3	1	3	3	5	2	1	2	0	0
Ctrl 97	1	2	1	10	2	20	1	4	1	4	1	4	2	1	1	0	0
Ctrl 98	2	4.3	4	12	3	30	3	4	1	2	1	4	2	2	3	0	0
Ctrl 99	2	3.6	3	12	3	35	4	4	1	3	1	4	1	1	3	0	0
Ctrl 100	1	1.6	1	8.5	2	25	2	2	1	2	3	4	2	3	2	0	0
Ctrl 101	1	1	1	7	2	23	2	4	1	4	2	5	1	2	3	1	1
Ctrl 102	1	1.3	1	5.5	1	21	2	4	1	4	3	5	1	1	1	0	0
Ctrl 103	1	4	3	13	3	35	4	3	1	3	1	4	1	1	3	0	0
Ctrl 104	2	2	1	3	1	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 105	2	3	2	9	2	29	3	2	1	2	3	4	1	2	2	0	0
Ctrl 106	2	2.5	2	9	2	29	3	3	1	3	1	4	2	3	3	0	0
Ctrl 107	2	5	4	20	4	33	4	4	4	4	3	5	1	1	1	1	1
Ctrl 108	1	4	3	18	4	25	2	3	1	4	3	4	2	2	2	0	0
Ctrl 109	1	4.5	4	14	3	27	3	3	1	4	3	4	1	2	2	0	0
Ctrl 110	1	1.3	1	5.5	1	21	2	4	1	4	3	5	1	1	1	0	0
Ctrl 111	2	3	2	8.5	2	30	3	4	4	4	4	5	1	2	3	0	0
Ctrl 112	2	3	2	12	3	29	3	4	4	2	1	3	1	1	3	0	0
Ctrl 113	1	4	3	14	3	32	4	3	1	3	1	5	2	2	2	0	0
Ctrl 114	2	1	1	7	2	24	2	2	1	3	1	4	1	1	2	0	0
Ctrl 115	1	3	2	12	3	27	3	3	1	4	3	5	1	2	2	1	1
Ctrl 116	2	3.5	3	10.5	2	35	4	4	1	1	1	3	2	2	2	0	0
Ctrl 117	1	4	3	12.5	3	32	4	4	3	3	1	4	1	1	3	0	0
Ctrl 118	1	5	4	12	3	25	2	4	1	4	3	5	1	1	2	1	2
Ctrl 119	1	4.3	4	14	3	25	2	4	4	4	3	5	1	1	2	1	1
Ctrl 120	2	3.6	3	13	3	24	2	4	1	4	3	5	1	2	1	0	0
Ctrl 121	1	5	4	12	3	25	2	4	1	4	3	5	1	1	2	1	2
Ctrl 122	2	3.9	3	8	2	26	3	3	4	3	1	4	2	2	2	0	0
Ctrl 123	2	3	2	10	2	28	3	4	1	4	3	5	1	2	2	1	1
Ctrl 124	1	4.3	4	10	2	32	4	1	1	2	1	4	2	1	3	0	0
Ctrl 125	2	2	1	8	2	24	2	2	1	3	1	4	2	1	3	0	0
Ctrl 126	1	1.6	1	3.5	1	26	3	3	1	3	1	4	2	2	2	0	0
Ctrl 127	2	2	1	12	3	26	3	4	1	4	2	5	1	2	1	1	1
Ctrl 128	2	4.3	4	12	3	30	3	4	1	2	1	4	2	2	3	0	0
Ctrl 129	1	3	2	12	3	27	3	3	1	4	3	5	1	2	2	1	1
Ctrl 130	1	5	4	12	3	25	2	4	1	4	3	5	1	1	2	1	2
Ctrl 131	2	3	2	10	2	28	3	4	1	4	3	5	1	2	2	1	1
Ctrl 132	1	1	1	8	2	28	3	4	1	4	4	5	2	1	1	0	0
Ctrl 133	2	3.5	3	10.5	2	35	4	4	1	1	1	3	2	2	2	0	0

Knowledge and practice score of mothers

code no	K1(A)	K2(A)	K3(A)	K4(A)	K5(A)	K6(A)	K7(A)	K8(B)	K9(B)	K10(B)	K11(B)	K12(B)	K13(B)	K14(B)	K15(B)	K16(B)	K17(B)	K18(B)	K19(C)	K20(C)	K21(C)	K22(C)	K23(C)	K24(C)	K25(C)	P1	P2	P3	P4	
control 1	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	0	1	
control 2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	2	1	
control 3	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2		
control 4	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	2	1	2	
control 5	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	
control 6	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	1	
control 7	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	1	2	
control 8	1	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	1	2	2	2	2	
control 9	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	0	1	
control 10	1	0	0	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	0	0	0	1	1	0	0	2	2	0	1	
control 11	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	1	1	
control 12	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	1	1	
control 13	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	2	2	
control 14	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	
control 15	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	
control 16	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	0	0	2	2	2	2	
control 17	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	0	0	2	2	2	2	
control 18	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	0	0	2	2	2	2	
control 19	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	2	2	2	1	
control 20	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	0	1	0	0	0	0	1	0	0	1	1	2	2	2	
control 21	0	0	1	0	1	0	0	0	1	1	1	1	0	1	1	0	0	1	0	0	1	0	0	1	1	0	2	2	2	
control 22	1	0	1	1	0	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	0	1	0	0	2	1	2	1	
control 23	1	0	1	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	0	1	0	1	0	1	1	2	1	2	
control 24	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	2	
control 25	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	0	1	
control 26	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	2	1	
control 27	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	
control 28	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1	2	1	2	
control 29	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	
control 30	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	1	
control 31	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	1	2	
control 32	1	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	1	2	2	2	2	
control 33	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	0	1	
control 34	1	0	0	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	0	0	0	1	1	0	0	2	2	0	1	
control 35	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	1	1	
control 36	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	1	1	
control 37	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	2	2	
control 38	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	
control 39	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	
control 40	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	0	2	2	2	2	
control 41	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	0	0	2	2	2	2	
control 42	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	0	0	2	2	2	2	
control 43	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	2	2	2	1	
control 44	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	0	1	0	0	0	0	1	0	0	1	1	2	2	2	
control 45	0	0	1	0	1	0	0	0	1	1	1	1	0	1	1	0	0	1	0	1	0	1	1	0	2	2	2	2	2	
control 46	1	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	0	0	1	0	2	1	2	1	
control 47	1	0	1	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	0	1	0	1	0	1	1	2	1	2	
control 48	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	2	
control 49	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	0	1	
control 50	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	2	1	
control 51	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	
control 52	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	2	1	2	
control 53	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	
control 54	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	1	
control 55	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	1	2	
control 56	1	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	1	2	2	2	2	
control 57	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	0	1	
control 58	1	0	0	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	0	0	0	1	1	0	0	2	2	0	1	
control 59	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	1	1	
control 60	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	1	1
control 61	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	2	2	
control 62	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	

control 63	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2		
control 64	1	0	0	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	0	2	2	2	2			
control 65	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	0	0	2	2	2	2			
control 66	1	0	0	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	0	1	0	1	0	0	2	2	2	2			
control 67	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	2	2	2	1			
control 68	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	0	1	0	0	0	1	0	0	1	1	2	2	2			
control 69	0	0	1	0	1	0	0	1	1	1	1	0	1	1	0	0	1	0	0	1	0	0	1	1	0	2	2	2			
control 70	1	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	0	1	0	0	2	1	2	1		
control 71	1	0	1	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	0	1	0	1	0	1	1	2	1	2		
control 72	1	1	1	1	1	1	1	0	0	1	1	0	0	1	0	1	0	1	0	0	1	1	1	1	1	1	1	1	2		
control 73	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	0	1		
control 74	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	2	1		
control 75	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2		
control 76	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1	2	1	2		
control 77	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2		
control 78	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	1		
control 79	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	1	2		
control 80	1	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	1	2	2	2	2		
control 81	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	0	1		
control 82	1	0	0	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	1	0	0	0	1	1	0	0	2	2	0	1	
control 83	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	1	1		
control 84	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	1	1		
control 85	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	2	2		
control 86	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	2	2	2	2	
control 87	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2		
control 88	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	0	2	2	2	2		
control 89	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	0	0	2	2	2	2	
control 90	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	0	0	2	2	2	2		
control 91	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	2	2	2	1	
control 92	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	0	1	0	0	0	0	1	0	0	1	1	2	2	2	2	
control 93	0	0	1	0	1	0	0	1	1	1	1	0	1	1	0	0	1	0	0	1	0	0	1	1	0	2	2	2	2		
control 94	1	0	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	0	1	0	0	2	1	2	1	2		
control 95	1	0	1	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	0	0	1	0	1	0	1	2	1	2	2	
control 96	1	1	1	1	1	1	0	0	1	1	0	0	1	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	2	
control 97	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1	0	0	1	2	0	1	
control 98	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	2	1	1	
control 99	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	2	
control 100	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	2	1	2	
control 101	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	1	
control 102	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	2	2	2	1	
control 103	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	1	2	2	
control 104	1	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	0	1	2	2	2	2	
control 105	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	0	1	1	
control 106	1	0	0	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	1	0	0	1	1	0	0	2	2	0	1	1	
control 107	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	2	2	1	1	1	
control 108	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	1	1	1	
control 109	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	2	2	2	2	2	
control 110	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	2	
control 111	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	2	
control 112	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	1	0	0	2	2	2	2	
control 113	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	2	2	2	2	2	2	
control 114	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	2	2	2	2	2	
control 115	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	0	1	0	0	1	0	0	2	2	2	1	1	
control 116	1	0	0	1	1	1	1	0	1	1	1	0	1	0	1	0	1	0	0	0	0	0	1	0	0	1	1	2	2	2	2
control 117	0	0	1	0	1	0	0	0	1	1	1	1	0	1	1	0	0	1	0	0	1	0	0	1	1	0	2	2	2	2	2
control 118	1	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	0	0	1	0	0	2	1	2	1	1
control 119	1	0	1	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	0	1	0	1	0	1	1	1	2	1	2	2
control 120	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	0	1	0	1	0	0	1	1	1	1	1	1	1	1	2	2
control 121	1	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	0	1	2	0	1	1	1
control 122	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	2	1	2	2
control 123	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2	1	2	1	2
control 124	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	2	1	2	2
control 125	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1	2	1	2	2
control 126	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	1	1
control 127	1	0	0	1																											

P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19
0	2	2	2	2	2	0		1	1	1	2	2	2	0
1	2	2	1	1	2	2	1	2	1	1	2	2	1	1
1	2	0	0	0	1	1	1	2	1	1	2	2	1	1
0	2	0	1	0	0	1	1	2	1	2	2	2	1	1
0	2	0	1	2	2	1	1	2	1	2	2	2	1	1
0	2	0	1	1	2	2	1	2	2	1	2	2	1	1
2	0	2	2	1	2	2	1	2	1	1	1	2	2	1
2	0	2	2	1	2	2	1	1	0	1	2	2	2	0
2	0	2	2	1	1	2	1	1	0	0	2	1	1	0
2	0	2	2	1	1	0	1	1	0	0	2	1	1	0
2	0	2	0	1	2	1	1	2	2	2	2	1	1	0
2	0	2	2	2	1	1	1	1	2	1	1	0	0	0
2	2	2	2	1	2	2	2	2	2	2	2	2	1	1
0	2	1	2	1	2	2	2	2	2	1	2	2	1	1
0	2	1	2	1	2	2	2	2	2	1	2	2	1	1
1	2	0	1	1	2	2	2	2	1	2	2	1	1	1
0	2	1	1	0	2	2	2	2	1	2	2	1	1	2
2	2	2	2	1	2	1	1	2	2	1	2	1	2	1
1	2	1	1	1	2	1	1	1	0	2	2	1	1	1
1	1	0	2	1	2	1	2	1	2	1	0	2	1	2
1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
2	1	1	2	2	0	1	1	2	1	1	1	1	2	1
1	2	1	1	2	1	0	2	1	0	1	2	1	1	1
1	1	2	1	1	2	1	1	0	1	0	1	0	1	0
0	2	2	2	2	2	0		1	1	1	2	2	2	0
1	2	2	1	1	2	2	1	2	1	1	2	2	1	1
1	2	0	0	0	1	1	1	2	1	1	2	2	1	1
0	2	0	1	0	0	1	1	2	1	2	2	2	1	1
0	2	0	1	2	2	1	1	2	1	2	2	2	1	1
0	2	0	1	1	2	2	1	2	2	1	2	2	1	1
2	0	2	2	1	2	2	1	2	1	1	1	2	2	1
2	0	2	2	1	2	2	1	1	0	0	2	1	1	0
2	0	2	2	1	1	0	1	1	0	0	2	1	1	0
2	0	2	0	1	2	1	1	2	2	2	2	1	1	0
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0	2	1	2	1	2	2	2	2	2	1	2	2	1	1
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1	2	0	1	1	2	2	2	2	1	2	2	1	1	1
0	2	1	1	0	2	2	2	2	1	2	2	1	1	2
2	2	2	2	1	2	1	1	2	2	1	2	1	2	1
1	2	1	1	1	2	1	1	1	0	2	2	1	1	1
1	1	0	2	1	2	1	2	1	2	1	0	2	1	2
1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
2	1	1	2	2	0	1	1	2	1	1	1	1	2	1
1	2	1	1	2	1	0	2	1	0	1	2	1	1	1
1	1	2	1	1	2	1	1	0	1	0	1	0	1	0
0	2	2	2	2	2	0		1	1	1	2	2	2	0
1	2	2	1	1	2	2	1	2	1	1	2	2	1	1
1	2	0	0	0	1	1	1	2	1	1	2	2	1	1
0	2	0	1	0	0	1	1	2	1	2	2	2	1	1
0	2	0	1	2	2	1	1	2	1	2	2	2	1	1
0	2	0	1	1	2	2	1	2	2	1	2	2	1	1
2	0	2	2	1	2	2	1	2	1	1	1	2	2	1
2	0	2	2	1	2	2	1	1	0	1	2	2	2	0
2	0	2	2	1	1	2	1	1	0	0	2	1	1	0
2	0	2	2	1	1	0	1	1	0	0	2	1	1	0
2	0	2	2	1	1	0	1	1	0	0	2	1	1	0
2	0	2	0	1	2	1	1	2	2	2	2	1	1	0
2	0	2	2	2	1	1	1	2	2	2	2	1	0	0
2	2	2	2	1	2	2	2	2	2	2	2	2	1	1
2	2	2	2	1	2	2	2	2	2	2	2	2	1	1
0	2	1	2	1	2	2	2	2	2	1	2	2	1	1

