2019 World Conference on Access to Medical Products: Achieving the SDGs 2030

19-21 November, 2019 | New Delhi, India

PROGRAMME BOOKLET
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Acknowledgements
Access to medicines is a critical factor for success of the 2030 Sustainable Development Goals (SDGs) that aims to ensure healthy lives and promote well-being of all people of all ages. Assuring access to medical products is key to advancing Universal Health Coverage (UHC). The main objective of the Conference is accelerating access to medical products for achieving universal health coverage in the context of SDGs.

The Ministry of Health and Family Welfare, Government of India and World Health Organization would like to thank the following for their support and contribution to the ‘2019 World Conference on Access to Medical Products-Achieving the SDGs 2030’:

- Indian Council of Medical Research
- Translational Health Science and Technology Institute
- Biotechnology Industry Research Assistance Council
- Biotech Consortium India Limited
- Ministry of Culture, Government of India
Working Group Members for Conference

- Dr Mandeep Bhandari, Joint Secretary, Ministry of Health and Family Welfare, Government of India - Chairman (Working Group)
- Dr Manisha Shridhar, Regional Advisor, Intellectual Property Rights and Trade and Health, World Health Organization South-East Asia Regional Office
- Dr Madhur Gupta, Technical Officer-Pharmaceuticals, World Health Organization Country Office for India
- Mr Rajiv Wadhawan, Director, Ministry of Health and Family Welfare, Government of India
- Mr RG Singh, Under Secretary, Ministry of Health and Family Welfare, Government of India
- Dr Alka Sharma, Advisor, Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India
- Dr Gagandeep Kang, Executive Director, Translational Health Science and Technology Institute (THSTI), Department of Biotechnology, Government of India
- Dr R R Gangakhedkar, Scientist G, Indian Council of Medical Research, Government of India
- Dr VG Somani, Drugs Controller General of India, CDSCO, Government of India
- Dr Eswara Reddy, Joint Drugs Controller, CDSCO, Government of India
- Dr K Bangarurajan, Joint Drugs Controller, CDSCO, Government of India
- Dr R Chandrasekhar, Deputy Drugs Controller, CDSCO, Government of India

Conference Secretariat

- Dr Manisha Shridhar, Regional Advisor, Intellectual Property Rights and Trade and Health, World Health Organization South-East Asia Regional Office
- Dr Madhur Gupta, Technical Officer-Pharmaceuticals, World Health Organization Country Office for India
- Dr Purnima Sharma, Managing Director, Biotech Consortium India Limited
- Dr Sanchita Chaudhary, Assistant General Manager, Biotech Consortium India Limited
- Ms Preeti Kharb, Consultant, WHO Country Office for India
- Mr Santhana Krishnan V.S, Drug Regulation Division, Ministry of Health & Family Welfare, Government of India
- Ms Garima Singh, Consultant, World Health Organization South-East Asia Regional Office
- Dr Smriti Chawla, Consultant, Translational Health Science and Technology Institute (THSTI)
- Ms Kanika Dasan, Consultant, World Health Organization South-East Asia Regional Office
- Ms Barkha Budhiraja, Project Executive, Biotech Consortium India Limited

Overall Leadership, Guidance and Useful Inputs

- Ms Preeti Sudan, Secretary, Ministry of Health and Family Welfare, Government of India
- Dr Arun Panda, Secretary, Ministry of Micro Small and Medium Enterprises, Government of India
Mr Arun Singhal, Special Secretary, Ministry of Health and Family Welfare, Government of India
Dr VK Paul, Member, NITI Aayog, Government of India
Dr Renu Swarup, Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India
Dr Balram Bhargava, Secretary, Department of Health Research and Director-General, Indian Council of Medical Research, Ministry of Health and Family Welfare, Government of India
Dr Guruprasad Mohapatra, Secretary, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India
Dr Vaidya Rajesh Kotecha, Secretary, Ministry of AYUSH, Government of India
Mr P D Vaghela, Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India
Dr Anup Wadhawan, Secretary, Ministry of Commerce, Government of India
Mr Ajay Prakash Sawhney, Secretary, Ministry of Electronics and Information Technology, Government of India

World Health Organization
Dr Mariângela Batista Galvão Simão, Assistant Director General for Prequalification and Technology Assessment, World Health Organization
Dr Henk Bekedam, WHO Representative, WHO Country Office for India
Ms Payden, Deputy WHO Representative, WHO Country Office for India
Dr Hilde Renne Susanne De Graeve, Team Leader, Health Systems, WHO Country Office for India
Dr Manisha Shridhar, Regional Advisor, Intellectual Property Rights and Trade and Health, World Health Organization South-East Asia Regional Office
Dr Madhur Gupta, Technical Officer-Pharmaceuticals, World Health Organization Country Office for India

Grateful for overall Support

Ministry of Health and Family Welfare
Honorable Dr Harsh Vardhan, Union Minister, Ministry of Health and Family Welfare, Science & Technology and Earth Sciences, Government of India
Honorable Mr Ashwini Kumar Choubey, Minister of State, Health & Family Welfare, Government of India

World Health Organization
Dr Tedros Adhanom Ghebreyesus, Director-General, World Health Organization
Dr Soumya Swaminathan, Chief Scientist, World Health Organization
Dr Poonam Khetrapal Singh, Regional Director, World Health Organization South-East Asia Region
Conference Objective
Accelerating access to medical products for achieving universal health coverage in the context of Sustainable Development Goals

Specific Objectives
The specific objectives are to:
   a. Explore new approaches in innovation landscape in medical products for achieving Universal Health Coverage and the SDG 2030 goals
   b. Identify regulatory mechanisms for improved access to quality and safe medical products
   c. Discuss the role of intellectual property and current trade agreements to promote access to medical products

Background
A high-level meeting (UN HLM) on universal health coverage (UHC) was convened by the United Nations on 23 September 2019 on: Universal Health Coverage: Moving Together to Build a Healthier World. The event was an outcome of previous UN General Assembly resolutions 72/139 and 73/131. UHC means that all people and communities receive the quality health services they need, without financial hardship. UHC has an impact on many SDGs including the Goal 3 focusing directly on health. For example, Goal 1 (end poverty), Goal 4 (quality education), Goal 5 (gender equality), Goal 8 (decent work and economic growth), Goal 9 (infrastructure), Goal 10 (reduce inequality), Goal 16 (justice and peace), and Goal 17 (partnerships).

WHO embarked on the 13th Global Programme of Work1 (GPW13) for strategic direction in Sustainable Development Agenda 2030 (SDG) for health. The GPW13 is structured around the “triple billion” goal for three strategic priorities for ensuring healthy lives and well-being for all at all ages: achieving universal health coverage (UHC), addressing health emergencies and promoting healthier populations.

Reliable access to effective, safe, quality-assured and affordable medical products (medicines, vaccines, diagnostics, devices) is key to making progress towards UHC and the SDGs.

Access also entails investment in research for new products, especially for health conditions prevalent in low- and middle-income countries. At the same time, public health needs must be protected. In practice, greater capacity to work within intellectual property and competition rules, and use of the TRIPS flexibilities2 would help improve access for medical products.

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1 Thirteenth General Programme of Work 2019–2023 (http://www.who.int/about/what-we-do/gpw-thirteen-consultation/en/)
2 The 1994 Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) focused on patent protection. The 2001 Doha Declaration in WTO emphasized “TRIPS flexibilities” as measures to protect public health.; WHA 61.21: Global strategy and plan of action on public health, innovation and intellectual property
The 72nd session of the World Health Assembly adopted a resolution on improving the transparency of markets for medicines, vaccines and other health products in an effort to expand access. The resolution aims to help Member States make more informed decisions when purchasing health products, negotiate more affordable prices and ultimately expand access to health products for the populations.

Assuring access to medical products is key to advancing UHC. The World Health Assembly adopted decision WHA71(8), which led to roadmap 2019–2023 for access to medicines, vaccines and other health products.

In several recent WHA resolutions it has been recognized that health systems need to promote access to medical products (medicines, vaccines, diagnostics, devices) to ensure universal access to health care, improving transparency, rational use of medical products and the sustainability of health systems. Further, in 2016, the report of the UN Secretary-General’s High-Level Panel on Access to Health Technologies targeted incoherencies between trade and public health objectives.

WHO assists Member states for appropriate access to medical products, including policies on access to generic medicines and innovation; quality-assurance of products through effective regulation and promoting rational use of medical products.

In the WHO South-East Asia Region (SEAR), access to essential medicines is a priority in the Regional Flagship on UHC. Access to medicines has been continuously engaging the Member States in the Region. The WHO SEAR Regional Committee has endorsed ten medicines-related resolutions since 2002, of which four are current. The Health Ministers of the Member States of the WHO SEAR, participating in the 71st session of the WHO Regional Committee for SEAR at New Delhi, India adopted the Delhi Declaration on ‘Improving access to essential medical products in the South-East Asia Region and beyond’.

India’s Contribution
India’s contribution towards access to medical products worldwide is well recognized. India is a major manufacturer of medical products and generics. In vaccine manufacturing regulation, re-benchmarking by a team of international experts convened by WHO in 2017 reaffirmed that the Indian National Regulatory

5 WHA67.20: Regulatory system strengthening for medical products, WHA67.23 Health intervention and technology assessment in support of universal health coverage (UHC), WHA68.7: Global action plan on antimicrobial resistance, WHA69.11: Health in the 2030 Agenda for Sustainable Development, WHA70.7: Improving the prevention, diagnosis and clinical management of sepsis, WHA70.12: Cancer prevention and control in the context of an integrated approach, WHA71.12: Addressing the global shortage of, and access to, medicines and vaccines, WHA71.18: Global strategy and plan of action on public health, innovation and intellectual property. Resolution adopted in 72nd WHA.
6 International trade and health (SEA/RC59/R9); Measures to ensure access to safe, efficacious and affordable medical products (SEA/RC62/R6); National essential drug policy including the rational use of medicines (SEA/RC64/R5); Effective management of medicines (SEA/RC66/R7)
7 Delhi Declaration on ‘Improving access to essential medical products in the South-East Asia Region and beyond’ [https://apps.who.int/iris/bitstream/handle/10665/274331/Delhi-Declaration.pdf?sequence=5&isAllowed=y]
Authority (NRA) is well equipped to produce and monitor safe, effective and quality vaccines. WHO prequalification of Indian manufacturers facilitates supply of vaccines to international agencies for procurement; it is also a major breakthrough for vaccine supplies to low- and middle-income countries. India is engaging in scientific progress and R&D for development of affordable products with supportive technology platforms, network of clinical sites and testing facilities, and health technology innovation for meeting critical health needs.

India is actively promoting regulatory collaboration for access to medical products through the South-East Asia Regulatory Network (SEARN) in the Region.

Organisers
As in previous years, the conference will be jointly organized by the Ministry of Health & Family Welfare (MoHFW) and the World Health Organization, and partners: Indian Council of Medical Research (ICMR); Biotechnology Industry Research Assistance Council (BIRAC), a public sector undertaking of the Department of Biotechnology; and Translational Health Science and Technology Institute (THSTI), an autonomous institute of the Department of Biotechnology, Ministry of Science and Technology, Government of India.

The recommendations made at the two previous World Conferences are being pursued at international and national level by key ministry(ies) in the Government of India.

Access to medical products and creating an enabling legal and trade environment for public health are critical to achieving the SDG Agenda. These issues require regular engagement and dialogue. Given the importance of the agenda, the Honourable Minister of Health, India announced at the 2018 World Conference itself that the 2019 World Conference will be held at New Delhi from 19-21 November 2019.

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## Preliminary Overview Programme

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<td>7:00-08:30</td>
<td>Registration</td>
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<tr>
<td>08:30-10:00</td>
<td>Inaugural Session</td>
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<tr>
<td>10:00-10:30</td>
<td>Tea Break</td>
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<tr>
<td>10:30-12:00</td>
<td>Plenary Session 1</td>
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<tr>
<td></td>
<td>Universal Health Coverage-WHO Triple Billion Targets: Moving Together to Build a Healthier World</td>
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<td></td>
<td>Follow on to the United Nations General Assembly (UNGA) 2019</td>
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<tr>
<td>12:00-13:30</td>
<td>Parallel Session 1</td>
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<td></td>
<td>Roundtable Panel- Updates on Access to Medical Products and Progress from 2nd World Conference on Access to Medical Products-Achieving the SDGs 2030- State Health Ministers, Union Government Secretaries and Principal Secretaries from States</td>
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<tr>
<td>12:00-13:30</td>
<td>Parallel Session 2</td>
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<td>Funding and Investments in Medical Products R&amp;D: Role of Data Tracking Initiatives</td>
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<tr>
<td>13:30-14:30</td>
<td>Lunch</td>
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<tr>
<td>14:30-15:45</td>
<td>Parallel Session 3</td>
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<td>Incentives for Development in Antibiotics, Global AMR R&amp;D Hub</td>
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<td>14:30-15:45</td>
<td>Parallel Session 4</td>
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<td></td>
<td>Controlled Human Infection Model (CHIM) Studies-Regulatory and Ethical Considerations</td>
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<td>15:45-16:15</td>
<td>Tea Break</td>
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<tr>
<td>16:15-17:30</td>
<td>Plenary Session 2</td>
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<td>Health Technology Assessment as a Tool for Evidence Based Decision Making in Healthcare</td>
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<td>Time</td>
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<tr>
<td>17:30-18:00</td>
<td>Wrap Up Plenary Session: Summary of the Plenary and Parallel Sessions</td>
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<td>19:00</td>
<td>Cultural Programme and Dinner</td>
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<td><strong>20 November 2019</strong></td>
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| 09:00-10:30 | Plenary Session 3  
Leveraging Regulatory Networks for Access to Quality, Safe and Affordable Medical Products Including Digital Tools for Strengthening Regulatory Systems |
| 10:30-10:45 | Tea Break                                                             |
| 10:45-12:15 | Plenary Session 4  
Smart Safety Surveillance for Strengthening Pharmacovigilance Systems- Progress Updates and Next Steps |
| 12:15-13:30 | Parallel Session 5  
Moving Towards Smarter Clinical Trials– Changing the Paradigm in the Context of Global and Multi Regional Clinical Trials |
| 12:15-13:30 | Parallel Session 6  
Medical Technology Pathways for Innovative Medical Devices          |
| 13:30-14:30 | Lunch                                                                |
| 14:30-16:00 | Parallel Session 7  
Medical Products for End game for HIV/AIDS, Tuberculosis, Malaria    |
| 14:30-16:00 | Parallel Session 8  
Global Partnerships for Drug Discovery, Innovation and Technology Development: Scaling up Adaptive Technology Solutions for Medical Products |
| 16:00-16:15 | Tea Break                                                             |
| 16:15-17:30 | Plenary Session 5  
Re-purposing of Medicines for Reduced Approval Timeframe, Decreased Costs and Making Use of Existing Data, including issues related to Active Pharmaceutical Ingredients |
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<td>16:15 - 18:30</td>
<td>Workshop on Drug Development: Risk Assessment through Data Analytics</td>
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<td>17:30 - 18:00</td>
<td>Wrap Up Plenary Session: Summary of the Plenary and Parallel Sessions</td>
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<td>21 November 2019 (Thursday)</td>
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<td>09:00 - 10:30</td>
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<td>11:00 - 13:00</td>
<td>Plenary Session 7: Access Strategies, Patent Pool Mechanisms and Licensing for Medical Products and Health Technologies including the Role of Pharmaceutical Sector</td>
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<td>13:00 - 14:00</td>
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<td>14:00 - 15:30</td>
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<td>Regulatory Approaches for Approval of Pharma &amp; Biosimilar Drugs- USFDA, EMA Models</td>
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<td>14:00 - 15:30</td>
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<td>15:30 - 16:30</td>
<td>Plenary Session 8: Closing Session, Summary and Recommendations</td>
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<td>16:30 - 17:00</td>
<td>High Tea</td>
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### Detailed Programme:

#### Tuesday 19 November 2019

**19 November 2019-Tuesday, 7:00-08:30: Registration**

**Inaugural Session- Tuesday, 19 November 2019: 08:30-10:00**

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Dr Mandeep K Bhandari</td>
<td>Joint Secretary, Ministry of Health &amp; Family Welfare, Government of India</td>
</tr>
<tr>
<td>Mr Arun Singhal</td>
<td>Special Secretary, Ministry of Health &amp; Family Welfare, Government of India</td>
</tr>
<tr>
<td>Dr Henk Bekedam</td>
<td>World Health Organization Representative to India</td>
</tr>
<tr>
<td>Dr Renu Swarup</td>
<td>Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India</td>
</tr>
<tr>
<td>Dr Balram Bhargava</td>
<td>Secretary, Department of Health Research and Director-General, Indian Council of Medical Research, Ministry of Health and Family Welfare, Government of India</td>
</tr>
<tr>
<td>Dr Poonam Khetrapal Singh</td>
<td>Regional Director, World Health Organization South-East Asia Region</td>
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<tr>
<td>Dr Arun Panda</td>
<td>Secretary, Health, Ministry of Health and Family Welfare, Government of India</td>
</tr>
<tr>
<td>Dr VK Paul</td>
<td>Member, NITI Aayog, Government of India</td>
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<tr>
<td>Honorable Mr Ashwini Kumar Choubey</td>
<td>Minister of State, Ministry of Health &amp; Family Welfare, Government of India</td>
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<tr>
<td>Dr Tedros Adhanom Ghebreyesusus</td>
<td>Director General, World Health Organization (Video Address)</td>
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<tr>
<td>Honorable Mr Zahid Maleque</td>
<td>Minister of Health and Family Welfare, Ministry of Health and Family Welfare, Government of the People’s Republic of Bangladesh</td>
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<tr>
<td>Honorable Ms Lyonpo Dechen Wangmo</td>
<td>Minister for Health, Ministry of Health, Royal Government of Bhutan</td>
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<tr>
<td>Honorable Mr Upendra Yadav</td>
<td>Deputy Prime Minister and Minister of Health and Population, Ministry of Health and Population, Government of Federal Democratic Republic of Nepal</td>
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*Release of “Position Paper-2019 World Conference on Access to Medical...*
### Products–Achieving the SDGs 2030”


Release of the “National Guidelines for Gene Therapy Product Development and Clinical Trials”

### Honorable Dr Harsh Vardhan, Union Minister, Ministry of Health and Family Welfare, Science & Technology and Earth Sciences, Government of India

### Vote of Thanks by Dr Madhur Gupta, Technical Officer-Pharmaceuticals, WHO Country Office for India

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**19 November 2019-Tuesday, 10:00-10:30: Tea Break**
Tuesday 19 November 2019

Universal Health Coverage and Innovation

19 November 2019-Tuesday, 10:30-12:00: Plenary Session 1: Universal Health Coverage-WHO Triple Billion Targets: Moving Together to Build a Healthier World

Follow on to the United Nations General Assembly (UNGA) 2019

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<td>Tuesday, 10:30-12:00</td>
<td>Universal Health Coverage-WHO Triple Billion Targets: Moving Together to Build a Healthier World Follow on to the United Nations General Assembly (UNGA) 2019</td>
<td>Durbar Ballroom</td>
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**Chair:** Honorable Dr Harsh Vardhan, Union Minister, Ministry of Health and Family Welfare, Science & Technology and Earth Sciences, Government of India

**Co-chair:** Dr VK Paul, Member, NITI Aayog, Government of India

**Special Addresses**

1. Honorable Mr Zahid Maleque, Minister of Health and Family Welfare, Ministry of Health and Family Welfare, Government of the People’s Republic of Bangladesh

2. Honorable Ms Lyonpo Dechen Wangmo, Minister for Health, Ministry of Health, Royal Government of Bhutan


5. Dr Nata Menabde, Executive Director, World Health Organization Office at the United Nations, United States of America- **Moving forward from United Nations General Assembly (UNGA) 2019 on UHC**
19 November 2019-Tuesday, 12:00-13:30: Parallel Session 1: Roundtable Panel- Updates on Access to Medical Products and Progress from 2018 World Conference on Access to Medical Products-Achieving the SDGs 2030- State Health Ministers, Union Government Secretaries and Principal Secretaries from States

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<td>Jehangir Hall</td>
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**Chair:** Honorable Dr Harsh Vardhan, Union Minister, Ministry of Health and Family Welfare, Science & Technology and Earth Sciences, Government of India

**Co-chair:** Honorable Mr Ashwini Kumar Choubey, Minister of State, Ministry of Health & Family Welfare, Government of India; Dr VK Paul, Member, NITI Aayog, Government of India

**Keynote Addresses:**

- Dr Arun Panda, Secretary, Health, Ministry of Health and Family Welfare, Government of India
- Dr Balram Bhargava, Secretary, Department of Health Research and Director-General, Indian Council of Medical Research, Ministry of Health and Family Welfare, Government of India
- Mr PD Vaghela, Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India
- Dr Renu Swarup, Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India

**State Health Ministers**

**Union Secretaries and Principal Secretaries of States**
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<td>Funding and Investments in Medical Products R&amp;D: Role of Data Tracking Initiatives</td>
<td>Durbar Ballroom</td>
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<td><strong>Chair:</strong> Dr Henk Bekedam, WHO Representative to India</td>
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<td><strong>Co-chair:</strong> Dr Michael Cheetham, Manager, Division of International Relations, Fogarty International Centre, National Institute of Health, United States of America</td>
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<td>Dr Michael Cheetham, Manager, Division of International Relations, Fogarty International Centre, National Institute of Health, United States of America- <em>Global Health R&amp;D: What the WorldRePORT Tells Us</em></td>
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<td></td>
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<tr>
<td>1.</td>
<td>Dr Anthony D So, Professor of the Practice and Director, IDEA (Innovation + Design Enabling Access) Initiative, Department of International Health, Johns Hopkins Bloomberg School of Public Health, United States of America- <em>The Role of Transparency in Ensuring Fair Returns from Pharma R&amp;D</em></td>
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<td>2.</td>
<td>Dr Nick Chapman, Chief Executive Officer, Policy Cures Research, Australia- <em>Tracking R&amp;D for Health Security</em></td>
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<td>3.</td>
<td>Dr Harish Iyer, India Country Lead, R&amp;D and Senior Scientific Advisor, Bill &amp; Melinda Gates Foundation, India Country Office- <em>Promoting R&amp;D in Global Health with Industry and in Philanthropy to Accelerate Progress on Diseases</em></td>
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<td>4.</td>
<td>Dr Purnima Sharma, Managing Director, Biotech Consortium India Limited, India- <em>Holistic Approach for Effective Technology Translation</em></td>
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<tr>
<td>5.</td>
<td>Professor Maria Zambon, Director of Reference Microbiology Services, Public Health England- <em>New Childhood Influenza Vaccine Programme in UK: Role of Programme Evaluation</em></td>
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**19 November 2019-Tuesday, 13:30-14:30: Lunch**

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<tr>
<th>Time</th>
<th>Parallel Session 3- Tuesday, 19 November 2019</th>
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</thead>
</table>
| Tuesday, 14:30-15:45 | Incentives for Development in Antibiotics, Global Anti-Microbial Resistance R&D Hub  
**Chair:** Dr Balram Bhargava, Secretary, Department of Health Research and Director-General, Indian Council of Medical Research, Ministry of Health and Family Welfare, Government of India  
**Co-chairs:** Dr Anthony D So, Professor of the Practice and Director, IDEA (Innovation + Design Enabling Access) Initiative, Department of International Health, Johns Hopkins Bloomberg School of Public Health, United States of America  

**Keynote Address**

Dr Anthony D So, Professor of the Practice and Director, IDEA (Innovation + Design Enabling Access) Initiative, Department of International Health, Johns Hopkins Bloomberg School of Public Health, United States of America- *Alternative Production and Delivery Models for Sustainable Access to Antibiotics*

**Panelists**

1. Ms Michelle Childs, Head of Policy Advocacy, Global Antibiotic Research and Development Partnership (GARDP)/ Drugs for Neglected Diseases initiative (DNDi), Switzerland- *Sustainable Financing and Incentives for R&D including GARDP Perspective*

2. Dr David Kaslow, Vice President, Essential Medicines Director, PATH, United States of America- *Incentivizing R&D and Promoting Access*

3. Dr Kamini Walia, Scientist E, Indian Council of Medical Research, Government of India- *Antimicrobial Resistance Surveillance & Research Network in India*

4. Dr Anand Anandkumar, Chief Executive Officer, Bug Works,
## 19 November 2019—Tuesday, 14:30-15:45: Parallel Session 4: Controlled Human Infection Model (CHIM) Studies—Regulatory and Ethical Considerations

<table>
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<tr>
<th>Time</th>
<th>Parallel Session 4—Tuesday, 19 November 2019</th>
<th>Room</th>
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<tbody>
<tr>
<td>Tuesday, 14:30-15:45</td>
<td><strong>Controlled Human Infection Model (CHIM) Studies—Regulatory and Ethical Considerations</strong>&lt;br&gt;<strong>Chair:</strong> Dr Gagandeep Kang, Executive Director, Translational Health Sciences and Technology Institute, India&lt;br&gt;<strong>Co-chair:</strong> Ms Shobana Balasingam, Programme Officer, Vaccines, Wellcome Trust, United Kingdom</td>
<td>Jehangir Hall</td>
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</tbody>
</table>

### Keynote Addresses

1. Dr Wilbur Chen, Associate Professor, University of Maryland School of Medicine, United States of America—**CHIMS to Promote Regulatory Approval: Vaxchora Licensure for Cholera by USFDA**

2. Ms Shobana Balasingam, Programme Officer, Vaccines, Wellcome Trust, United Kingdom—**CHIMS—Present Position and Next Steps for National, Regional and Global Engagement**

### Panelists

1. Ms Katherine Littler, Senior Ethics Specialist, Global Health Ethics, World Health Organization—Geneva, Switzerland—**WHO Guidance for CHIMS**

2. Dr Jeffrey D'Souza, Research Associate, Institute on Ethics & Policy for Innovation, McMaster University, Canada—**Ethical Implications of Conducting Multi-jurisdictional Clinical Trials in Low-Resource Settings**

3. Dr Diadié Maïga, Regional Vaccine Regulatory Officer, World Health Organization, Regional Office for Africa—**Supporting Regional Collaboration in CHIMS in Networks such as African Vaccine Regulatory Forum (AVAREF)**

4. Dr Chris Ockenhouse, Director, Medical and Clinical Operations, Malaria Vaccine Initiative, PATH, United States of America—**CHIMS Considerations in Malaria Vaccine**
<table>
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<tr>
<td>5. Dr Bernhards Ogutu, Chief Research Officer, Kenya Medical Research</td>
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<tr>
<td>Institute (KEMRI) and Director for Centre for Research in Therapeutic</td>
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<tr>
<td>Sciences, Strathmore University, Kenya- <strong>Clinical Therapeutics Development</strong></td>
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<tr>
<td>through Engagement in CHIMS: Malaria Perspective</td>
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<tr>
<td>6. Dr Pieter Neels, CEO &amp; Scientific Advisor at Vaccine-Advice, Belgium-</td>
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<tr>
<td><strong>Aspects for Consideration by Regulator and Vaccine Developers in CHIMS</strong></td>
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<tr>
<td>7. Dr Melissa Kapulu, Research Scientist in Infectious Diseases,</td>
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<tr>
<td>Kenya Medical Research Institute (KEMRI), Kenya- <strong>Immunological Aspects of Malaria Transmission- Identifying and Developing Vaccine Candidate Targets</strong></td>
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<tr>
<td>8. Dr Nilima Kshirsagar, National Chair Clinical Pharmacology Indian</td>
</tr>
<tr>
<td>Council of Medical Research, Government of India- <strong>Scientific and Ethical Considerations in India for CHIMS</strong></td>
</tr>
<tr>
<td>9. Dr Rob Lambkin-Williams, Executive Scientific Advisor, hVIVO &amp; Virology Consult, United Kingdom- <strong>Manufacturing of Human Viral Challenge Agents For Use In Clinical Studies To Accelerate The Drug Development Process</strong></td>
</tr>
</tbody>
</table>

**19 November 2019-Tuesday, 15:45-16:15: Tea Break**

**19 November 2019- Tuesday, 16:15-17:30: Plenary Session 2: Health Technology Assessment as a Tool for Evidence Based Decision Making in Healthcare**

<table>
<thead>
<tr>
<th>Time</th>
<th>Plenary Session 2- Tuesday, 19 November 2019</th>
<th>Room</th>
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<tbody>
<tr>
<td><strong>Tuesday, 16:15-17:30</strong></td>
<td>Health Technology Assessment as a Tool for Evidence Based Decision Making in Healthcare</td>
<td>Durbar Ballroom</td>
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<td>Chair: Dr Balram Bhargava, Secretary, Department of Health Research and Director-General, Indian Council of</td>
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<td>Medical Research, Ministry of Health and Family Welfare, Government of India</td>
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<td>Co-chair: Mr Manoj Jhalani, Director, Health Systems, WHO South East Asia Region</td>
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<td>Keynote Address</td>
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<tr>
<td>Dr Balram Bhargava, Secretary, Department of Health Research and Director-General, Indian Council of Medical Research, Ministry of Health and Family Welfare, Government of India</td>
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<thead>
<tr>
<th>Panelists</th>
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<tbody>
<tr>
<td>1. Ms Anu Nagar, Joint Secretary, Department of Health Research, Government of India- <strong>Indian Engagement in Health Technology Assessment for UHC</strong></td>
</tr>
<tr>
<td>2. Dr Kavitha Rajsekhar, Scientist E, Indian Council of Medical Research, Government of India- <strong>Supporting HTA for Access to Better Health Care</strong></td>
</tr>
<tr>
<td>3. Dr Shankar Prinja, Additional Professor- Health Economics, Postgraduate Institute of Medical Education and Research (PGIMER) - Chandigarh, India- <strong>Health Technology Assessment Evidence for Pricing Decisions and Standard Treatment Guidelines</strong></td>
</tr>
<tr>
<td>4. Dr T Sundararaman, Advisor, Center for Technology and Policy, IIT Madras- <strong>Health Technology Assessment Support for Advocacy in Health Policy</strong></td>
</tr>
<tr>
<td>5. Dr Francoise A Cluzeau, Associate Director, Global Health and Development Group, Imperial College London, United Kingdom- <strong>Promoting Quality Standards through Quality Improvement Programs</strong></td>
</tr>
<tr>
<td>6. Professor Stephen Jan, Head of Health Economics and Process Evaluation Program and Co-Director, Health System Science Professor of Health Economics, Faculty of Medicine, UNSW Sydney, Australia- <strong>International Health Technology Assessment Regulations and Policy Making: Global and Indian Perspective</strong></td>
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<tr>
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<tr>
<td>Tuesday, 17:30-18:00</td>
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19 November 2019- Tuesday, 19:00

Cultural Programme in the Durbar Ballroom - 19:00-19:40

Dinner in the Garden Area- 20:00 onwards
**Wednesday, 20 November 2019**

**Regulation of Medical Products & Access**

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### 20 November 2019 - Wednesday, 09:00-10:30: Plenary Session 3: Leveraging Regulatory Networks for Access to Quality, Safe and Affordable Medical Products Including Digital Tools for Strengthening Regulatory Systems

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<tr>
<th>Time</th>
<th>Plenary Session 3- Wednesday, 20 November 2019</th>
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<tbody>
<tr>
<td>Wednesday, 9:00-10:30</td>
<td>Leveraging Regulatory Networks for Access to Quality, Safe and Affordable Medical Products Including Digital Tools for Strengthening Regulatory Systems</td>
<td>Durbar Ballroom</td>
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**Chair:** Mr Arun Singhal, Special Secretary, Ministry of Health & Family Welfare, Government of India

**Co-chairs:** Mr Jaideep Kumar Mishra, Joint Secretary, Ministry of Electronics and Information Technology, Government of India

**Keynote Address**

Dr Soumya Swaminathan, Chief Scientist, World Health Organization (Video Address)

Dr Manisha Shridhar, Regional Advisor, World Health Organisation South-East Asia Regional Office - Promoting Access to Medical Products through SEARN

**Panelists**

1. Dr Raj Long, Deputy Director, Global Health, Bill and Melinda Gates Foundation, United Kingdom - Accelerating the Product Development through Networks and Partnerships

2. Dr Diadié Maïga, Regional Vaccine Regulatory Officer, World Health Organization Regional Office for Africa - Strengthening the Regulatory Systems through Networks - The AVAREF Experience

4. Mr R Chandrashekhar, Deputy Drugs Controller of India, Central Drugs Standard Control Organisation, Government of India- **E-Governance Initiatives in the Indian Drug Regulatory System**

5. Dr Ramesh Krishnamurthy, Senior Advisor, Division of Data, Analytics and Delivery, World Health Organization- **Digital Technology to Advance UHC**

6. Dr Oommen John, Senior Research Fellow, The George Institute for Global Health, India- **Strengthening Health Systems through Leveraging Digital Health Interventions**

**20 November 2019- Wednesday, 10:30-10:45: Tea Break**

**20 November 2019-Wednesday, 10:45-12:15: Plenary Session 4: Smart Safety Surveillance for Strengthening Pharmacovigilance Systems- Progress Updates and Next Steps**

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<tr>
<th>Time</th>
<th>Plenary Session 4- Wednesday, 20 November 2019</th>
<th>Room</th>
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<tbody>
<tr>
<td>Wednesday, 10:45-12:15</td>
<td><strong>Smart Safety Surveillance for Strengthening Pharmacovigilance Systems- Progress Updates and Next Steps</strong></td>
<td>Durbar Ballroom</td>
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<td><strong>Chair:</strong> Dr Nata Menabde, Executive Director-United Nations, World Health Organization</td>
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<td><strong>Co-chair:</strong> Dr Mandeep K Bhandari, Joint Secretary, Ministry of Health and Family Welfare, Government of India</td>
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<td><strong>Keynote Address</strong></td>
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<td></td>
<td>Dr Raj Long, Deputy Director, Global Health, Bill and Melinda Gates Foundation, United Kingdom- <strong>Triple-S (3S) Smart Safety Surveillance for Strengthening Vigilance of Medical Products</strong></td>
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<td><strong>Panelists</strong></td>
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<td></td>
<td>Dr Madhur Gupta, Technical Officer-Pharmaceuticals, World Health Organization Country Office for India- <strong>Strengthening Collaboration amongst Vaccine Vigilance Stakeholders in India- The Rotavac Vaccine</strong></td>
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</tbody>
</table>
### Experience and Learnings

2. Ms Swati Srivastava, Deputy Drugs Controller of India, Central Drugs Standard Control Organisation, Government of India - **Strengthening Pharmacovigilance Systems and Smart Safety Surveillance in India**

3. Dr MK Aggarwal, Deputy Commissioner, Universal Immunisation Programme, Ministry of Health and Family Welfare, Government of India - **Safety Monitoring of Vaccines in India: The Rotavirus Smart Safety Approach**

4. Mr Mick Foy, Head of Pharmacovigilance Strategy, Vigilance, Intelligence and Research Group, Medicines and Healthcare Products Regulatory Agency (MHRA), United Kingdom - **Clinical Safety and Pharmacovigilance Systems at MHRA**


6. Dr Gagandeep Kang, Executive Director, Translational Health and Sciences Technology Institute, India - **Safety Surveillance of Medical Products- The Sentinel Site Perspective**

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**20 November 2019 - Wednesday, 12:15-13:30: Parallel Session 5: Moving Towards Smarter Clinical Trials– Changing the Paradigm in the Context of Global and Multi Regional Clinical Trials**

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<tr>
<th>Time</th>
<th>Parallel Session 5–Wednesday, 20 November 2019</th>
<th>Room</th>
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<tr>
<td>Wednesday, 12:15-13:30</td>
<td><strong>Moving Towards Smarter Clinical Trials– Changing the Paradigm in the Context of Global and Multi Regional Clinical Trials</strong></td>
<td>Jehangir Hall</td>
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<td><strong>Chair:</strong> Dr Anup Wadhawan, Secretary, Ministry of Commerce, Government of India</td>
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<td><strong>Co-chairs:</strong> Dr Stephen Kennedy, Principal Investigator, PREVAIL: Joint US-Liberia Research Partnership, University of Liberia, Liberia; Dr VG Somani, Drugs Controller General of India, Central Drug Standard Control Organization, India</td>
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</table>
**Keynote Addresses**

1. Dr Stephen Kennedy, Principal Investigator, PREVAIL: Joint US-Liberia Research Partnership, University of Liberia, Liberia - *The Experience of Ebola Vaccine Clinical Trial in Liberia*

2. Dr Rakesh Aggarwal, Director, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), India - *Innovative Strategies in Recent Vaccine Trials: The Case of Malaria, Dengue, Ebola Vaccines*

**Panelists**

1. Dr Francis P Crawley, Coordinator, European Fellowship in Research Ethics (EFRE), Belgium - *Moving from Capacity building to Capacity sharing in Clinical Trials: Sharing Knowledge, Frameworks, and Data on the Critical Pathways for Access to Medicines*

2. Dr Jeffrey D’Souza, Research Associate, Institute on Ethics & Policy for Innovation, McMaster University, Canada - *Ethical and Regulatory Considerations on Clinical Trials*

3. Ms Catherine Tregunno, Senior Scientific Assessor- Vaccines, Anti-infectives and Advanced Therapies Unit, Medicines and Healthcare Products Regulatory Agency (MHRA), United Kingdom - *Monitoring Safety in the Post-Marketing Period: Safety Data From Clinical Trials to Form a Risk Management Plan*

4. Dr A K Pradhan, Deputy Drugs Controller, Central Drug Standard Control Organization, India - *An Overview on the New Drugs and Clinical Trials Rules 2019 in India*

5. Dr Bernhards Ogutu, Chief Research Officer, Kenya Medical Research Institute (KEMRI) and Director for Centre for Research in Therapeutic Sciences, Strathmore University, Kenya - *Malaria Clinical Trials in Kenya: Best Practices*
### 20 November 2019 - Wednesday, 12:15-13:30: Parallel Session 6: Medical Technology Pathways for Innovative Medical Devices

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<tr>
<th>Time</th>
<th>Parallel Session 6 - Wednesday, 20 November 2019</th>
<th>Room</th>
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<tbody>
<tr>
<td><strong>Wednesday, 12:15-13:30</strong></td>
<td><strong>Medical Technology Pathways for Innovative Medical Devices</strong></td>
<td><strong>Durbar Ballroom</strong></td>
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<td><strong>Chair:</strong> Dr VK Paul, Member, NITI Aayog, Government of India</td>
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<td><strong>Co-chair:</strong> Dr Renu Swarup, Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India</td>
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<td><strong>Keynote Address</strong></td>
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<td></td>
<td>Dr Alka Sharma, Advisor, Department of Biotechnology, Ministry of Science and Technology, Government of India</td>
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<td></td>
<td><strong>Steering the Innovation Ecosystem in India – Department of Biotechnology Initiatives for Medical Technology Pathways</strong></td>
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<td><strong>Panelists</strong></td>
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<tr>
<td></td>
<td>1. Dr Sanjay Sarin, Head, Foundation for Innovative New Diagnostics (FIND), India - <strong>Diagnostics Development and Delivery-Newer Approaches for Collaboration</strong></td>
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<td>2. Dr Sandeep Singh, Professor (Cardiology), Executive Director, School of International Biodesign, All India Institute of Medical Sciences-Delhi, India - <strong>School of International Biodesign (SiB)- Innovation Initiatives</strong></td>
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<td>3. Dr Prakash Bachani, Scientist E &amp; Head (Medical Equipment &amp; Hospital Planning Deptt.), Bureau of Indian Standards (BIS), Government of India - <strong>Standardization of Medical Products</strong></td>
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<td>4. Dr Ravinder Singh, Scientist C, Division of Non Communicable Diseases, Indian Council of Medical Research, Government of India - <strong>Leveraging Assistive Technologies and Innovative Medical Devices towards Achieving Universal Health Coverage</strong></td>
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<td>5. Mr Ajay Pitre, Managing Partner, Pitre Business Ventures LLP, India - <strong>Emerging Market Opportunities, Challenges and Key Drivers</strong></td>
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<td>6. Dr Reba Chhabra, Director, In-charge, National Institute of Biologicals-Noida, India - <strong>Quality Control of</strong></td>
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### Diagnostics and Fostering Local Production of Innovative Medical Devices

#### 20 November 2019- Wednesday, 13:30-14:30: Lunch

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<th>Time</th>
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<tr>
<td><strong>Wednesday, 14:30-16:00</strong></td>
<td><strong>Medical Products for End game for HIV/AIDS, Tuberculosis, Malaria</strong></td>
<td><strong>Durbar Ballroom</strong></td>
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**Chair:** Mr Vikas Sheel, Joint Secretary, Ministry of Health and Family Welfare, Government of India

**Co-chair:** Dr Raman R Gangakhedkar, Scientist G and Head, Epidemiology and Communicable Diseases, Indian Council of Medical Research, Government of India

#### Keynote Address

Dr KS Sachdeva, Deputy Director General, Tuberculosis, Ministry of Health & Family Welfare, Government of India - *National Tuberculosis Elimination Plan-Role of Newer Medical Products*

#### Panelists

1. Dr Brenda Waning, Chief, Global Drug Facility, STOP TB, Switzerland- *Access to Medicines and Diagnostics in Resource Limited Settings*

2. Dr Stephen Kennedy, Principal Investigator, PREVAIL: Joint US-Liberia Research Partnership, University of Liberia, Liberia- *Endgame of HIV/AIDS, Tuberculosis, Malaria: Strategy, Implications and Future Directions*

3. Mr Carlos A Grabois Gadelha, Oswaldo Cruz Foundation (Fiocruz), Research Leader, The Health Economic-Industrial Complex and Innovation Research Group, Brazil- *Development, Innovation and Health: The Brazilian Perspective*

4. Dr Chris Ockenhouse, Director, Medical and Clinical Operations, Malaria Vaccine Initiative, PATH, United
States of America- Clinical Development for Innovative Point-of-Care Medical Products

5. Dr Suman Rijal, Director, Drugs for Neglected Diseases initiative (DNDi), India- Partnerships to Develop and Ensure Access to New Medicines for HIV-infected Children

6. Ms Anjali Sharma, Clinical Instructor, Global Health, Centre for Infectious Disease Research in Zambia (CIDRZ)- Delivering Anti-retroviral Therapies in Low Resource Settings

20 November 2019- Wednesday, 14:30-16:00: Parallel Session 8: Global Partnerships for Drug Discovery, Innovation and Technology Development: Scaling up Adaptive Technology Solutions for Medical Products

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<th>Time</th>
<th>Parallel Session 8- Wednesday, 20 November 2019</th>
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<tr>
<td>Wednesday, 14:30-16:00</td>
<td>Global Partnerships for Drug Discovery, Innovation and Technology Development: Scaling up Adaptive Technology Solutions for Medical Products</td>
<td>Jehangir Hall</td>
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Chair: Dr Vaidya Rajesh Kotecha, Secretary, Ministry of AYUSH, Government of India

Co-chairs: Dr Stephen Whitehead, Senior Scientist, National Institute of Health, United States of America

Keynote Address

Dr Stephen Whitehead, Senior Scientist, National Institute of Health, United States of America- Live Attenuated Vaccines for Dengue: Possibilities and Challenges

Ms Heather Stone, Public Health Analyst, United States Foods and Drug Administration, United States of America- Role of USFDA in Strategic Partnership to Foster Drug Discovery and Innovation

Panelists

1. Dr Manica Balasegaram, Executive Director, Global Antibiotic Research and Development Partnership (GARDP)/ Drugs for Neglected Diseases initiative (DNDi), Switzerland- Scaling up R&D for New Treatments – The
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<tr>
<th>GARDP Experience</th>
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<tbody>
<tr>
<td>2. Professor Stephen Matlin, Visiting Professor, Institute of Global Health</td>
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<tr>
<td>Innovation, Imperial College London, United Kingdom- <strong>Changing Landscape of</strong></td>
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<td><strong>Health Innovation Networks to Foster Research and Development</strong></td>
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<tr>
<td>3. Dr Shirshendu Mukherjee, Mission Director, Grand Challenges, India- <strong>Facilitating Innovation Ecosystem through Grand Challenges India Initiative</strong></td>
</tr>
<tr>
<td>4. Dr Vipul Chowdhary, Analyst, Global Health Research &amp; Development, Policy</td>
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<td>Cures Research, Australia- **Neglected Disease Research and Development:</td>
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<td>Reflecting on a Decade of Global Investment**</td>
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<td>5. Dr Mohammad Ameel, Senior Consultant, Healthcare Technologies (Medical Devices), National Health Systems Resource Centre, Government of India- <strong>Health Technology Innovations under Public Health Programs</strong></td>
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20 November 2019- Wednesday, 16:00-16:15: Tea Break

20 November 2019-Wednesday, 16:15-17:30: Plenary Session 5: Re-purposing of Medicines for Reduced Approval Timeframe, Decreased Costs and Making Use of Existing Data

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<th>Time</th>
<th>Plenary Session 5- Wednesday, 20 November 2019</th>
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<tr>
<td>Wednesday, 16:15-17:30</td>
<td><strong>Re-purposing of Medicines for Reduced Approval Timeframe, Decreased Costs and Making Use of Existing Data</strong></td>
<td><strong>Durbar Ballroom</strong></td>
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<tr>
<td><strong>Chair:</strong> Dr Dharmendra Singh Gangwar, Additional Secretary &amp; Financial Advisor, Ministry of Health and Family Welfare, Government of India</td>
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<tr>
<td><strong>Co-chairs:</strong> Ms Heather Stone, Public Health Analyst, United States Foods and Drug Administration, United States of America; Dr VG Somani, Drugs Controller General of India, Central Drug Standard Control Organization, India</td>
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<tr>
<td><strong>Keynote Addresses</strong></td>
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</table>
1. Ms Heather Stone, Public Health Analyst, United States Foods and Drug Administration, United States of America - Overview of Drug Repurposing – US FDA Perspective

2. Mr Igor Da Silva Barbosa, Premier-secrétaire, Permanent Mission of Brazil to the UNOG and other organizations in Geneva - Re-purposing of Medicines: Complimentary Approaches to Lower Cost and Early Access of Medical Products

Panelists

1. Dr S Eswara Reddy, Joint Drugs Controller, Central Drug Standard Control Organization, Government of India - Re-purposing of Medicines to Accelerate Access - The India Perspective

2. Ms Shobana Balasingam, Programme Officer, Vaccines, Wellcome Trust, United Kingdom - Value of CHIMs - The Wellcome Trust Initiatives

3. Ms Ciska Verbaanderd, University of Leuven & Anticancer Fund, Belgium - Drug Re-purposing to Provide Safe, Affordable and Effective Treatments - Focus on Oncology Products

4. Dr Ian Hudson, Senior Adviser, Bill & Melinda Gates Foundation and Former Chief Executive, MHRA, United Kingdom - Novel Regulatory Approaches in the MHRA for Re-purposing of Medical Products

5. Dr Nilima Kshirsagar, National Chair Clinical Pharmacology, Indian Council of Medical Research, Government of India - Repurposing of Drugs – Role of Academic Clinical Trials

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<th>Time</th>
<th>Workshop- Wednesday, 20 November 2019</th>
<th>Room</th>
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<tbody>
<tr>
<td>Wednesday, 16:15-18:30</td>
<td>Workshop for Drug Development-Risk Assessment through Data Analytics</td>
<td>Jehangir Hall</td>
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<td>The Risk Assessment on drug development workshop is an interactive course directed towards participants who wish</td>
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to update their understanding of global regulations, the translational sciences and drug development. Efficiency and Quality compliance are critical to achieve innovation and affordability. This comprehensive course will provide an overview of the basics and multi-dimensional nature of drug development utilizing technology, statistical and quality considerations. The workshop will focus on development of novel drugs, including recombinant proteins, monoclonal antibodies, fusion proteins, cell therapy, gene therapy and gene editing technologies.

1. Dr Narendra Chirmule, Chief Scientific Advisor, Immuneel Therapeutics Ltd; ex-Head of R&D at Biocon
2. Dr Robert Poolman, Director of Discovery and Preclinical Products, Clarivate Analytics
3. Dr Timea Gombos MD, PhD, Director Translational Sciences and Biostatistics, Accelsiors, Hungary
4. Dr Guljit Chaudhri, MD, Bioinnovat Limited, CEO, Innonation, Senior Advisor, ABLE

20 November 2019- Wednesday, 17:30-18:00: Wrap Up Plenary Session: Summary of the Plenary and Parallel Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Wrap Up Plenary Session: Summary of the Plenary and Parallel Sessions- Wednesday, 20 November 2019</th>
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<td>Wednesday, 17:30-18:00</td>
<td>Chair: Mr Arun Singhal, Special Secretary, Ministry of Health and Family Welfare, Government of India</td>
<td>Durbar Ballroom</td>
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<td>Co-chairs: Dr Mandeep K Bhandari, Joint Secretary, Ministry of Health and Family Welfare, Government of India</td>
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<td></td>
<td>Plenary Session 3: Leveraging Regulatory Networks for Access to Quality, Safe and Affordable Medical Products Including Digital Tools for Strengthening Regulatory Systems</td>
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<td>Presentation of Summary Outcomes</td>
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<td><strong>Plenary Session 4: Smart Safety Surveillance for Strengthening Pharmacovigilance Systems- Progress Updates and Next Steps</strong></td>
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<tr>
<td><strong>Plenary Session 5: Re-purposing of Medicines for Reduced Approval Timeframe, Decreased Costs and Making Use of Existing Data</strong></td>
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<td>Presentation of Summary Outcomes</td>
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<tr>
<th><strong>Parallel Session 5: Moving Towards Smarter Clinical Trials—Changing the Paradigm in the Context of Global and Multi Regional Clinical Trials</strong></th>
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<tbody>
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<td>Presentation of Summary Outcomes</td>
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<tr>
<th><strong>Parallel Session 6: Medical Technology Pathways for Innovative Medical Devices</strong></th>
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<tbody>
<tr>
<td>Presentation of Summary Outcomes</td>
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<tr>
<th><strong>Parallel Session 7: Medical Products for End game for HIV/AIDS, Tuberculosis, Malaria</strong></th>
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<tr>
<td>Presentation of Summary Outcomes</td>
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<tr>
<th><strong>Parallel Sessions 8: Global Partnerships for Drug Discovery, Innovation and Technology Development: Scaling up Adaptive Technology Solutions for Medical Products</strong></th>
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<tbody>
<tr>
<td>Presentation of Summary Outcomes</td>
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</table>
21 November 2019—Thursday, 09:00-10:30: Plenary Session 6: Patent Landscaping for Health Products (WHA 72/17, 2019)

<table>
<thead>
<tr>
<th>Time</th>
<th>Plenary Session 6 - Thursday, 21 November 2019</th>
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<tr>
<td>Thursday, 09:00-10:30</td>
<td>Patent Landscaping for Health Products (WHA 72/17, 2019)</td>
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<td></td>
<td><strong>Chair:</strong> Dr Guruprasad Mohapatra, Secretary, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India</td>
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<td></td>
<td><strong>Co-Chair:</strong> Mr Ram Mohan Mishra, Additional Secretary, Ministry of Micro, Small and Medium Enterprises, Government of India</td>
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</table>

**Keynote Address**

Dr Manisha Shridhar, Regional Adviser, World Health Organization South-East Asia Regional Office

**Panelists**

1. Dr Olasupo Owoeye, Senior Lecturer, Law, RMIT Graduate School of Business and Law, Australia- Intellectual Property and Access to Medicines- Frameworks for Access


3. Mr Joy Goswami, Assistant Director, Technology Transfer & Corporate Partnerships, Office of Economic Innovation & Partnerships, University of Delaware, United States of America- Innovation Landscape for Facilitating Translation of Health Products to Enable Affordable Access

5. Dr KS Kardam, Former Senior Joint Controller of Patents and Designs, Indian Patent Office, India- Intellectual Property Considerations Interfacing the Access to Medical Products

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### 21 November 2019-Thursday, 10:30-11:00: Tea Break

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### 21 November 2019-Thursday, 11:00-13:00: Plenary Session 7: Access Strategies, Patent Pool Mechanisms and Licensing for Medical Products and Health Technologies including the Role of Pharmaceutical Sector

<table>
<thead>
<tr>
<th>Time</th>
<th>Plenary Session 7- Thursday, 21 November 2019</th>
<th>Room</th>
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<tbody>
<tr>
<td>Thursday, 11:00-13:00</td>
<td>Access Strategies, Patent Pool Mechanisms and Licensing for Medical Products and Health Technologies including the Role of Pharmaceutical Sector&lt;br&gt;&lt;br&gt;<strong>Chair:</strong> Mr Sudhanshu Pandey, Additional Secretary, Ministry of Commerce, Government of India&lt;br&gt;&lt;br&gt;<strong>Co-chairs:</strong> Mr Richard Wilder, General Counsel and Director of Business Development, Coalition for Epidemic Preparedness Innovations, Norway</td>
<td>Durbar Ballroom</td>
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</table>

### Keynote Addresses

1. Mr Richard Wilder, General Counsel and Director of Business Development, Coalition for Epidemic Preparedness Innovations, Norway- Development of Vaccines Against Emerging Infectious Diseases - The CEPI Experience

2. Professor Brook K Baker, Northeastern University School of Law and Senior Policy Analyst, Health Global Access Project, United States of America- Expanding and Improving Voluntary Licenses and Accelerating Registration at the MPP

### Panelists

1. Dr Manica Balasegaram, Executive Director, Global Antibiotic Research and Development Partnership (GARDP)/ Drugs for Neglected Diseases initiative (DNDi), Switzerland- Challenges in Antibiotics Access from Early
<table>
<thead>
<tr>
<th>Stage Research to Delivery and Stewardship</th>
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<tbody>
<tr>
<td>3. Mr Esteban Burrone, Head of Policy, Medicines Patent Pool, Switzerland - <strong>Role of MPP in Facilitating Affordable Access to Newer Technologies</strong></td>
</tr>
<tr>
<td>4. Dr K. Bangarurajan, Joint Drugs Controller, Central Drug Standard Control Organization, Government of India - <strong>Facilitating Access through Licensing Options for Newer Medicines of Public Health Importance</strong></td>
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<tr>
<td>5. Dr Ashish Mungantiwar, Executive President, Medical Services, Macleods Pharmaceuticals Limited, India - <strong>Bringing Tomorrow’s Anti-TB Medicines Today</strong></td>
</tr>
<tr>
<td>6. Mr Sandeep Juneja, Senior Vice President - Market Access, TB Alliance, United States of America (Video Conference) - <strong>Strategies for Access to New TB Regimens</strong></td>
</tr>
</tbody>
</table>

### 21 November 2019-Thursday, 13:00-14:00: Lunch

### 21 November 2019-Thursday, 14:00-15:30: Parallel Session 9: Regulatory Approaches for Approval of Pharma & Biosimilar Drugs, and Gene and Cell Therapies- USFDA, EMA Models

<table>
<thead>
<tr>
<th>Time</th>
<th>Parallel Session 9- Thursday, 21 November 2019</th>
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<tbody>
<tr>
<td><strong>Regulatory Approaches for Approval of Pharma &amp; Biosimilar Drugs, and Gene and Cell Therapies- USFDA, EMA Models</strong></td>
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<tr>
<td><strong>Chair</strong>: Mr Sudhansh Pant, Joint Secretary, Ministry of Health and Family Welfare, Government of India</td>
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<tr>
<td><strong>Co-chair</strong>: Dr Sanjay Tyagi, Director General of Health Services Ministry of Health and Family Welfare, Government of India</td>
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<tr>
<td><strong>Keynote Address</strong></td>
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<tr>
<td>Dr VG Somani, Drugs Controller General of India, Central Drug</td>
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<td>Panelists</td>
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<td>---------------------------------</td>
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<tr>
<td>1. Mr James Love, Director, Knowledge Ecology International, United States of America - <strong>Innovation and Access for Biosimilars and New Cell and Gene Therapies</strong></td>
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<tr>
<td>2. Dr Ian Hudson, Senior Adviser, Bill &amp; Melinda Gates Foundation and Former Chief Executive, MHRA, United Kingdom - <strong>EMA Regulatory Guidance for Biosimilars and other Advanced Therapeutics</strong></td>
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<tr>
<td>3. Dr Anurag S. Rathore, Coordinator, DBT Center of Excellence for Biopharmaceutical Technology &amp; Professor, Department of Chemical Engineering, Indian Institute of Technology, Delhi, India - <strong>Affordability of Biosimilars</strong></td>
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<tr>
<td>5. Dr Rob Lambkin-Williams, Executive Scientific Advisor, hVIVO &amp; Virology Consult, United Kingdom - <strong>Human Viral Challenge Model for Accelerating Drug Development Process</strong></td>
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<tr>
<td>6. Dr Pieter Neels, CEO &amp; Scientific Advisor at Vaccine-Advice, Belgium - <strong>EU Regulatory Requirements in Vaccinology</strong></td>
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<tr>
<td>Time</td>
<td>Parallel Session 10 - Thursday, 21 November 2019</td>
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<tr>
<td>Thursday, 14:00-15:30</td>
<td>National Regulation and International Agreements including Pricing of Medical Products for Affordable Access</td>
<td>Jehangir Hall</td>
</tr>
</tbody>
</table>

**Chair:** Ms Shubhra Singh, Chairman, National Pharmaceutical Pricing Authority, Government of India

**Co-chairs:** Ms Ritu Dhillon, Joint Secretary, Department of Pharmaceuticals, Member Secretary, National Pharmaceutical Pricing Authority, Ministry of Chemicals and Fertilizers, Government of India; Dr Arun Kumar Agarwal, Ex-Dean, Maulana Azad Medical College, India

**Keynote Address**

Mr Richard Wilder, General Counsel and Director of Business Development, Coalition for Epidemic Preparedness Innovations, Norway - *Strategies to Accelerate Affordable Access to Vaccines*

**Panelists**

1. Professor Brook K Baker, Northeastern University School of Law and Senior Policy Analyst, Health Global Access Project, United States of America - *Overcoming Monopolies on Medicines in Domestic Legislation, Treaties, and Allowing Price Controls*

2. Dr Olasupo Owoeye, Senior Lecturer, Law, RMIT Graduate School of Business and Law, Australia - *Patents and Intellectual Property Standards to Facilitate Affordable Access to Medicines*

3. Mr Frans Stobbelaar, Chief Executive Officer and Senior Consultant, Pharmaceutical Management Consultants BV, Netherlands - *Fostering Landscape of Active Pharmaceutical Ingredients (API) for Convergence Towards International Quality Standards*

4. Mr Harry Krishna Bucktowar, Deputy Director Pharmaceutical Services, Ministry of Health and Quality of Life, The Republic of Mauritius - *Strengthening the Supply Chain Management of Pharmaceuticals - The Mauritius*
<table>
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<tr>
<th>Perspective</th>
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<tr>
<td>5. Dr Ellen’t Hoen, Medicines Law and Policy, France (Video Conference)- <strong>Invoking TRIPS Flexibilities for Public Health to ensure Access to Medicines: The TRIPS Flexibilities Database</strong></td>
</tr>
<tr>
<td>6. Dr Narveshwar Sinha, Chairman, IDEAL Charity, United Kingdom- <strong>Access to Cochlear Implants: Leveraging National Essential Medication Lists</strong></td>
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<tr>
<th>21 November 2019-Thursday, 15:30-16:30: Plenary Session 8: Closing Session, Summary and Recommendations</th>
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<tbody>
<tr>
<td><strong>Closing Session- Thursday, 21 November 2019: 15:30-16:30</strong></td>
</tr>
<tr>
<td>Dr Mandeep K Bhandari, Joint Secretary, Ministry of Health &amp; Family Welfare, Government of India</td>
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<tr>
<td>Mr Arun Singhal, Special Secretary, Ministry of Health &amp; Family Welfare, Government of India</td>
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<tr>
<td>Dr Henk Bekedam, World Health Organization Representative to India</td>
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<tr>
<td>Dr Kiran Mazumdar-Shaw, Chairman, Biocon Limited, India</td>
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<tr>
<td>Dr Renu Swarup, Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India</td>
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<tr>
<td>Dr Balram Bhargava, Secretary, Department of Health Research and Director-General, Indian Council of Medical Research, Ministry of Health and Family Welfare, Government of India</td>
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<tr>
<td>Mr P D Vaghela, Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India</td>
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<tr>
<td>Dr Vaidya Rajesh Kotecha, Secretary, Ministry of AYUSH, Government of India</td>
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<tr>
<td>Dr Guruprasad Mohapatra, Secretary, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India*</td>
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<tr>
<td>Dr Anup Wadhawan, Secretary, Ministry of Commerce, Government of India*</td>
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<tr>
<td>Mr Ajay Prakash Sawhney, Secretary, Ministry of Electronics and Information Technology, Government of India*</td>
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<tr>
<td>Dr Arun Panda, Secretary, Health, Ministry of Health and Family Welfare,</td>
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<tr>
<td>Government of India</td>
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<tr>
<td>Honorable Mr Ashwini Kumar Choubey, Minister of State, Ministry of Health &amp; Family Welfare, Government of India</td>
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<tr>
<td>Honorable Mr Zahid Maleque, Minister of Health and Family Welfare, Ministry of Health and Family Welfare, Government of the People’s Republic of Bangladesh</td>
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<td>Honorable Ms Lyonpo Dechen Wangmo, Minister for Health, Ministry of Health, Royal Government of Bhutan</td>
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<tr>
<td>Honorable Mr Upendra Yadav, Deputy Prime Minister and Minister of Health and Population, Ministry of Health and Population, Government of Federal Democratic Republic of Nepal</td>
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<tr>
<td>Honorable Dr Harsh Vardhan, Union Minister, Ministry of Health and Family Welfare, Science &amp; Technology and Earth Sciences, Government of India</td>
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| 21 November 2019-Thursday, 16:30-17:00: High Tea |
Conference Website
http://www.worldsdg2030.org

Declaration of Interest
Some of the participants will be given a declaration of interest format, which needs to be duly completed, signed and returned to the Registration Desk.

Disclaimer
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Registration and Name Tags
When arriving at the venue, each participant needs to register at the counter and sign to get the Name Tag from the registration desk. During the conference, you need to wear your badge at all times to be allowed inside of the forum space.

Visa Letter
Once the participant is registered for the conference on the Website, an automated e-visa letter can be generated in a downloadable format. The letter can then be used to obtain Visa from the consulate.

Invitation Letter
Once the participant is registered for the conference on the Website, an automated e-invitation letter can be generated in a downloadable format.

There is no registration fee for the conference. The benefits of registration include:

- Access to all conference sessions
- Complementary multi-cuisine buffet lunch and running tea/coffee for all three days of the conference
- Complementary entry to the social event which includes gala dinner along with cultural programme, providing excellent networking opportunities
- Access to the exhibition area
- Conference Folder and bag with the program booklet, position paper and session briefs
- Access to the attendee’s List of Participants with email IDs
- Access to a website where you can download the following:
  - Reading material for the conference
  - Personalized e-invitation letter
• Personalized e-visa support letter
• Political and Security clearance documents required for visa facilitation
• Presentation slides of the speakers
• Unique networking opportunities with colleagues, mentors and industry
Useful Information

Venue
Durbar Ballroom,
Hotel Taj Palace
2 Sardar Patel Marg,
Diplomatic Enclave
New Delhi-110021

Local Transport
With a vision to provide a safe, clean, comfortable, efficient, cost-effective yet sophisticated, and personalized public transport system, radio taxis were introduced in Delhi to improve the commuting experience. If you would like to Rent a Cab or Hire a Cab in Delhi, you can easily avail professional, comfortable, air-conditioned Radio taxi services from various Radio Cab companies.

Radio Taxis are available for local commuting as well as long distance purposes. Hiring a cab in Delhi allow you to get the cab number and driver’s mobile number as well.

All cabs are equipped with following features:
- Air conditioned luxury cabs.
- Round-the-clock availability (24x7), there are no problems of timing and safety.
- Backed by GPS technology to track location.
- Digital cab meters integrated with the GPRS technology and thermal printers for issuing bill/receipt etc. The billing is done on a per kilometer basis from point to point.
- In - Car payment facility; customer can pay through cash or credit card (check credit card facility with the cab driver) as well.

A few leading radio taxi operators

<table>
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<tr>
<th>Taxi Operator</th>
<th>Phone Number 1</th>
<th>Phone Number 2</th>
<th>Web Address</th>
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<tbody>
<tr>
<td>Easy Cab</td>
<td>+91-11-43434343</td>
<td></td>
<td><a href="http://www.easycabs.com">www.easycabs.com</a></td>
</tr>
<tr>
<td>Mega Cab</td>
<td>+91-11-41414141</td>
<td></td>
<td><a href="http://www.megacabs.com/delhi.php">http://www.megacabs.com/delhi.php</a></td>
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<tr>
<td>Meru Cab</td>
<td>+91-11-44224422</td>
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<td><a href="http://www.merucabs.com">www.merucabs.com</a></td>
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<tr>
<td>Chanson Cab</td>
<td>+91-11-47774777</td>
<td></td>
<td><a href="http://caratcall.com/tariff.php">http://caratcall.com/tariff.php</a></td>
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<tr>
<td>Yo Cab</td>
<td>+91-11-44664466</td>
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<td><a href="http://yocabs.com/">http://yocabs.com/</a></td>
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<tr>
<td>Air Cab</td>
<td>+91-11-48484848</td>
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<td><a href="http://aircab.co.in/HomeStyle1.aspx">http://aircab.co.in/HomeStyle1.aspx</a></td>
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<tr>
<td>Quick Cab</td>
<td>+91-11- 67676767</td>
<td>+91-11-45333333</td>
<td><a href="http://quickcabs.in/">http://quickcabs.in/</a></td>
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<tr>
<td>Taxioncall</td>
<td>+91-11-45064506</td>
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<td><a href="http://www.taxioncall.in/">http://www.taxioncall.in/</a></td>
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<tr>
<td>Ola Cab</td>
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<td><a href="https://www.olacabs.com/car-rentals/delhi">https://www.olacabs.com/car-rentals/delhi</a></td>
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Also, you can download the **mobile phone apps** in your cell phones for any of the taxi services provided above and book cabs online.

Each hotel at Delhi has the facility to arrange for cabs; **you can ask the hotel reception** for arranging the cab 15-30 minutes prior.

**Food**
The Lunch and Tea Breaks are complimentary by the secretariat from 19-21 November 2019. The Reception Dinner on 19 November 2019 would be hosted by the secretariat for all the participants at the venue i.e. Durbar Ballroom at Hotel The Taj Palace, Diplomatic Enclave, New Delhi, India.

**Currency**
The Rupee is the official currency of India. The Indian Rupee may be abbreviated in any of the following formats INR, Rs, or ₹ symbol.
INR are available as paper notes in denominations of 5, 10, 20, 50, 100, 200, 500 and 2000. INR are also available as coins in denominations of 1, 2, 5 and 10.

**Local Time**
Indian Standard Time (IST) is 5 hours 30 minutes ahead of GMT.

**Weather in November**
Throughout the month of November day-time temperatures will generally reach highs of around 28°C. At night the average minimum temperature drops down to around 12°C. The average daily relative humidity for November is around 55%.
Delhi in Brief
Located in Northern India, Delhi is said to be one of the oldest cities in the world. With 22 million inhabitants, it is India’s capital and a hub of the country’s politics, culture and commercial activity. It is one of the world’s leading cities, with eminence in the arts, commerce, education, entertainment, fashion, healthcare, professional services, research and development and tourism all contributing to its prominence. Delhi, located on the bank of the Yamuna River, is a microcosm of India.

The city is known for its historical monuments. It became the capital of a Muslim empire in India under Qutubuddin Aibak, builder of the Qutub Minar, in 1193. Sir Edwin Landseer Lutyens planned New Delhi and designed the majestic Rashtrapati Bhawan (President House, formerly the palace of the Viceroy) as well as the parliament and other important government buildings. The architecture of these buildings is mainly European, with details of indigenous Indian styles. The weather in Delhi in November is expected to be between a max of 30°C and minimum of 12 °C. Delhi is easily reachable from all major countries of the World and to domestic travelers from anywhere in India. Being one of the most historic Capitals in the world, Delhi has a plethora of tourist sites.

Experience the culture and heritage that Delhi has to offer by visiting the landmarks of Delhi.

Located in Northern India, Delhi is said to be one of the oldest cities in the world. With 22 million inhabitants, it is India’s capital and a hub of the country’s politics, culture and commercial activity.

Delhi is easily reachable from all major countries of the World and to domestic travelers from anywhere in India.

There are many options that one can avail from to reach Delhi.

You can reach Delhi by:
Air: Indira Gandhi International Airport is the eight largest airport in the world. The airport is the major domestic air hub of the region and is also connected to all the major cities of the world. More information from http://www.newdelhiairport.in

Rail: Delhi is the headquarters of the Northern Railway and is a very well connected railhead with all major cities and towns in India. The main railway stations are New Delhi, Delhi Junction (Old Delhi), Hazrat Nizamuddin and Sarai Rohilla.

Road: Delhi is connected by good motorable roads to all major places in India.
### List of Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>3 S</td>
<td>Smart Safety Surveillance</td>
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<tr>
<td>AVAREF</td>
<td>African Vaccine Regulatory Forum</td>
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<tr>
<td>AMR</td>
<td>Anti-Microbial Resistance</td>
</tr>
<tr>
<td>AYUSH</td>
<td>Ayurveda, Yoga &amp; Naturopathy, Unani, Siddha, Sowa Rigpa and Homoeopathy</td>
</tr>
<tr>
<td>BIRAC</td>
<td>Biotechnology Industry Research Assistance Council</td>
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<tr>
<td>BCIL</td>
<td>Biotech Consortium India Limited</td>
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<tr>
<td>CDSCO</td>
<td>Central Drugs Standard Control Organization</td>
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<tr>
<td>CHIMS</td>
<td>Controlled Human Infection Model Studies</td>
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<td>CEPI</td>
<td>Coalition for Epidemic Preparedness Innovations</td>
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<tr>
<td>CSIR</td>
<td>Council for Scientific Research</td>
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<tr>
<td>DNDi</td>
<td>Drugs for Neglected Diseases</td>
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<td>DBT</td>
<td>Department of Biotechnology</td>
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<td>European Medicines Agency</td>
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<td>FiND</td>
<td>Foundation for Innovative New Diagnostics</td>
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<td>GARDP</td>
<td>Global Antibiotic Research and Development Partnership</td>
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<td>GoI</td>
<td>Government of India</td>
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<td>HTA</td>
<td>Health Technology Assessment</td>
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<td>GPW 13</td>
<td>WHO’s 13th General Programme of Work</td>
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<td>ICT</td>
<td>Information and Communications Technology</td>
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<td>ICMR</td>
<td>Indian Council of Medical Research</td>
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<td>IDEA</td>
<td>Innovation + Design Enabling Access</td>
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<td>ISIL</td>
<td>Indian Society of International Law</td>
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<td>KEMRI</td>
<td>Kenya Medical Research Institute</td>
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<tr>
<td>MOHFW</td>
<td>Ministry of Health and Family Welfare</td>
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<td>MHRA</td>
<td>Medicines and Healthcare Products Regulatory Agency</td>
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<td>MPP</td>
<td>Medicines Patent Pool</td>
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<td>NCDs</td>
<td>Non-Communicable Diseases</td>
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<td>NEPAD</td>
<td>New Partnership for Africa's Development</td>
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<td>NIB</td>
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<td>National Institution for Transforming India</td>
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<td>National Regulatory Authority</td>
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<td>RIS</td>
<td>Research &amp; Innovation Systems in Developing Countries</td>
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<td>Sustainable Development Goals</td>
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<td>South-East Asia Regulatory Network</td>
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<td>SEAR</td>
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<td>SEARO</td>
<td>South-East Asia Regional Office</td>
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<td>TRIPS</td>
<td>Trade-Related Aspects of Intellectual Property Rights</td>
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<td>THSTI</td>
<td>Translational Health Science and Technology Institute</td>
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<td>UHC</td>
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<td>UNHLP</td>
<td>United Nations High Level Panel</td>
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<td>United Nations Council for Trade and Development</td>
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<td>UNDP</td>
<td>United Nations Development Programme</td>
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<td>USA</td>
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<td>USFDA</td>
<td>United States Food and Drug Administration</td>
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<td>World Trade Organization</td>
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<td>World Health Organization Head Quarters</td>
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<tr>
<td>WHO</td>
<td>World Health Organization</td>
</tr>
</tbody>
</table>
Participants in the Conference

Approximately 300 participants will be participating, coming from 40 countries including India and from many intergovernmental organizations. The Honorable Ministers from WHO South-East Asia Region and many high-level officials representing the Ministries of Health, Commerce, Foreign Affairs, partner agencies, academia, civil society organizations and private sector will be joining for the deliberations during the conference. The conference will also be attended by Honorable State Health Ministers, Union Government Secretaries and Principal Secretaries from all States in India. Senior Government Officials from Ministries in Government of India, other UN agencies and international experts/participants will join for the deliberations.
Annex I: List of Participants

Honorable Ministers of Health of Member States of the WHO South-East Asia Region

1. Honorable Dr Harsh Vardhan
   Union Minister for Health & Family Welfare,
   Science & Technology, and Earth Sciences
   Ministry of Health and Family Welfare
   Government of India

2. Honorable Mr Upendra Yadav
   Deputy Prime Minister and Minister of Health and Population
   Ministry of Health and Population
   Government of Federal Democratic Republic of Nepal

3. Honorable Mr Zahid Maleque
   Minister of Health and Family Welfare
   Ministry of Health and Family Welfare
   Government of the People’s Republic of Bangladesh

4. Honorable Lyonpo Dechen Wangmo
   Minister for Health
   Ministry of Health (MoH)
   Royal Government of Bhutan

5. Honorable Mr Ashwini Kumar Choubey
   Minister of State
   Health & Family Welfare
   Ministry of Health and Family Welfare,
   Government of India

Health Ministers of States in India

6. Mr Pema Khandu
   Chief Minister
   Government of Arunachal Pradesh

7. Admiral Devendra Kumar Joshi
   Lt. Governor
   Andaman & Nicobar Islands

8. Mr Vipin Singh Parmar
   Minister of Health & Family Welfare, Revenue & Law
   Government of Himachal Pradesh

9. Mr Malladi Krishna Rao
   Minister of Health & Family Welfare
   Government of Puducherry

10. Mr Balbir Singh Sidhu
    Minister of Health & Family Welfare
    Government of Punjab

11. Mr Jai Pratap Singh
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    Government of Uttar Pradesh

12. Mr Praful Patel
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13. Mr Vishwajith Rane
    Minister of Health
    Government of Goa

14. Mr Langpoklakpam Jayantakumar Singh
    Minister of Health & Family Welfare
    Government of Manipur

15. Mr Satyendra Jain
    Minister of Health
    Government of NCT of Delhi

16. Dr Mani Kumar Sharma
    Minister of Health & Family Welfare
    Government of Sikkim

17. Mr Alexander Laloo Hek
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Senior Officials from Ministries, Chairs and Co-chairs

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21. Dr Tedros Adhanom Ghebreyesus
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22. Dr Soumya Swaminathan
    Chief Scientific Officer
    World Health Organization
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23. Dr Poonam Khetrapal Singh
Regional Director
World Health Organization South-East Asia Region

24. Dr Nata Menabde
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World Health Organization Office at the United Nations United States of America

25. Dr Henk Bekedam
WHO Representative to India

26. Dr Balram Bhargava
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27. Dr Renu Swarup
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28. Mr Ajay Prakash Sawhney
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29. Dr Anup Wadhawan
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30. Mr P Vaghela
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<th>Institution</th>
<th>Email Address</th>
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413. Dr Sanjeev Soni  
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2. Honorable Mr Upendra Yadav
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   Ministry of Health and Population
   Government of Federal Democratic Republic of Nepal

3. Honorable Mr Zahid Maleque
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   Ministry of Health and Family Welfare
   Government of the People’s Republic of Bangladesh

4. Honorable Lyonpo Dechen Wangmo
   Minister for Health
   Ministry of Health (MoH)
   Royal Government of Bhutan

5. Honorable Dr Oh Chun Bok
   Minister of Public Health
   Ministry of Public Health
   Government of Democratic People’s Republic of Korea

6. Honorable Dr Terawan Agus Putranto
   Ministry of Health of the Republic of Indonesia

7. Honorable Mr Abdulla Ameen
   Minister of Health
   Ministry of Health
   Government of Republic of Maldives

8. Honorable Dr Myint Htwe
   Union Minister for Health and Sports
   Ministry of Health and Sports
   Government of the Republic of the Union of Myanmar

9. Honorable Dr Rajitha Senaratne
   Minister of Health, Nutrition & Indigenous Medicine
   Ministry of Health, Nutrition & Indigenous Medicine
   Government of Democratic Socialist Republic of Sri Lanka

10. Honorable Mr. Anutin Charnvirakul
    Deputy Prime Minister and
    Minister of Public Health
    Ministry of Public Health
    The Royal Thai Government

11. Honorable Mr Bonifácio Mau Coli dos Reis
    Vice Minister for Health Strategic Development and Acting Minister of Health
    Ministry of Health
    Democratic Republic of Timor-Leste

State Health Ministers India

12. Admiral Devendra Kumar Joshi
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13. Mr Alla Kali Krishna Srinivas
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14. Dr Himanta Biswa Sarma
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    Government of Assam

15. Mr Pema Khandu Tungan
    Chief Minister
    Government of Arunachal Pradesh

16. Mr Mangal Pandey
    Health Minister
    Government of Bihar

17. Mr T. S. Singhdev
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    Union Territory of Chandigarh

18. Mr V. P. Singh Badnore
    Hon‘ble Governor of Punjab & Administrator
    Union Territory of Chandigarh

19. Mr Satyendra Jain
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