

# **MP State action Plan for Containment of Antimicrobial Resistance**

## **MPSAPCAR: The journey**

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### **Introduction:**

Anti-Microbial Resistance (AMR) is an eminent global threat to mankind. Identifying the nuance of ever increasing AMR, Global Action Plan on Anti-Microbial Resistance (GAP-AMR) was announced by World Health Organisation (WHO) and seconded by its 194 member countries. India as a signatory to GAP-AMR, rolled out the National Action Plan on Anti-Microbial Resistance (NAP-AMR) in April 2017 by the Union Ministry of Health And Family Welfare <https://ncdc.gov.in/WriteReadData/l892s/File645.pdf>. In addition to the 5 priorities of GAP-AMR, the strategic objectives of NAP-AMR has a sixth priority that is India-specific dealing with India's leadership on AMR – including international, national and sub-national collaborations on AMR. Subsequently, all the states and UTs of India were encouraged to develop their own customised state action plan for containment of AMR.

### **The Inception- MP state workshop on 13 November 2017:**

The Madhya Pradesh State Workshop on AMR was organized by the Directorate of Health Services, Madhya Pradesh at Bhopal on 13 November 2017, with support from NCDC and WHO Country Office for India. The theme for the workshop was 'Combating AMR in Madhya Pradesh – Towards an Agenda for Action'. The workshop aimed at awareness generation on AMR. Among all representatives and participants, as well as to discuss various options for formulation of the Madhya Pradesh State Action Plan for Containment of Antimicrobial Resistance (MP-SAPCAR), aligned to the NAP-AMR.

The event brought together stakeholders from human health (public and private), animal / food sector, Food and Drugs Administration, Pollution Control Board, environment, research and state health administration on one forum, thereby emphasizing upon the importance of a cross-sectoral approach towards containing AMR.

### **The Awakening- The World Antibiotic Awareness Week 2018 at AIIMS Bhopal:**

With an inertia for more than one year, Dr. Pankaj Shukla, State Nodal Officer, Quality Assurance, Prof. Dr. Sarman Singh, Director AIIMS Bhopal and Dr. Sagar Khadanga, Associate Professor in General Medicine, AIIMS Bhopal were in a perfect gel to carry the momentum forward. On the occasion of World Antibiotic awareness week (WAAW) there was a high level joint meeting amongst all the stake holders of AMR (human health, nursing, private doctor's association, chemist association, Department of Veterinary, medical education, pollution control board). The meeting was also attended by Dr. Kamini Walia from ICMR. The meeting was highly successful and provided the much needed impetus for the final push for state action plan. The meeting was followed by a series of measurable outcome based deliverables.



#### PR CELL Press Release

Inappropriate Antibiotic use is a major problem. This leads to antibiotic resistance. As a result, the available antibiotics do not work properly.

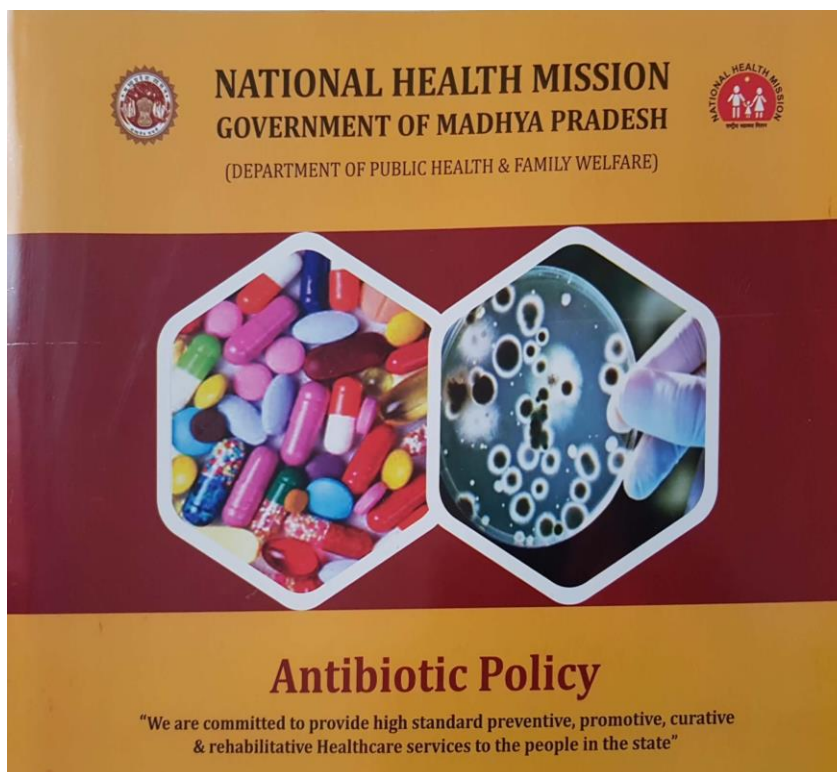
Each November, **World Antibiotic Awareness Week (WAAW)** is observed. It is a global event to raise best practices among the general public, health workers and policy makers. It also highlights the emergence and spread of antibiotic resistance. This year AIIMS, Bhopal is observing WAAW from 12<sup>th</sup> -18<sup>th</sup> Nov 2018.

AIIMS Bhopal in collaboration with ICMR New Delhi, NHM and Dept. of Health, Madhya Pradesh is organizing various events from 12<sup>th</sup> Nov. Doctors, nurses and patients are made aware about the misuse of antibiotics. Lecture series is being organized with joint effort of Dept. of General Medicine, Dept. of Microbiology and Dept. of Tropical and Infectious Diseases (RCTID) of the Institute.

On this occasion, Prof. Sarman Singh, Director, AIIMS, Bhopal said that AIIMS Bhopal in association with NHM and Dept. of Health, Madhya Pradesh is dedicated to work to train the doctors of District Hospitals of Madhya Pradesh. Apart from this, Faculty Members of AIIMS Bhopal will also train the doctors selected by the Government of Madhya Pradesh. On this occasion, Dr. Pankaj Shukla, Joint Director, Quality Assurance, AIIMS Bhopal said that the trainings will be done at different places of Madhya Pradesh like Jabalpur, Indore, Gwalior and Bhopal. ICMR has already funded for the training of these doctors. These trained doctors in turn will train the doctors, who work in PHCs and Districts.

### **Time to act- The MP State Antibiotic Policy:**

The Quality Assurance team brought out the 1<sup>st</sup> ever MP state antibiotic policy, based on the antibiogram of AIIMS Bhopal. The policy document was written by team from AIIMS Bhopal, GMC Bhopal and Directorate of Health Services and NHM Madhya Pradesh. The document was launched by the then Chief Minister **Shri Shiv Raj Singh Chauhan Ji**. Subsequently the policy was disseminated to all the PHC, CHC and DH of the state.



### Developing the Man power- Division level master trainers:

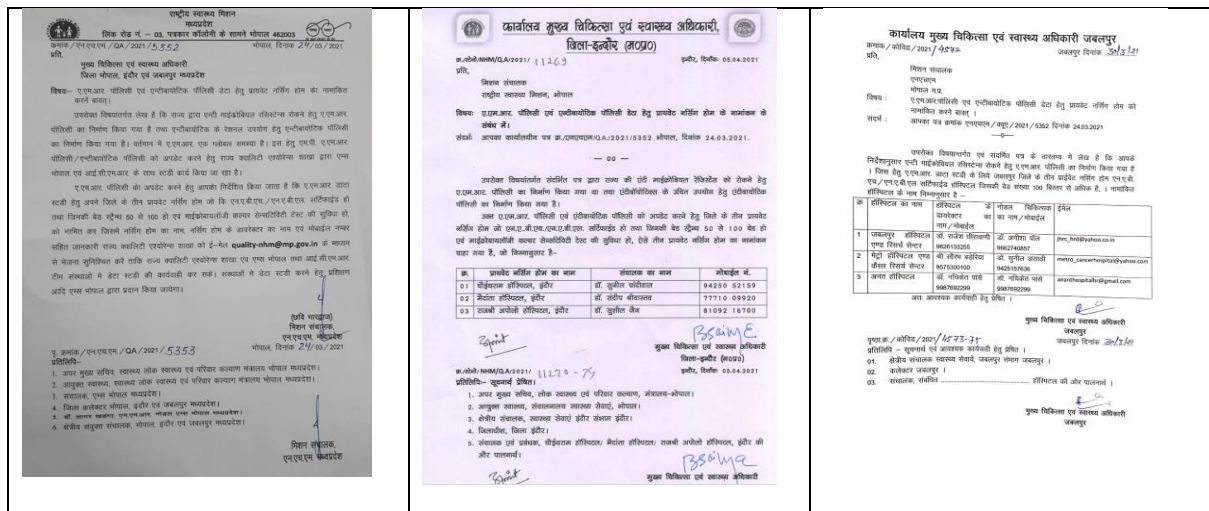
Identifying the need of extensive training among the medical officers of the state, a series of half day long AMR Awareness Activities were planned in all the 8 divisions (Rewa, Sagar, Indore, Ujjain, Bhopal, Gwalior...). About 1000 master trainers were created during these awareness activities with an intent to transmission of knowledge to PHC, CHC and DH. Additionally, all the batches of newly appointed Medical officers were trained for Syndromic approach for empirical antibiotic usage” during their induction training curriculum. All professional bodies like IMA, IPA, FOGSI were roped into the AMR containment movement in the state.



### The hard decision- Embracing the Nursing Homes:

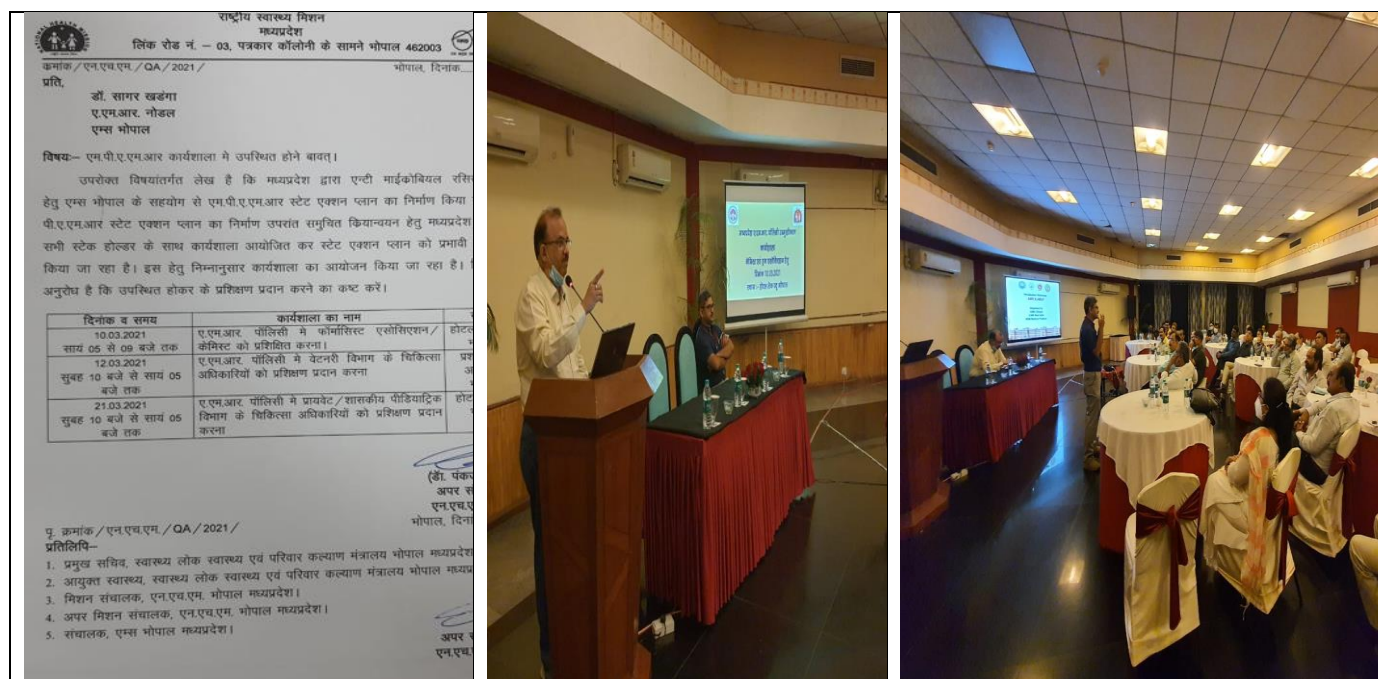
It's time to embrace Private Health Care Delivery Systems for containment of AMR. The state identified their contribution and identified a chain of Nursing Homes in 3 major cities of the state for the pilot project of development of Antibigram of the state in collaboration with AIIMS Bhopal and ICMR.





## The unthinkable: Training of Chemists:

There was a deliberate attempt for awareness activities for the private chemists of the state. With the collaboration of Chemist's association of MP, the 1<sup>st</sup> awareness activity was organised in Bhopal, at Hotel Ashoka on 10<sup>th</sup> March 2021. The event was attended by approximately 75 chemists of the city. Awareness activities were also conducted for young pharmacists during their induction programs similar to that of Medical Officers. Similar activities are planned in near future across all major cities of MP.



## Time to include Animal Health- Identifying District Veterinary Nodal Officers:

It is well known that antibiotic practices in India among Veterinary sector is largely unregulated. We organised a state level Veterinary workshop at Bhopal on 25<sup>th</sup> February 2020. The workshop was a unique platform to interact with the veterinary practitioners of

the state to that from Kerala. The event was followed many such brain storming sessions. We have identified our district nodal officers and we are working on various modalities to decrease antibiotic usage in animals.



## कार्यशाला ▶ पशु चिकित्सा विभाग में एंटीबायोटिक दवाओं का दुरुपयोग रोकने कार्यशाला का हुआ आयोजन दूध, शहद, अंडा मांस के जरिए इंसानों में पहुंच रहे गैर जरूरी एंटीबायोटिक

रविवार संवाददाता, भोपाल

जबकि से ज्यादा एंटीबायोटिक दवाओं का उपयोग इंसानों के साथ ही पशु, पक्षियों, खेतों और प्रकृति को नुकसान पहुंचा रहा है। समय रहते चिकित्सा पद्धति में इसका दुरुपयोग नहीं रोक गया तो आने वाले समय में दवाओं का असर शरीर पर नहीं होगा। गाय, भैंस, बकरी के दूध, अंडे, मांस यहां तक कि शहर में एंटीबायोटिक को मात्र मिल रही है। इसको लेकर पशु चिकित्सा विभाग के महाविद्यालयों, अस्पतालों

में कार्यरत प्राध्यापकों, चिकित्सकों और छात्रों के साथ मैदानी अमले को समझने और समझाने की जरूरत है। केरल देश का पहला राज्य है जहां एंटीबायोटिक दवाओं के उपयोग को लेकर सबसे पहले स्टेट एक्शन प्लान बनाकर उसे लागू किया गया है। ये बात केरल को स्टेट लैबोरेटरी के क्वालिटी मैनेजर डा. राबिन पॉल ने होटल पलास में एंटीमाइक्रोबियल रेजिस्टेंस को लेकर आयोजित पशु चिकित्सकों की राज्य स्तरीय कार्यशाला में कही।

एनिमल फीड बनाने वाली कंपनियों को भी संयमित उपयोग के लिए समझाएंगे : आहूजा

कार्यशाला को संबोधित करते हुए प्रमुख सचिव पशुपालन विभाग डीपी आहूजा ने कहा कि प्रदेश भर के पॉल्ट्री फॉर्म और डेयरी का पंजीयन कराने का काम शुरू किया जाएगा। इसके साथ ही गाय, भैंस, सहित मुर्गे-मुर्गियों के लिए भोज्य पदार्थ एनिमल फीड बनाने वाली कंपनियों के लिए भी गाइड लाइन बनाई जायेगी। ताकि पशुओं के खान-पान में एंटीबायोटिक के दुरुपयोग को रोका जा सके। पशुपालन के व्यवसायियों के साथ ही ग्रामीण क्षेत्रों में भी इसके संयमित उपयोग की योजना को मूर्त रूप दिया जायेगा।



### ये रहे मौजूद

कार्यशाला में एनएचएम की अपर मिशन संचालक, सलीनी सिडाना, उप संचालक डा. पंकज शुक्ला, एम्स भोपाल मॉडर्निज विभाग के प्राध्यापक डा. सागर खंडगा, के अलावा वेटेनरी कॉलेजों के प्राध्यापक, पशु चिकित्सक गण मौजूद रहे।

### वन हेल्थ के कॉन्सेप्ट पर मिलकर करेंगे काम

स्वास्थ्य विभाग की वीएस फ्लवी जैन गोविल ने कहा कि केरल के बाद मध्य प्रदेश राज्य है जहां एंटीमाइक्रोबियल रेजिस्टेंस को लेकर स्टेट एक्शन प्लान बनाया गया है। वन हेल्थ की अवधारणा पर स्वास्थ्य विभाग, वेटेनरी, एग्रीकल्चर, पर्यावरण आदि विभागों के साथ मिलकर इस प्लान पर काम किया जायेगा। वन हेल्थ के कॉन्सेप्ट में मनुष्यों (ह्यूमन), जानवरों (एनीमल), और पर्यावरण (एनवायरमेंट) में एंटीबायोटिक के दुरुपयोग को रोकने के लिए काम किया जायेगा।

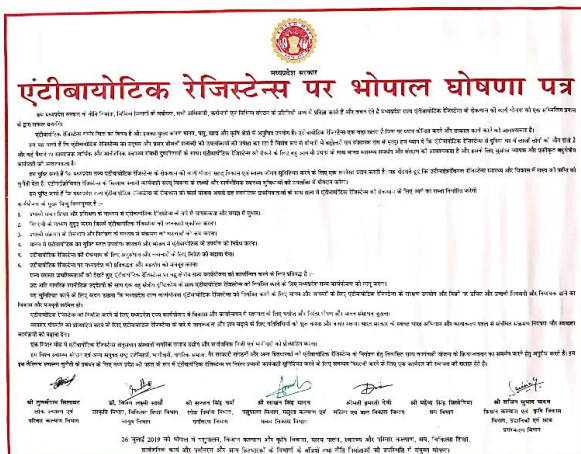


## Public movement- Extensive media coverage:

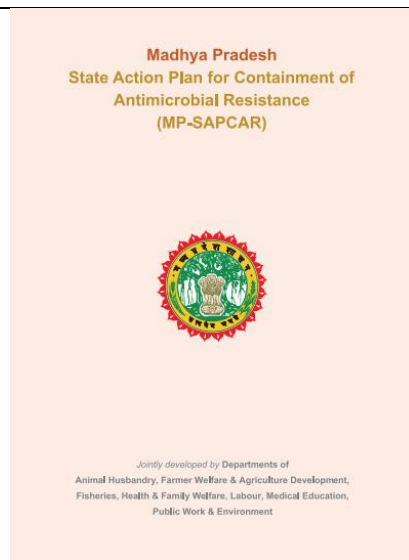
All possible opportunity is being utilised for the public awareness activity with wide media coverage. Particularly the World Antibiotic Awareness Week is being celebrated in the state at each step of human and animal health care provision. The AMR movement in Madhya Pradesh has turned out to be a movement among the common man with wide print and electronic media.







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## MPSAPCAR- The success Mantra:

- Commitment of top administration
- Identifying your right team and leaders
- Extensive training and manpower development
- Bring the animal health practitioners on the board
- Reach to private practitioners and chemists
- Collaboration in the state and at national level
- Dedicated funding