

# Dr. Razia Kaniz Fatima MBBS MSc Epidemiology MPH PhD.

Email [drraziafatima@gmail.com](mailto:drraziafatima@gmail.com)

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## Profession

Medical doctor ,Epidemiologist / Public Health Specialist

## Skills Summary

### Administrative Skills

Executive management of the common management unit as National coordinator

### Technical

- ◆ MS Office
- ◆ SPSS
- ◆ STATA for Statistical Analysis
- ◆ Epi data for data entry and analysis
- ◆ Health Mapper WHO Software
- ◆ ArcGIS for spatial analysis
- ◆ EPI Info
- ◆ Professional Presentations
- ◆ Publications in Peer Reviewed Journals
- ◆ Read & Write English, Urdu

### Professional Experience

I am a medical doctor ,Public health specialist and Epidemiologist. My expertise spanning over 20 years includes administrative Role ,project management , implementing research in communicable and non communicable diseases, surveillance & data management, Grant management, and research training.I started my career from primary health care in 2002 .Currently I am at executive role of National coordinator at The Common Management Unit to manage TB ,HIV AIDS and Malaria with 68 publications in peer reviewed journals and conference papers. I am also current Chair TB section The International Union against TB and Lung Diseases Paris France.

### Current Employment details :

#### **National Coordinator Common management unit to manage TB HIV AIDS and Malaria BPS Grade 20**

Key Roles include Head of Institution looking after TB , HIV AIDS and Malaria control activities in the country.

Responsible for managing The Global Fund Grant of worth 338 million starting from Jan 2024.

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Principal recipient of Funds at the institution with Stewardship to disburse finances to provinces as per allocation and subsequent reporting to the donors for the results framework according to set targets in the form of programmatic and financial reports every quarter and biannually.

Lead Technical working groups for three diseases with inclusive approach to engage implementers and academia to draft strategies for the control of three diseases.

Implementation of case based disease surveillance for three diseases in the country.

IBBS Survey currently going on and TB Prevalence survey preparations completed also malaria indicator survey is planned soon.

Led the dissemination of National , regional and provincial strategic plans for Tuberculosis in the country for next three years 2024-26.

Provincial coordination and partners collaborations with WHO, USAID, UNAIDS , UNDP and civil society organisations for the successful disease control strategies including monitoring and evaluation.

Lead collaborator for research consortium in the country with various partners and international universities.

Looking after supplementary grants from USAID , TIFA , WHO etc for TB HIV AIDS and Malaria Responsible for high level discussions for END TB and HIV response in the country.

Task force lead for three diseases for guidelines and strategic planning.

Direct liaison with ministry for the policy level decisions for disease control.

Donor coordination and partnership lead

Lead for Budget reviews ,reprogramming and programmatic reviews for three diseases

**Worked as Acting TB Advisor since 28<sup>th</sup> Oct 2022 till 22<sup>nd</sup> November on additional charge and Chief Research & Surveillance The Common management Unit (TB , HIV/AIDS Malaria) from Jan 2018 ongoing in Research Department CMU.**

Major responsibilities and achievements are as below

- Led as focal person with National and International consultants for the Global Fund Grant GC7 Grant for 2024-26 worth 181 million with international consultant focusing on TB Care and Prevention, DR TB, Public Private Mix, TB HIV , TB co morbidity TB Diabetes and TB Mental health and community rights and Gender aspects.
- To coordinate for implementation of TB Grant from the Global fund till 2023 and includes all key interventions related to TB Case finding including TB prevention , MDR TB, Partnership, Grant coordination and implementation with all implementing Partners and a close liaison with other PR Mercy Corps.

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- Country lead for structured operational Research course (SORT IT) implemented in 35 countries across the world.
- Coordinated for PUDR submissions , TRP review , CCM oversight and quarterly meetings , led the development of cascade of meetings and milestones for the GF grant submission including Epidemiological review, Joint program review mission, National and provincial strategic planning and GF grant submission for 2024-26.
- To implement Surveillance and Research in TB , HIV/AIDS and Malaria as team lead and to look after Research and surveillance including electronic and paper based National data capture.
- To coordinate and review various reporting channels for TB Data including WHO TME for Global TB report , PBS, Ministry etc.
- Advise federal and provincial Governments through CMU for the Research and Surveillance Priorities for TB, HIV AIDS and Malaria.
- To Participate in grant writing such as Global Fund Grant writing , C19RM funding and many others to promote work for END TB Strategy including multisectoral engagement and Epidemiological Reviews for TB and National Strategic plans and Global Fund application.
- To publish research papers in International Peer reviewed journals and to provide contribution as reviewer in well known journals such as Plos One, Global Health action, F1000 Research and PHA etc.
- Ensure credibility of M&E and Research Units by providing timely and accurate analysis and feedback on budgets, work Plans and forecasts based on valid data and operational researches along with feedback on grant implementation activities.
- Development framework and budgets for Implementation of case based online MIS systems mainly DHIS 2 across the country in collaboration with WHO and other stakeholders.
- Develop meaningful link between the Research & Surveillance for national data use for policy and evidence generation providing advise to achieve UNHLM Targets , GF targets etc.
- To develop strong Research Network with the National and International Research Institutions including the International Union against TB and Lung diseases and other International Universities and academic Institutes Globally
- Teaching Research Skills through an international standard course on Operational Research SORT IT developed by The Union and WHO TDR from 2016 in Pakistan on TB , HIV,AIDS, Malaria, Hepatitis, diabetes and other chronic diseases. Special SORT IT

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on Mental Health was conducted in 2021 with Institute of Psychiatry on anxiety, depression and diabetes-associated distress in patients living with Type 1 diabetes mellitus, depression in health care workers during COVID 19 and Impact of severe mental illness on quality of life.

- Developed Proposal for COVID 19 Mitigation Grant C19RM through GF for securing 64 million USD , Developed Bill Melinda Gates Foundation grant application for 1,2 million USD focussing on Strengthening Digital health systems for TB in Pakistan.
- Contributed in an International Multicentre controlled Clinical Trial to evaluate a regimen of initial five days of daily Isoniazid alone followed by daily rifampicin, Pyrazinamide and Moxifloxacin for 3 months in the reduction of of treatment duration for pulmonary Tuberculosis from 6 to 3 months ( Rifathree)
- Established linkages with International and national Institutions for research network including University of Bergen Norway, Browns University , University of Mexico , University of London and University of York UK.
- Lunched Telementoring programe ECHO Extended community health care outcome and led six sessions on TB and HIV for doctors this includes didactic sessions which are CME accredited through AKU the success was quoted by MetaECHO Newsletter.
- Supervision of MPH and PhD Students from Health services Academy Islamabad and University of Bergen Norway.
- Country PI for TB Prevalence Survey 2020-11 and TB Inventory studies 2016

## **Designated as Chief Data from Jan 2017 till December 2017 (Head of Research ,M&E and Surveillance) in Research Department CMU**

- Provided Technical assistance to the National and International discussion forums for Research and Surveillance , launched DHIS 2 through collaboration with WHO HQ , GF and University of Oslo and contributed in all data related important meetings with ministry HPSIU, IDSR etc.
- Ensured timely & quality assured data collection, compilation, validation, analysis and reporting.
- Enabling values - supporting the Program leadership in making decisions and facilitating the understanding of program performance based on evidence;
- Preserving values - ensuring quality implementation by providing technical assistance to SRs and continued research related support and guidance to implementation entities at all levels

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- Develop and oversee the operational researches, surveillance and M&E activities.
- Capacity building of NTP, SRs and partners in planning and execution of operational researches and M&E Plan.

## **HEAD OF RESEARCH DEPARTMENT (RESEARCH COORDINATOR) REDESIGNATED AS MANAGER RESEARCH AS PART OF RESTRUCTURING (JUL 1<sup>ST</sup> 2016) WORKING UNDER THE GLOBAL FUND . (JAN 2011 TILL DEC 2016)**

- ◆ Developed Research Priorities for NTP Pakistan and to explore Funding Opportunities such as WHO, Stop TB Partnership , The Global Fund , USAID ,TBREACH ,EU for Research studies in country.
- ◆ Develop Research field monitoring plans in line with National M&E Plans for TB to understand and develop solutions based on practical challenges in field monitoring such as high loss to follow up of Presumptive TB cases, challenges in Public Private mix approach and low proportion for child hood TB cases notified etc.
- ◆ TB Data Surveillance and reporting to WHO including Epi reviews and WHO Task force assignments.
- ◆ Principal Investigator of TB & Tobacco project Consortium with University of York and “The Initiative “ to incorporate Tobacco cessation within TB care facilities. ASSIST Trial and a affiliate Member of ASTRA as global alliance for smokeless Tobacco.
- ◆ TBREACH Programme Steering Group member to make high level recommendations to increase the effectiveness of new funding opportunities.
- ◆ Co chair International Ethics advisory board International Union against Tuberculosis and Lung Disease.
- ◆ Principal implementer of Structural Operational Research Training (SORT IT) course by the Union ,WHO TDR and The Global Fund first time in Pakistan on Paris-Afro-Asian region Model from 2016 onwards and was trained on same in 2010.
- ◆ Written proposals and Conducted Researches on other diseases like Hepatitis C and on assessing the Burden of TB among HIV Patients.
- ◆ Worked as International consultant for Data analysis and Report writing for TB Inventory study in Palestine by WHO EMRO
- ◆ Played a key role in all research related activities like writing grant proposals, abstract writing for submission to IUATLD, review of research articles and submission to journals for publication.

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- ◆ Developed Research Proposal on missing TB cases in National TB Control Program including indirect estimation of TB cases by inventory study and capture recapture analysis and to determine the extent of loss of potential TB suspects in Pakistan.
  - ◆ More than 25 Abstracts selected in World conference arranged by International Union against Tuberculosis and Lung Disease from 2011 till date .
  - ◆ Coordinated a post graduate course with module on comparison of hospitalized vs community based Models of PMDT in conference held in Berlin Germany.
  - ◆ Supervisor of Masters and PhD Students of Health Services academy, Quaed-e-Azam University in Public health, pharmacy and health economics.
  - ◆ Approved PhD Supervisor from Higher Education Commision in Pakistan.
  - ◆ Participated in WHO Country review missions and in report writing.
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## **March 2008 till Dec 2010: National Tuberculosis Control Program (Currently merged with CMU)**

### **Program officer The Global Fund : March 2008 till March 2010 (Research and M&E)**

From 2008 till 2010 I joined National Tuberculosis control Program and was involved with the Grant unit and Research Department under supervision of Research coordinator. The main responsibilities were to write design and Implement Operational Researches on TB and manage and report TB data to WHO and to carry out capacity building in Research in the country. Developing workplan and Budgets and to prepare field monitoring activities as part of Implementation Research.

Filed monitoring , Participation in country reviw missions, data validation and data analysis were part of the functions of Research department and I introduced for the first tme new method of TB Incidence and Burden Estimation based on Capture –Recapture study piloted in 2008-09.

From **April till Dec 2010**, I was Research & Surveillance Officer salaried from WHO Based at National Tuberculosis control Program with responsibilities as mentioned below .

- To Identify and prioritize the issues for operational research in consultation with National and Provincial Programs.
- To develop the research agenda in line with the National TB Control Policy and Stop TB Strategy on key topics like public private Mix and TB HIV and MDR etc.

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- To Provide Technical support to National and Provincial Programs, Academic institutes and other partners for development and implementation of projects addressing TB and related research issues.
- To develop research proposals on prioritized research agenda.
- To Establish and supervise research groups at National and Provincial levels through capacity building; enable a conducive environment for research.
- To Coordinate the dissemination of information generated from research or routine surveillance reports through web sites, reports, newsletters, brochures, as well as update the MOH, Ministry of Planning and WHO about progress of program indicators, objectives and MDG targets.

## **2002 till 2008 : Distric Health Department Rawalpindi (Primary health care and Public health)**

Worked as Women Medical Officer Basic Health Unit Rahmatabad Rawalpindi

Developed a Model TB DOTS centre from 2002 till Feb 2008.

Main responsibilities were to implement primary health care activities including public health and outreach manage a team of 12 health facility employs including 15 outreach Lady health workers , Lady health visitors, DOTS Facilitators , vaccination team and Medical technician. The main services were Public health care, TB DOTS with both diagnostic and treatment services , Maternal and child health , EPI and Preventive health services etc.

The Basic Health Unit was declared as MODEL DOTS centre for research and public health and all international Missions on Public health and TB DOTS were referred to the centre.

On Recognition of Services of Best TB Diagnostic Centre in Basic Health Unit Rahmatabad I was awarded a fellowship by DG WHO Late Dr Jong wook lee in 2006 to do my MSc Epidemiology from University of London Distance learning program and I achieved distinctions in that for statistics. I was affiliated with London school of Hygiene & Tropical medicine on DL Support for my MSc epidemiology and did research and course work as research associate from 2005 till 2008.

Received Departmental appreciation many times for TB DOTS and Public and Health Services during my tenure at the BHU.

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## Education

### ❖ **PhD Public Health**

Awarded with five Publications and field work on Missing TB Cases in Pakistan in affiliation with University of Bergen Norway on Scholarship 2015 ( Duration from Jan2012 till Jan 2015)

### ◆ **MSc. Epidemiology:**

- ◆ Fellowship From WHO
- ◆ London School of Hygiene & Tropical Medicine, University of London UK,
- ◆ Distinction in Statistics

### ◆ **Masters in Public Health:**

- ◆ Sarhad University Islamabad,(2007 till 2009)

### ◆ **Professional Diploma in Hospital Management and Administration :**

- ◆ National University of Science & Technology Rawalpindi, 2004

### ◆ **M. B. B. S:**

- ◆ Distinction of Two Gold Medals
- ◆ Frontier Medical College, Abbottabad, 1996 – 2001.

## Publications

1. R Fatima, M Ul Haq, AYaqoob, N Mahmood, M Osberg, J Makayova, A Hymoff, and Christy Hanson. Delivering Patient-Centered Care in a Fragile State: Using Patient-Pathway Analysis to Understand TuberculosisRelated Care Seeking in Pakistan. The Journal of Infectious diseases Supplement article JID 2017:216 (Suppl 7) • S733;7th November 2017. Cited: 4 , Impact factor: 5.19



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2. Fatima R, Harris RJ, Enarson DA, Hinderaker SG, Qadeer E, Ali K, Bassilli A. Estimating tuberculosis burden and case detection in Pakistan. *The International Journal of Tuberculosis and Lung Disease*. 2014 Jan 1;18(1):55-60. Cited: 37 , Impact factor: 2.76
3. R. Fatima, E. Qadeer, D. A. Enarson, J. Creswell, R. Stevens, S. G. Hinderaker, M. ul Haq: Success of active tuberculosis case detection among high-risk groups in urban slums in Pakistan. *The International Journal of Tuberculosis and Lung Disease* 09/2014; 18(9). Cited: 15 , Impact factor:
4. Fatima R, Qadeer E, Yaqoob A, ul Haq M, Majumdar SS, Shewade HD, Stevens R, Creswell J, Mahmood N, Kumar AM. Extending 'Contact Tracing' into the Community within a 50-Metre Radius of an Index Tuberculosis Patient Using Xpert MTB/RIF in Urban, Pakistan: Did It Increase Case Detection?. *PloS one*. 2016 Nov 29;11(11). Cited:6, Impact factor: 2.76
5. Bassili A, Fitzpatrick C, Qadeer E, Fatima R, Floyd K, Jaramillo E. A systematic review of the effectiveness of hospital-and ambulatory-based management of multidrug-resistant tuberculosis. *The American journal of tropical medicine and hygiene*. 2013 Aug 7;89(2):271-80. Cited: 61 , Impact factor: 2.56
6. Fatima R, Qadeer E, Enarson DA, Hinderaker SG, Harris R, Yaqoob A, Bassili A. Investigation of presumptive tuberculosis cases by private health providers: lessons learnt from a survey in Pakistan. *Public health action*. 2014 Jun 21;4(2):110-2. Cited: 5 , Impact factor: 2.76
7. Qadeer E, Fatima R, Yaqoob A, Tahseen S, Haq MU, Ghafoor A, Asif M, Straetemans M, Tiemersma EW. Population based national tuberculosis prevalence survey among adults (> 15 years) in Pakistan, 2010–2011. *PloS one*. 2016 Feb 10;11(2). Cited: 22 , Impact factor: 2.76
8. Qadeer E, Fatima R, Fielding K, Qazi F, Moore D, Khan MS. Good quality locally procured drugs can be as effective as internationally quality assured drugs in treating multi-drug resistant tuberculosis. *PloS one*. 2015 Apr 29;10(4). Cited: 5 , Impact factor: 2.76
9. Fatima R, Qadeer E, Hinderaker SG, Yaqoob A, Enarson DA, Bassili A, Javed B. Can the number of patients with presumptive tuberculosis lost in the general health services in Pakistan be reduced?. *The International Journal of Tuberculosis and Lung Disease*. 2015 Jun 1;19(6):654-6. Cited: 8 , Impact factor: 2.76
10. Hinderaker SG, Fatima R. Lost in time and space: the outcome of patients transferred out from large hospitals. *Public health action*. 2013 Mar 21;3(1):2. Cited: 1, Impact factor: 2.76
11. Safdar N, Zahid R, Shah S, Fatima R, Cameron I, Siddiqi K. Tuberculosis patients learning about second-hand smoke (TBLASS): results of a pilot randomised controlled trial. *The International Journal of Tuberculosis and Lung Disease*. 2015 Feb 1;19(2):237-43. Cited: 2 , Impact factor: 2.76
12. Safdar N, Zahid R, Shah S, Cameron I, Fatima R, Qureshi H, Siddiqi K. TB patients learning about second hand smoke (TBLASS): a pilot individual randomised controlled trial. *SpringerPlus*. 2013 Dec;2(1):556. Cited: 1, Impact factor: 2.5
13. Fatima R, Ejaz Q, Enarson DA, Bissell K. Comprehensiveness of primary services in the care of infectious tuberculosis patients in Rawalpindi, Pakistan. *Public Health Action*. 2011 Sep 21;1(1):13-5. Cited: 14, Impact factor: 2.76
14. Pirkani GS, Qadeer E, Ahmad N, Razia F, Khurshid Z, Khalil L, Shuib M, Naeem A. Impact of training of religious leaders about tuberculosis on case detection rate in Balochistan, Pakistan. *Journal of the Pakistan Medical Association*. 2006 Sep;1:114. Cited: 5 , Impact factor:0.46

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15. Ahmad G, Qadeer E, Ahmad N, Fatima R, Khursheed Z. Defaulting Rate of TB Patients among Seasonal Migrants (A Case Study of Balochistan). *Journal of the Pakistan Medical Association*. 2006 Sep;7:112. Cited: 0 , Impact factor: 0.46
16. W.Asalam, S. Tahseen, C. Schomotzer, A. Hussain, F. Khanzada, M. ul Haq, N. Mahmood, R. Fatima, E. Qadeer EH. Gastric specimens for diagnosing tuberculosis in adults unable to expectorate in Rawalpindi, Pakistan. *Public Heal action*. 2017;7(2):242–146. Cited: 2, Impact factor: 2.76
17. B. J. Khan, A. M. V. Kumar, A. Stewart, N. M. Khan, K. Selvaraj, R. Fatima ZS. Alarming rates of attrition among tuberculosis patients in public-private facilities in Lahore, Pakistan. *Public Heal action*. 2017;7(2):127–33. Cited: 3, Impact factor: 2.76
18. Capileno YA, Van Den Bergh R, Donchunk D, Hinderaker SG, Hamid S, Auat R, et al. Management of chronic Hepatitis C at a primary health clinic in the high-burden context of Karachi, Pakistan. *PLoS One*. 2017;12(4). Cited:13, Impact factor:2.76
19. Waheed Y, Khan MA, Fatima R, Yaqoob A, Mirza A, Qadeer E, Shakeel M, Heldal E, Kumar AM. Infection control in hospitals managing drug-resistant tuberculosis in Pakistan: how are we doing?. *Public health action*. 2017 Mar 21;7(1):26-31. Cited: 6 , Impact factor: 2.76
20. Khurshid A, Hinderaker SG, Heldal E, Fatima R, Haq M, Yaqoob A, Ansari A, Anwar K, Qadeer E, Kumar AM. Did “Screeners” Increase Pediatric Tuberculosis Case Notification in Sindh, Pakistan?. *Journal of Tuberculosis Research*. 2017 Feb 8;5(01):81. Cited: 2, Impact factor: 0.76
21. Wali A, Kumar AM, Hinderaker SG, Heldal E, Qadeer E, Fatima R, Ullah A, Safdar N, Yaqoob A, Anwar K, Ul Haq M. Pre-treatment loss to follow-up among smear-positive TB patients in tertiary hospitals, Quetta, Pakistan. *Public health action*. 2017 Mar 21;7(1):21-5. Cited: 3 , Impact factor: 2.76
22. Qadeer E, Fatima R, Haq MU, Yaqoob A, Kyaw NT, Shah S, Das M, Isaakidis P. Yield of facility-based verbal screening amongst household contacts of patients with multi-drug resistant tuberculosis in Pakistan. *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*. 2017 May 1;7:22-7. Cited: 0, Impact factor: 0.87
23. Shakoor S, Tahseen S, Jabeen K, Fatima R, Malik FR, Rizvi AH, Hasan R. Fluoroquinolone consumption and-resistance trends in Mycobacterium tuberculosis and other respiratory pathogens: ecological antibiotic pressure and consequences in Pakistan, 2009–2015. *International journal of mycobacteriology*. 2016 Dec 1;5(4):412-6. Cited: 4, Impact factor: 0.40
24. Latif A, Ghafoor A, Wali A, Fatima R, Yaqoob A, Abdullah Z, Najmi H, Khan NM. Did diabetes mellitus affect treatment outcome in drug-resistant tuberculosis patients in Pakistan from 2010 to 2014?. *Public health action*. 2018 Mar 21;8(1):14-9. Cited: 0, Impact factor: 2.76
25. Contribution of Public Private Mix Models in TB Case Notification and Treatment Outcomes in Pakistan; 2015-16 submitted to IJTLD in Nov 2017 and in process
26. Atif M, Bashir A, Ahmad N, Fatima RK, Saba S, Scahill S. Predictors of unsuccessful interim treatment outcomes of multidrug resistant tuberculosis patients. *BMC infectious diseases*. 2017 Dec;17(1):655. Cited: 0, Impact factor: 2.62
27. Safdar MA, Fatima R, Khan NM, Yaqoob A, Khurshid A, Haq MU, Wali A. Prevalence of Human Immune Deficiency among Registered Tuberculosis Patients across Pakistan during 2013-2015—

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- Prevalence of TB-HIV Co-Infection in Pakistan. *Journal of Tuberculosis Research*. 2018 Mar 6;6(01):96. Cited:0, Impact factor: 0.76
28. Mirza AS, Fatima R, Yaqoob A, Qadeer E, Wali A, Khurshid A, Haq MU, Kumar AM. Enhancing Childhood TB Notifications by Strengthening Linkages with Large Hospitals in Pakistan—Childhood TB in Large Hospitals, Pakistan. *Journal of Tuberculosis Research*. 2018 Mar 6;6(01):63. Cited: 0 , Impact factor: 0.76
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  30. Ashraf R, Naureen F, Noor A, Ilyas J, Fatima R, Yaqoob A, Wali A, Haq MU, Latif A, Hussain S. Does Cash Incentive Effect TB Case Notification by Public Private Mix-General Practitioners Model in Pakistan?. *Journal of Tuberculosis Research*. 2018 May 9;6(02):166. Cited: 2, Impact factor: 0.76
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  34. oeckmann M, Nohavova I, Dogar O, Kralikova E, Pankova A, Zvolska K, Huque R, Fatima R, Noor M, Eley H, Sheikh A. Protocol for the mixed-methods process and context evaluation of the TB & Tobacco randomised controlled trial in Bangladesh and Pakistan: a hybrid effectiveness–implementation study. *BMJ open*. 2018 Mar 1;8(3). Cited: 0, Impact factor: 2.41
  35. Fatima R, Yaqoob A, Qadeer E, Hinderaker SG, Heldal E, Zachariah R, Harries AD, Kumar AM. Building sustainable operational research capacity in Pakistan: starting with tuberculosis and expanding to other public health problems. *Global Health Action*. 2019 Jan 1;12(1). Cited: 0, Impact factor: 1.90
  36. Kurd SA, Wali A, Fatima R, Yaqoob A, Khan D, Lehri S. Pre-treatment loss to follow-up among patients with rifampicin-resistant tuberculosis in Baluchistan, Pakistan, 2012–17: a retrospective cohort study. *F1000Research*. 2018 Dec 7;7. Pubmed index
  37. Habib H, Fatima R, Achakzai AB, Wali A, Yaqoob A, Najmi H, Haq MU, Majeed A. Two parallel reporting systems for malaria surveillance in Pakistan, 2013–17: is exact burden reflected?. *F1000Research*. 2018 Dec 28;7. Pubmed index
  38. Hussain M, Fatima R, Qasim Z, Yaqoob A, Wali A, Abbasi S, Tahseen S. Is the public-private mix approach increasing tuberculosis case notification in Azad Jammu and Kashmir, Pakistan? A cross-sectional study. *F1000Research*. 2019 Jan 9;8. Pubmed index

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40. Shah Z, Khan MA, Najmi H, Fatima R, Yaqoob A, Ghafoor A, et al. Assessment of Retreatment Tuberculosis Cases amongst All Tuberculosis Cases Notification in District Swat 2015-2017: A Retrospective Cohort Review. *J Tuberc Res. Scientific Research Publishing*; 2019 Jan 16;07(01):11–8. Recently published , Impact factor: 0.76
41. Ameen A Malik, Junaid Fuad, Sara Siddiqui, Farhana Amanullah, Maria Jaswal, Zainab Barry PMDCP, Farhat Jabeen, Razia Fatima, Courtney M Yuen, Naseem Salahuddin, Aamir J Khan, Salmaan Keshavjee, Mercedes C Becerra, Hamidah Hussain, TB Preventive Therapy for individuals exposed to drug-resistant tuberculosis: feasibility and safety of a community-based delivery of fluoroquinolone-containing preventive regimen, *Clinical Infectious Diseases*, , ciz502, <https://doi.org/10.1093/cid/ciz502>
42. Fatima RK. Peer Review Report For: Screening tuberculosis patients for diabetes mellitus in a routine program setting in Kampala, Uganda: a cross-sectional study [version 2; peer review: 2 approved]. *F1000Research* 2019, **8**:872 (<https://doi.org/10.5256/f1000research.22880.r54934>)
43. Razia Fatima, Aashifa Yaqoob, Kamran Siddiqi, Omara Dogar, Sarwat Shah, Aamer Ikram, Assessing Tuberculosis among Smokers: Secondary Analysis of an Active Case Finding Project January 2019 *Journal of Tuberculosis Research* 07(04):246-252 DOI: [10.4236/jtr.2019.74024](https://doi.org/10.4236/jtr.2019.74024)
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## Membership & Fellowship

- ◆ Chair TB section The Union against TB and Lung Diseases co chair Ethics Advisory Group The Union.
- ◆ Visiting Senior Research Fellow Department of Health Sciences University of York
- ◆ Member TB and Multimorbidity network and IMPACT consortium on TB and Mental health country capacity co lead for IMPACT NIHR
- ◆ Program Steering Group member TBREACH Stop TB Partnership Geneva 2016 till date
- ◆ Member International Union against Tuberculosis & Lung Diseases.
- ◆ Fellowship for Msc Epidemiology from LSHTM by WHO EMRO in 2006-08

## Training & Workshops/ meetings

- ◆ National strategic plan dissemination to all provinces and regions ministries held in Jan 2023.
- ◆ TB innovation using radiology and AI held in Manila in March 2023 and regional dialogue on UNHLM TB commitments.

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- ◆ Chaired the Technical working group in HIV for the programmatic updates including TB and HIV as priority agenda.
- ◆ Led the CG7 New Grant for the country in all Cascade including Epidemiological review , Joint program review NSP and PSP preparations and Grant writing with international consultants.
- ◆ Facilitated Training of Trainers for Monitoring and Evaluation held in Islamabad o=in March 2023 with Support of USAID JSI.
- ◆ Facilitated TB Epidemiological review from 15<sup>th</sup> till 26<sup>th</sup> August 2022 with a detailed analysis of Data Trends and in depth review of TB Surveillance system.
- ◆ Work Package 1 co lead for ImProving Outcomes in Tuberculosis patiEnts by iNTEgrating dIAbetes prevention and Management in tubercuLosis care package.
- ◆ Facilitated Training on TPT TB Organised By WHO in August 2022.
- ◆ Co PI Assessment of Clinically Diagnosed TB in Pakistan in collaboration with The GF and KIT.
- ◆ Participated in Global TB webinar on global synthesis of TB epidemiological reviews on 30<sup>th</sup> September.
- ◆ Participated in Consultation on the Framework for collaborative action on TB and Comorbidities, 5-6 October 2021
- ◆ Conducted SORT IT Training workshop 2021 module 1 and 2 on protocol writing and data analysis for the common management unit and IOP (Institute of Psychiatry for 2021)
- ◆ Engaged in C19RM grant writing and was able to secure 69million for the country including key activities for Tuberculosis including MAF TB and case based DHIS2 for TB electronic notification.
- ◆ Participated on multisectoral meeting on health security and preparedness organized by NIH and CHG Global health team.
- ◆ Successfully completed Training workshop on Implementation Research for digital technologies in support of Tuberculosis care ( 23<sup>rd</sup>-27<sup>th</sup> November 2020) from WHO TDR,CDC China
- ◆ Lead collaboration between Chinese Anti TB Association and participated in eSymposium 2020: TB Prevention and Control during the COVID-19 pandemic. In December 2020 and in webinar on 15<sup>th</sup> July.
- ◆ Active member of The Union since 2008 and presented 15 posters and 10 oral presentations.
- ◆ Participated in SAARC pre-board meeting for National Managers TB and HIV sept 2020
- ◆ Implemented community Led Training of mid level managers on HIV testing in Oct 2019
- ◆ Successfully concluded 4<sup>th</sup> National Course on Structured operational Research Training Initiative in Islamabad SORT IT and trained 40 researchers till now.
- ◆ Represented country in Strategic Avsisory Board STAG WHO and provided country updates 11<sup>th</sup> till 15<sup>th</sup> June 2019



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- ◆ Launched the International TB and Tobacco Trial results as Country PI at EU consortium from 29<sup>th</sup> July till 2<sup>nd</sup> August in Chzek Republic.
- ◆ Participated The Peoples Framework workshop with the National TB Control program provinces and Partners in Jan 2019
- ◆ Implemented Structured operational Research Training SOR in the country with representation from member states in Dec 2018
- ◆ Represented Pakistan as success story for the SORT IT course in Joint Coordinating Board meeting TDR Geneva in June 2018
- ◆ Represented Pakistan in the Global Impact Measurement Task force in Glion Geneva from 1-4<sup>th</sup> May 2018 to present Pakistan DHIS 2 implementation and Child TB Inventory study
- ◆ Facilitated in Data analysis and use workshop on DHIS 2 implementation in April 2017.
- ◆ Facilitated and led SORT IT Structures training workshops in Pakistan on proposal development, epidata and manuscript preparation (three modular) from 2016 till date
- ◆ Facilitated and presented the TB Session in 8<sup>th</sup> Annual Public Health conference Health Services academy.
- ◆ Paediatric TB care Consultations in September 2016 to improve Paediatric TB Case notification in country based on results from Paediatric Inventory study Pakistan 2016.
- ◆ TBREACH partners Consultative meeting Geneva in June 2016 to discuss future funding 2016
- ◆ WHO Impact measurement Task force meeting Geneva to link with END TB strategy May 2016
- ◆ Principal Implementor of SORT IT international Operational Research course on Paris-AFRO-ASIA model in Pakistan in March –April 2016.
- ◆ STAG TB and End TB workshop Geneva June 2015, and again attended STAG in 2016
- ◆ Advanced TB Research Methods and New Diagnostic Course in Montreal July 2015.
- ◆ Facilitated Workshop on TB Inventory studies in five countries in Bali Indonesia and lead facilitator for Indonesia for TB Inventory study in 2014.
- ◆ Facilitated TB Sessions in Health services Academy in Annual Public Health Conferences from 2011 till date.
- ◆ Participation for National Consultations for National M&E Plan at NTP.
- ◆ Member of Ethics Review committee by Health Services Academy for graduate and postgraduate students proposals.
- ◆ Workshop on Demand Forecasting and post 2015 strategy by WHO and Global Fund in Geneva in 2013
- ◆ Workshop on Developing Revised National Strategic Plan by WHO EMRO in Cairo in Dec 2012.
- ◆ Attended Three modular Training workshop on operational Research organized by the international Union against Tuberculosis and Lung diseases held in Paris France from September 2010 to May 2011 (SORT-IT Course).

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- ◆ Replicated the Operational Research workshop on proposal development in 2011 in NTP Pakistan and developed 10 proposals as the outcome.
- ◆ Four basic training attended in University of Bergen Norway as part of enrollment for PhD including Global Health, Statistics, Scientific writing and Bioethics Aug-Dec 2011.
- ◆ Three days workshop on Strengthening the National Surveillance system in Eastern Mediterranean Countries arranged by WHO EMRO in Cairo in 2009
- ◆ Seven Days Workshop in Egypt WHO-EMRO office in Cairo on Data Analysis on Identifying all Cases, a new approach of case detection & incidence of Tuberculosis. in 2008.
- ◆ MDR Symposium in Indus hospital in collaboration with Partners in health and state department USA.
- ◆ One day consultative workshop on TB Stigma by National Tuberculosis control program and Nuffield institute of research 2008.
- ◆ One day workshop in Pakistan Medical and Research Council on TB Research activities of National Tuberculosis Control Program 2009.
- ◆ Contributed in the International Review mission for TB DOTS implementation in rural health centres and PPM activities in a private clinic with inspection of Drug Stores and ware house in Kasur, Patoki and Lahore in Punjab Province 2009.
- ◆ Four days workshop on M & E Plan in Mercy Corps office to review and Formulate M & E draft Plan and System Strengthening Tool 2008.
- ◆ Attended consultative meeting on M & E Plan with stakeholders and Preparation of detailed report to be sent to The Global Fund 2008.

## Achievements

1. Lead for the TB Epidemiological review from 15<sup>th</sup> to 24<sup>th</sup> November in coordination with WHO TME department.
2. Editor for the Journal of Tropical Medicine and Infectious Diseases for the special issue The Operational research and capacity building to strengthen health systems for tackling Public Health Emergencies.
3. Involved in COVID 19 Reponse mechanism funding by the GF and secured 69million USD funding for the CMU in July 2021.
4. TDR News Coverage featured the success to build operational Research capacity building in Pakistan leading this international level course in Pakistan since 2016. Also the success was featured on TDR Global [Dr. Razia Fatima featured on TDR Global's compendium | Centre for International Health | UiB](#)
5. Received Scholarship for PhD by the University of Bergen Norway and selected in a highly competitive process based on academic achievements and experience in TB Research.

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6. International collaborations with University of Bergen Norway , John Hopkins USA , LSHTM UK, University of York UK, McGill University Canada, University of LEEDS UK and Chinese Anti TB Association.
7. Reviewer of Research Articles by International Journals such as IJTLD, Plos One , F1000 Research , Elsevier, The Lancet Child & Adolescent Health etc.
8. Award of Fellowship from WHO EMRO for MSc Epidemiology from London School of Hygiene and Tropical Medicine as an appreciation for my dedication in TB DOTS Implementation.
9. Implemented SORT IT Operational Research course in Pakistan as Country lead and chief facilitator from 2016 till current year in collaboration with the Union, MSF, WHO TDR and The Global Fund
10. Introduced the concept of robust surveillance system for TB in the country and contributed in the efforts to facilitate integration for DHIS 2 for TB , Malaria and HIV in the country.
11. Secured major Funding Grant for National TB Control Program for TB REACH project in 2011 and 2013 with successful implementation of the project and A+ Grading in evaluation done by international consultant
12. Contributed in implementation of fourth Pakistan TB Prevalence survey in the country with huge challenges.
13. Successfully implemented the TB inventory study through Capture recapture analysis involving huge private sector of Pakistan in selected twelve districts. The results are Published IN 2014. Same method used for Paediatric TB pioneer around the world under-reporting in 2016.
14. Developed international collaboration of NTP with London School of Hygiene & Tropical Medicine and John Hopkins University USA and University of Bergen.
15. Presented more than 20 posters from 2009 till date in Annual Union Conferences IUATLD
16. Selected for Oral Presentation in Late breakers Session for 39<sup>th</sup> Conference on Lung health by International Union on Tuberculosis and Lung Disease in one of top eight studies on TB research topics and Oral Presentation in 45<sup>th</sup> International Union conference on Active TB case finding experience by Pakistan.
17. Received departmental appreciation from Executive District Officer Health-Rawalpindi for best performance of BMU in TB DOTS implementation in 2002 which was regarded as MODEL DOTS centre in Rawalpindi district.
18. Two Gold Medals in MBBS One for Best Graduate and one for Overall Top Position in Medical College in 2001

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