

BIO DATA OF DR. ABHAY BANG

- 1) **Name** : Dr. Abhay Bang
- 2) **Date of Birth** : 23rd September 1950
- 3) **Address** : SEARCH, PO & DIST : Gadchiroli, (Maharashtra) 442 605, INDIA
Phone : 91-8275780316, 91-9422150966 (Cell), E-mail : search.gad@gmail.com
- 4) **Current Position** : Director, SEARCH (Society for Education, Action and Research in Community Health)
- 5) **Educational Qualifications** :
 - M.B.B.S. (1972) Nagpur University, India
 - M.D. (Medicine) (1977) Nagpur University, India
 - M.P.H. (1984) Johns Hopkins University, U.S.A.
- 6) **Academic Achievements** :
 - First Position in University, M.B.B.S. and M.D.
 - Three Gold Medals in M.B.B.S.
 - First in All India Competition for M.D. Selection at Postgraduate Institute, Chandigarh (1974)
 - M.P.H. at the School of Public Health, Johns Hopkins University, Baltimore (1984) with 3.96/4 (99%) grade point average.

7) **Work** :

Dr. Abhay Bang grew up in the Sevagram Ashram of Mahatma Gandhi. He was inspired by the social ideals, and trained in India (MD) and at the Johns Hopkins School of Public Health, (MPH). He was a top notcher in the University and won 3 Gold Medals. Along with his wife Dr. Rani Bang, he founded the voluntary organization, SEARCH, (Society for Education, Action and Research in Community Health) 35 years ago in one of the most underdeveloped districts, Gadchiroli, in the state of Maharashtra in India, where they have been working with the people in 150 villages to provide community-based health care and conduct research. They have developed village health care program which has now become a nationally and internationally famous model. It has influenced the health policy in India and globally at least thrice. They first brought to the notice of the world that rural women had a large hidden burden of gynecological diseases.

Dr. Abhay Bang showed how the pneumonia in children can be managed in villages, and how newborn care can be delivered in villages. This work has reduced the IMR to 30 in this area.

The Home-based Newborn Care approach management of neonatal sepsis developed by him has pioneered a new approach relevant and crucial for the developing countries. This field trial was published in the Lancet in 1999, and subsequently included as one of the Vintage Papers from the Lancet (2005). Home-based Newborn Care has been replicated in several countries and has now become a national program of the Govt. of India.

800,000 CHWs have been trained for providing it. He has led the designing of the training and training of national and state trainers in India.

He also studied the problem of hidden child mortality in Maharashtra and subsequently launched a programme – Ankur – to reduce child mortality in the State.

They have established the famous community health care and research center 'Shodhagram' in the tribal area.

They have led a campaign against alcohol which led to introduction of prohibition in Gadchiroli district, and influenced the State policy.

He and his team has studied the Burden of tobacco in Gadchiroli and shown its huge cost.

He and his team has developed a district plan to control alcohol and tobacco in Gadchiroli, in collaboration with the Govt. of Maharashtra (2015-----).

They have started a new youth initiative, called NIRMAN to sensize and inspire youth in Maharashtra to turn to solving social problems.

He has written 2 books of which माझा साक्षात्कारी हृदयरोग is extremely popular in Maharashtra. It has received the State literary award.

Both of them were members of the National Commission on Population, Govt. of India, and several national and international committees.

Both of them were honoured with the highest honour of the state government 'Maharashtra Bhushan'.

The TIME magazine selected them as the 'Global Health Heros' (2005)

He has received Hon D. Sc and Hon D. Lit. from four universities.

The major research includes

1. The first ever community-based estimate of the magnitude of gynaecological problems in rural women (1989) which paved the way for the international policy shift to women's reproductive health.
2. Developing surveillance system to record births and deaths, and determine causes of death in children.
3. Field trial of ARI control by using VHWs and TBAs (1998-90)
4. Developing a simple device – Breath Counter, to enable illiterate TBAs diagnose pneumonia in children. (1990)
5. Participatory action-research against alcohol leading to a mass movement and change in the government policy. (1988-93)
6. Studies on reproductive health problems in males (1992-95).
7. Studies on burden of health problems in home-cared neonates (1995-96).
8. A five year field trial of home-based neonatal care to reduce neonatal mortality (1993-98).
9. Two year longitudinal multisite study of child mortality in Maharashtra (1998-2000).
10. Multisite replication of Home-based Newborn Care (2001-2006)

11. Prevalence of tobacco consumption and household expenditure in Gadchiroli (2009-10)
12. Community-based estimation of the burden of back pain and pain in musculo-skeletal system (2009-10)
13. Field trial of Home-based maternal care (2008-11)

8) **Awards and Honors :**

1. **D.Sc. Degree** from Pravara Institute of Medical Sciences (Deemed to be University), Loni, Dist. Ahmednagar (2020)
2. **JRD Tata award** by Ratan Tata from Population Foundation of India, New Delhi (2020)
3. **Degree of Literature (D.Litt.)** Honoris Causa from Maharashtra University of Health Sciences, Nashik at Mumbai by Hon. Chief Minister Maharashtra (2019)
4. **Shahu, Phule, Ambedkar, Award** (2019)
5. **Mrudgandh Puraskar**, Vitthal Umap Foundation, Mumbai (2018)
6. **Lifetime Achievement Award**, OPPI, Mumbai (2018)
7. **Life Sadhana Gaurav Award**, Gondwana University, Gadchiroli (2018)
8. **'Healthcare Humanitarian Award'**, from Federation of Indian Chambers of Commerce & Industry (FICCI), New Delhi (30th Aug 2018)
9. **Padma-Shri** Award by the Ministry of Home Affairs, Govt. of India (2018)
10. **Iconic Changemaker award** from Finance and Corporate Affairs Minister, Arun Jaitley, at the BusinessLine Changemakers Awards in New Delhi (2018)
11. **Aadarniy P.D.Patil Maharashtra Bhushan Purskar**, Karad (2017)
12. **Life Time Achievement Award** Navabharat Health Care Summit, Mumbai by Hon'ble Chief Minister (2017)
13. **Sahyadri Lifetime Achievement Award**, Sahyadri Pratisthan Maharashtra, Pune (2017)
14. **Janseva Puraskar** Late Nemgonda Dada Patil, Sangli (2017)
15. **Public Health Champion Award** for outstanding contribution to public health in the country from WHO India (2016)
16. **Vidarbha Bhushan Award** from Vidarbha Samaj Sangh, Mumbai (2016)
17. **Dr. Gujar Award** of the Maharashtra Aarogya Mandal, Hadapsar, Pune (2016)
18. **IMC Juran Quality Medal 2015** from IMC Ramkrishna Bajaj National Quality Award Trust, Mumbai (2016)
19. **Civil Liberties Award** from Nani A Palkhiwala Memorial Trust, Mumbai (2016)
20. **Doctorate Honoris Causa** from Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPIMS), Lucknow (2015)

21. **Social Award of Krantisingh Nana Patil** from Krantisingh Nana Patil Lokvidyapeeth, Vita Dist : Sangali (2015)
22. **Honorary D.Litt.** from Tilak Maharashtra Vidyapeeth, Pune (2015).
23. **Desasnehi Award** from India Development Foundation, Bangalore (2014)
24. **Kesharilalji Bordia Smruti Sanman** from Jeevan Rakshak Charitable Trust, Udaipur (2014)
25. **Sanjeevani Sanman**, from Sahyadri Doodarshan, Mumbai (2014)
26. **2012 Distinguished Alumnus Award** Department of International Health, Johns Hopkins Bloomberg, School of Public Health, Baltimore, USA (2013)
27. **The Society of Scholars** elected from The Johns Hopkins University, U S A (2013)
28. **Babasaheb Ambedkar Daleet Mitra Puraskar** (2013)
29. **Dr. Narendra Dhabholkar Smruti Award**, Satara (2013)
30. **Manawata Puraskar**, Sooryodaya Trust Indore, (2013)
31. **Dr. Mokshagundam vishweshwaraiya Puraskar** from Sub Ordinate Engineers Association, Gadchiroli (2013)
32. **Baba Amte Manavata Puraskar** from Vidyarthi Sahayyak Samiti, Warora (2013)
33. **'Prerana Poonj Sanman'** from Vichar Veethee, Vidarbha Hindi Sahitya Sanmelaan, Nagpur (2012)
34. **'Pulotsava'** Gratitude Award, Pune (2012)
35. D.B. Ratnappanna Kumbhar **'Samaj Bhushan'** Award, Jaisingpur (2012)
36. **'Abhijeetdada Kadam Humanitarian' Award** from Abhijeet Dada Kadam Memorial Foundation, Pune (2012)
37. **'Professional Excellence Award'** behalf of the Academy of Medical Sciences, Nagpur (2012)
38. **'Anna Hazare Samaj Ratna'** Puraskar, Adarsha Mahavidyalaya and Pragati Vidhyalaya, Badlapur Dist : Thane (2011)
39. **CNN-IBN Life time achievement** Award from Reliance Foundation (2011)
40. **Swastha Bharat Sanman**, from Zee News and LIC, New Delhi (2011)
41. **'Jaitai Matru Gaurav'** Puraskar, Shri Jaitai Temple Committee, Wani (2011)
42. **'Jeevan Sadhana' Award**, from Nagpur University Nagpur (2011)
43. **'Vocational Excellence' Award** of Rotary Club Dist. 3030 at Nagpur (2011)
44. **'Swami Rama Humanitarian' Award** from Himalayan Institute Hospital Trust, Dehra Dun (2010)
45. **'Dory Storms' Child Survival Recognition Award** from CORE Group Washington (2010).

46. **'Jewel of Maharashtra' Award** from State DNL Summit 2010 in association with Zee 24 Tass & Govt. of Maharashtra, Mumbai (2010)
47. **Freedom-fighter Dada Undalkar Social Award** from Dada Undalkar Smarak Samitee, Undale Ta. Karad Dist Pune (2010)
48. **'Samajik Gaurav Puraskar'** from U R L Foundation, Mumbai (2010)
49. **'Jeevan Gaurav'** Puraskar from Haware Foundation, Mumbai (2010)
50. **'Bapu'** Award from Gandhi National Memorial Society, Pune (2009)
51. Save the Children, **US award for global contribution** to saving newborns and children.(2004)
52. **MacArthur Foundation International Award** for creative and social work. (2006)
53. **'Maharashtra Bhushan Puraskar'**, The highest honour from the Govt. of Maharashtra (2003)
54. In 2005, selected as a **Global Health Hero** by the **TIME magazine**, USA.
55. **Qimpro Award** of Qimpro Platinum Standard national Statesman for Quality – Health Care from Qimpro Foundation, Mumbai (2008)
56. **Marotrao Dhule Smruti Puraskar**, Newase (2008)
57. **'Prerana Puraskar'** Late Bhausahab Dhamankar, Shantiwan (2009)
58. **'National Character Award'** from Charitrya Pratisthan, Pune (2009)
59. **'Maitri Puraskar'** from Maitri Pariwar Sanstha, Nagpur (2007)
60. **'Spirit of Mastek Award'** for exemplary work that has helped reduce child deaths at Gadchiroli, from Mastek Limited, Mumbai, (Dec. 2005)
61. **'Anandmai Puraskar'** from Late Deenanath Mangeshkar Pratisthan, Mumbai, (2005)
62. **'Navratna Puraskar'** from Doordarshan Sahyadri Channel, Mumbai (2005)
63. **'Pariwartanwadi' Award**, Dr. Shivram Mali Public Act, Kolhapur (2007)
64. **'Alert Citizen' Award** from Citizen Forum Maharashtra, Nagpur (2006)
65. **'Bhai Ghanaiya' Award** from Red Swastik Society, Mumbai (2005)
66. **Devi Ahilyabai Holkar Puraskar** from Shri Ahilyotsava Samitree, Indore, (2004)
67. **Dr. Sheshadri Gold medal** and Prize of the Indian Council of Medical Research for outstanding contribution to community medicine in India (1996)
68. **Dr. James Tong award** of the Voluntary health Association of India to SEARCH for being the outstanding voluntary institution in India. (1999)
69. **Mahatma Gandhi Award** (1994)
70. State Award as **"Adivasi Sevak"** by the Government of Maharashtra for health care and research in tribal area (1987)

71. **Satpal Mittal Award for Population** – by the Indian Association of Parliamentarians, New Delhi. (2002)
72. **The State Award for De-addiction** – Government of Maharashtra. (2001)
73. **Diwaliben Mehta Award**, Mumbai, 7th January 2004
74. **'Lokshikshak'** Puraskar Late Pandurang Apte Guruji Smarak Trust (2004)
75. **'Prabhat Puraskar'**, for social work, Late V. Shantaram trust (2003)
76. **Rajiv Gandhi Award**, Mumbai (2003)
77. **The State award for literary writing** on science – the Marathi book on "My Enlightening Heart Disease". Nov. 2001.
78. **Yashwantrao Chavan Pratisthan Award** for the year 2000 for the outstanding contribution to rural development in Maharashtra.
79. **Vivekanand Manava Sewa Award**, Pune, (2002)
80. **Ramshastri Prabhune Puraskar** for social justice – Satara, (2002)
81. **Sant Bal Award** for humanitarian service, Ahmedabad 2000
82. **Sahitya Samrat** Na. Chi. Kelkar Literary award. (2000)
83. **Shri Anant Bhalerao Pratisthan** (Augangabad) Puraskar, (2000)
84. **Late. Vinaykumar Parashar Smruti Puraskar**, Akola (2001)
85. **Natu Foundation Award**, (1996)
86. Selected as **'The couple of the year 1996'** for the annual issue of the national magazine 'The Week'. (1996)

9) **Important Committee Positions (Present and past)**

1. Member of the Central Health Council, the apex body of the MOH & FW, Govt. of India.
2. Chairman, Expert Committee on Tribal Health, Ministry of Health & FW Govt. of India (2013-2018)
3. Member, Audit Advisory Board, CAG, Govt. of India. (2014-2017)
4. Member, High Level Committee on Tribal People in India Ministry of Tribal Affairs, Govt. of India (2013-14)
5. Member, High Level Expert Group on Universal Health Coverage in India. The Planning Commission, Govt. of India (2010-12)
6. Member, Mission Steering Group, National Rural Health Mission, Ministry of Health and F W, Govt. of India (2008-2014)
7. Member, High Level Committee on Balanced Regional, Development, Govt of Maharashtra (2011-13)
8. Member, National ASHA Mentoring Group, Ministry of health & FW, Govt. of India (2007-)

9. Member, Committee on Alcohol and its control in Chandrapur, Govt. of Maharashtra (2011-12)
10. Chairman, Advisory Group on Training of ASHA in Home-based Newborn care, Ministry of Health & FW, Govt. of India (2005)
11. Member, the High Level Committee under the chairmanship of the Chief Secretary, Govt of Mah. (2005 till date)
12. Member, Tribal Advisory Council, Govt of Maharashtra (1996 – till date)
13. Chairman, Child Death Evaluation Committee, Government of Maharashtra. (Dec. 2003 – March 2005)
14. Member, The National Commission on Population, Govt. of India (2000-2005)
15. Member, 'National Commission on Macroeconomics and Health', Govt. of India. (2004)
16. Member, Governing Board, National Population Stabilisation Fund, India. (2003-2006)
17. Member, Steering Committee, Tropical Disease Research, World Health Organisation, Geneva. (2002-2004)
18. Member, Advisory Board, Saving Newborn Lives Initiative Save the Children, USA (2002 -05).
19. Member, Project Review Committee, ICMR research project on young infant, (2003-2011)
20. Member, Scientist Advisory Board, Indian Council of Medical Research, New Delhi. (1998-2000)
21. Member, Committee on 'Improving Birth Outcome in Developing Countries' constituted by the Global Board on Health, National Academy of Science, U.S.A. (2000-2002.)
22. Member, National Expert Group on Health for planning the 10th National Five Year Plan, Govt. of India (2001-2002)

10) Experience :

A) Public Health

- 1) Director, SEARCH, working in remote and tribal district, Gadchiroli, 1985 onward, conducting epidemiologic and operation research in primary health care, providing health care to 1,00,000 rural and tribal population, Training of health workers: Mass education and mass action on issues such as alcoholism and alcohol policy, deforestation, tribal development.
- 2) Areas of research - Child mortality in rural areas

- Acute Respiratory Infections in children.
- Neonatal health care in rural areas.
- Sexually Transmitted Diseases
- Tribal health
- Women's reproductive health
- Alcohol and alcoholism
- Tobacco
- Backache
- Maternal Health

- 3) Initiated and led public movement against alcohol in Gadchiroli district since 1988, which finally has spread to entire Maharashtra.
- 4) Established a de-addiction centre for alcohol addicts in Gadchiroli district.
- 5) Chief executive (2 years) and Founder member of voluntary Organisation 'Chetana – Vikas'. Worked for rural development and community health for 6 years (1977-83), including issues of rural employment, minimum wages to rural labourers based on nutrition requirements.
- 6) Member of Scientific Advisory Board and Scientific Advisory Committee of Indian Council of medical Research.
- 7) Member expert committee on 'Reorganisation of primary health Centres and Rural Hospitals', Govt. of Maharashtra 1994.
- 8) Consultant to WHO and Govt. of India on Programme for control of Acute Respiratory Infections in Children.
- 9) Member, Expert Committee on health Care and Water Supply, Department of Science and Technology, Govt. of India, 1987.
- 10) Conducted sample survey of Sickle Cell Disease in Gadchiroli district, 1987.
- 11) Coordinated study of Lathyrism in Rewa district, 1979.
- 12) Member of team which evaluated the Family Planning Programme in Uttar Pradesh for the Govt. of India. (1985)
- 13) Worked for relief and research in population involved in Bhopal gas exposure. (1984)
- 14) Member, Steering Committee on Research on Tropical Diseases, WHO, Geneva.

B) Clinical Experience

- 1) Consulting physician SEARCH and Civil Hospital Gadchiroli, 1986 to 2011.

- 2) Hon. Consulting physician, Civil Hospital, Wardha, 1979-1983.
- 3) Registrar, Dept. of Medicine, Medical College, Nagpur, 1976-77.
- 4) Residency in Medicine (1 year) and Pediatrics (1/2 year) (1974-76)

11) Other Involvements

- 1) Convener, Maharashtra Rajya Darumukti Sampark Samiti 1994.
- 2) Founder member of Medico Friend Circle, an all India Organisation of socially conscious doctors and health persons, 1974 onwards.
- 3) Editor, Medico-Friend Circle Bulletin, 1978-1980
- 4) Founder Member and Trustee, ACHAN (Asian Community Health Action Network), 1980 onwards
- 5) Trustee, LOCOST – an experiment in good quality essential drugs supply at low cost.
- 6) Involved in various social movements in relation to Forest and Environmental conservation, tribal development, movement against liquor, land distribution and Sarvodaya movement, Minimum wages and employment for landless labourers in Maharashtra, Youth for social change.

12) Publications.

1. Bang AA, Bang AT, Bang R, Deshmukh M, Soni K, Baitule S. Reduced incidence of maternal health conditions associated with the home-based newborn care intervention package in Rural Gadchiroli, India: a 13 years before – after comparison. ***Journal of Global Health Reports***.:e2021108.
2. Bang AA, Bhojraj SY, Deshmukh M, et al. Healthcare seeking behavior for pain in back and extremities in rural population: a community-based estimation of treatment seeking, types and choice of care giver during a period of twelve months in rural Gadchiroli, India. ***Journal of Global Health Reports***. 2022;5:e2021001.
3. Bang A, Deshmukh M, Baitule S, Duby J; Decline in the Incidence of Neonatal Sepsis in Rural Gadchiroli, India During the Twenty-one Years (1998-2019) Following the Home-based Neonatal Care Field-trial: ***The Pediatric infectious disease journal***. Nov 2021
4. Bang AA, Bhojraj SY, Deshmukh M, Kalkotwar S, Joshi VR...2 more ; Economic burden of pain in back and extremities in the adult population: a community-based estimate in rural Gadchiroli, India : ***Journal of Global Health Reports***;18 Jun 2021.

5. Behera P, Munshi H, Kalkonde Y, Deshmukh M, Bang A : Control of scabies in a tribal community using mass screening and treatment with oral ivermectin -A cluster randomized controlled trial in Gadchiroli, India. **PLoS Negl. Trop. Dis.** 15(4): (2021) e0009330. <https://doi.org/10.1371/journal.pntd.0009330>
6. Joshi VR, Bang AT, Bhojraj SY, et al. Clinical pattern and prevalence of rheumatic diseases among adults: a community-based cross-sectional study in rural Gadchiroli, India. **Journal of Global Health Reports.** 2021;5:e2021040. doi:10.29392/001c.22240
7. Editorial Commentary – (If) Tribal Children’s Lives Matter, Measure Them ! Abhay Bang .**Indian Pediatrics**; 15, January 2021
8. Effect of home-based newborn care on neonatal and infant mortality: a cluster randomised trial in India. Rasaily R, Saxena NC, Bang AT, et al. **BMJ Global Health** 2020;5:e000680. doi:10.1136/ bmjgh-2017-000680
9. Faced with today’s crisis, ‘what would Gandhi do?’ Abhay Bang : **The Lancet**; 18 June 2020
10. Kalkonde Y, Jadhao S, Deshmukh M, Sen Gupta S, Bang A; Gaps in secondary prevention among stroke survivors in rural Gadchiroli, India: a community-based cross-sectional study Wellcome **open research**; Jan 2020
11. Malnutrition among Tribal People. Dr. Abhay Bang. **Seminar Magazine -730**: June 2020
12. Kalkonde Y, Deshmukh S, Gokhale C, Jacob M, Bang A - Stroke Happens Suddenly so It Cannot Be Prevented: A Qualitative Study to Understand Knowledge, Attitudes, and Practices about Stroke in Rural Gadchiroli, Maharashtra, India. **Journal of neurosciences in rural practice** 11(1):53-62; Jan 2020
13. Primary Care 2030: Creating an Enabling Ecosystem for Disruptive Primary Care Models to Achieve Universal Health Coverage in Low- and Middle-Income Countries. Schwarz D, et al. **Annals of Global Health.** 2020; 86(1): 9, 1–5. DOI: <https://doi.org/10.5334/aogh.2471>
14. Kalkonde Y, Deshmukh M, Nila S, Jadhao S, Bang A -Effect of a community-based intervention for cardiovascular risk factor control on stroke mortality in rural Gadchiroli, India: study protocol for a cluster randomised controlled trial. *Trials* (1):76423; 20Dec 2019
15. Meeting the Mahatma; Dr. Abhay Bang; **Indian J Med Res 149 (Supplement)**, January 2019, pp 49-55 DOI:10.4103/0971-5916.251657
16. A prospective study of causes of death in rural Gadchiroli, an underdeveloped district of India (2011-2013); Yogeshwar Kalkonde, Mahesh Deshmukh, Sujay Kakarmath,

- Jyoti Puthran, Vaibhav Agavane, Vikram Sahane, Abhay Bang; **Journal of Global Health Reports** (2019)
17. Rethinking community based strategies to tackle health inequities in South Asia; Zulfiqar A Bhutta, Abhay Bang, Kaosar Afsana, et al; **BMJ**, November 2018; 363: k4884.
 18. Status of insecticide resistance in *An. culicifacies* in Gadchiroli (Maharashtra) India : Gyan Chand, Priyamadhava Behera, Abhay Bang & Neeru Singh. **Pathogens and Global Health**, Oct 2017: DOI: 10.1080/20477724.2017.1378836.
 19. Comprehensive review of the evidence regarding the effectiveness of community-based primary health care in improving maternal, neonatal and child health: 8. summary and recommendations of the Expert Panel : Robert E Black, Carl E Taylor, Shobha Arole, Abhay Bang, Zulfiqar A Bhutta et al. **Journal of Global Health**, June 2017. Pp 203-223.
 20. Indigenous and tribal peoples' health (The Lancet–Lowitja Institute Global Collaboration): a population study. Ian Anderson, Bridget Robson, Michele Connolly, Fadwa Al-Yaman, Espen Bjertness, Alexandra King, Michael Tynan Richard Madden, Abhay Bang et al : **The Lancet**. April 20, 2016; S0140-6736(16)00345-7
 21. Anderson I, Bang A, Bjertness E, Connolly M, King A...- Indigenous and tribal peoples' health - Authors' reply. **The Lancet** Dec 2016 388(10062):2868
 22. High Prevalence of Stroke in Rural Gadchiroli, India : A Community-Based Study. Yogeshwar V Kalkonde, Vikram Sahane, Mahesh D Deshmukh, Sindhu Nila, Pitchaiah Mandava, Abhay Bang. **Neuroepidemiology** 2016;46;235-239
 23. Model for Addressing Inequities in Child Health: **Inequity in Maternal and Child Health**, Abhay Bang. Edited by : Leela Visaria, Deepak Saxena pp 30-39
 24. Health insurance, assurance, and empowerment in India. Bang A. **The Lancet** 2015;386:2372-73.
 25. Bang AT, Deshmukh M - Simplified antibiotic regimens for neonatal sepsis-- **AFRINEST**. Oct 2015Lancet 386(10001):1338-1339
 26. Bang A, Deshmukh M -Community-based management of neonatal infections: New field trials. **The National medical journal of India** 28(4):191-193: Jul 2015
 27. Stroke Is the Leading Cause of Death in Rural Gadchiroli, India: A Prospective Community-Based Study. Kalkonde YV, Deshmukh MD, Sahane V, Puthran J, Kakarmath S, Agavane V, Bang A. **Stroke**. 2015 Jul;46(7):1764-8. doi: 10.1161/STROKEAHA.115.008918. Epub 2015 May 21.

28. Universal Access to Effective Antimicrobials : An Essential Feature of Global Collective Action against Antimicrobial Resistance: Nils Daulaire, Abhay Bang, Goran Tomson, Joan N. Kalyango, and Otto Cars : **The Journal of Law, Medicine & Ethics**, SS; Vol. 43.2; Summer 2015. pp.17-21.
29. Healthcare Seeking Behavior for Back and Joint Pain in Rural Gadchiroli, India: a Population-Based Cross-Sectional Study : Sona A Deshmukh, Yegeshwar V Kalkonde, Mahesh D Deshmukh, Anand A Bang, Abhay T Bang : **Indian Journal of Community Medicine**, Oct. 2014; Vol. 39; Issue 4: pp 229-234.
30. Barriers to Malaria Control among Marginalized Tribal Communities : A Qualitative Study : Radhika Sundararajan, Yogeshwar Kalkonde, Charuta Ghale, P. Gregg Greenough, Abhay Bang : **PLoS One**; Dec 2013
31. Tobacco Vs Development, Private Spending on Tobacco in Gadchiroli, District : Santosh Sawalkar, Mahesh Deshmukh, Yoeshwar Kalkonde, Dharav Shah, Abhay Bang : **Economics Political Weekly**; Feb 2012
32. Setting implementation research priorities to reduce preterm births and stillbirths at community level : Asha George, Mark Young, Abhay Bang, Kit Yee Chan, Igor Rudan, Cesar G. Victora, Mickey Chopra, Craig Rubens and the GAPPS expert group on community based strategies and constraints* : **Plos Medicine** 2010.
33. Neonatal resuscitation in low-resource settings: What, who, and how to overcome challenges to scale up ? : **International Journal of Gynecology & Obstetrics** : October 2009; Vol. 107 Supplementary 1: pp S47-S64.
34. 60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths ? **International Journal of Gynecology & Obstetrics** : October 2009; Vol. 107 Supplementary 1: pp S89-S112.
35. Simple Clinical Criteria to Identify Sepsis or Pneumonia in Neonates in the Community Needing Treatment or Referral : **The Pediatric Infectious Disease Journal** : April 2005; Vol. 24; No. 4 : pp. 335-341.
36. Background of the Field Trial of Home-based Neonatal Care in Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S3-S10
37. Methods and the Baseline Situation in the Field Trial of Home-Based Neonatal Care in Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S11-S17.
38. The Incidence of Morbidities in a Cohort of Neonates in Rural Gadchiroli, India : Seasonal and Temporal Variation and a Hypothesis About Prevention : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S18-S28.

39. Why Do Neonates Die in Rural Gadchiroli, India ? (Part I) : Primary Causes of Death Assigned by Neonatologist Based on Prospectively Observed Records : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S29-S34.
40. Why Do Neonates Die in Rural Gadchiroli, India? (Part II) : Estimating Population Attributable Risks and Contribution of Multiple Morbidities for Identifying a Strategy to Prevent Deaths : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S35-S43.
41. How to Identify Neonates at Risk of Death in Rural India : Clinical Criteria for the Risk Approach : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S44-S50.
42. Reduced Incidence of Neonatal Morbidities : Effect of Home-based Neonatal Care in Rural Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S51-S61.
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