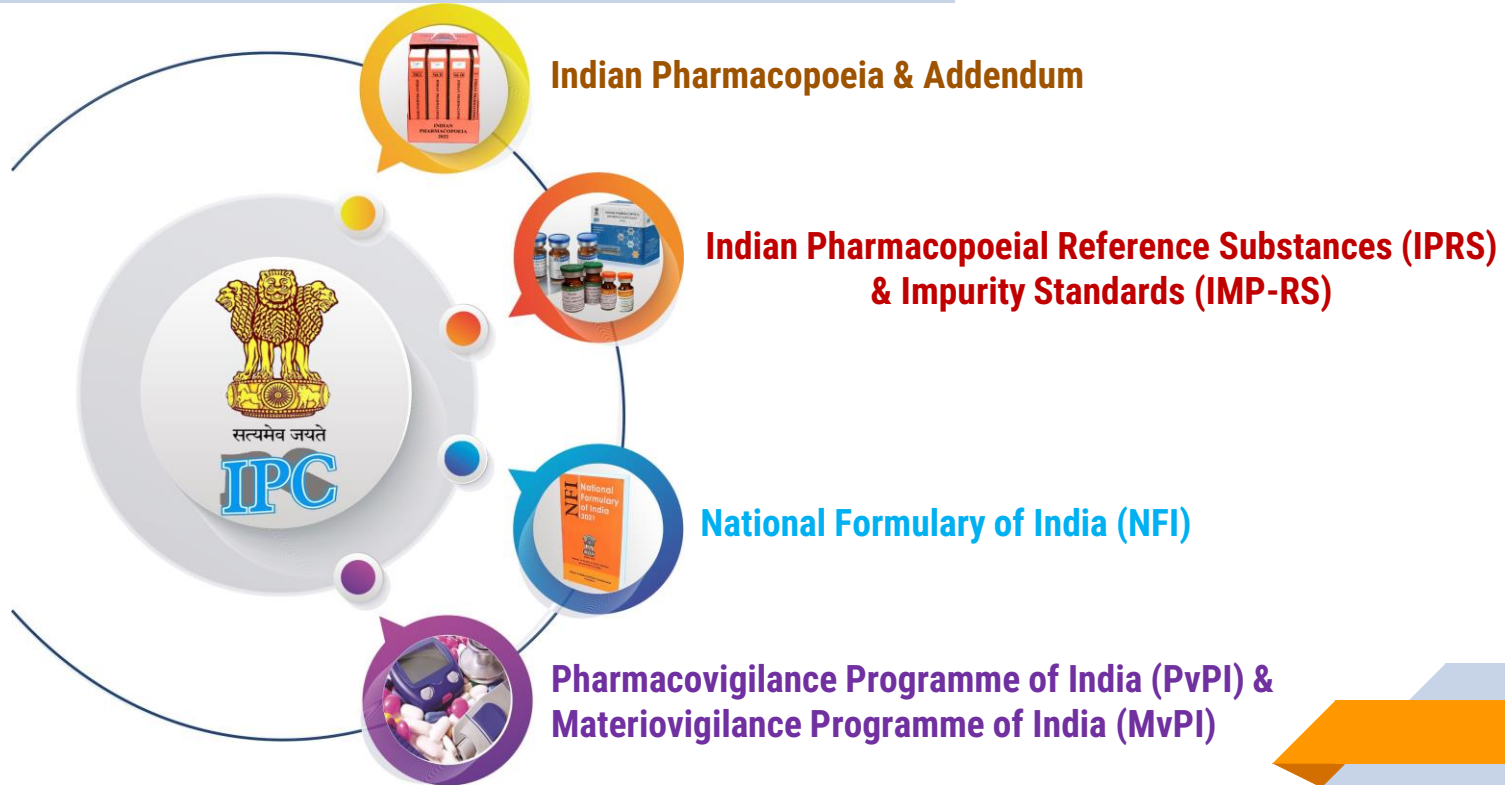


The background features a light blue gradient with a large, dark blue arrow pointing to the right. At the bottom, there is a horizontal orange bar with a 3D effect, pointing to the left.

Materiovigilance Programme of India (MvPI)



Products & services of IPC





What is Materiovigilance?

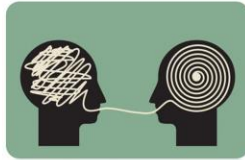
“Materiovigilance is the science and activities related to



Detection



Assessment



Understanding



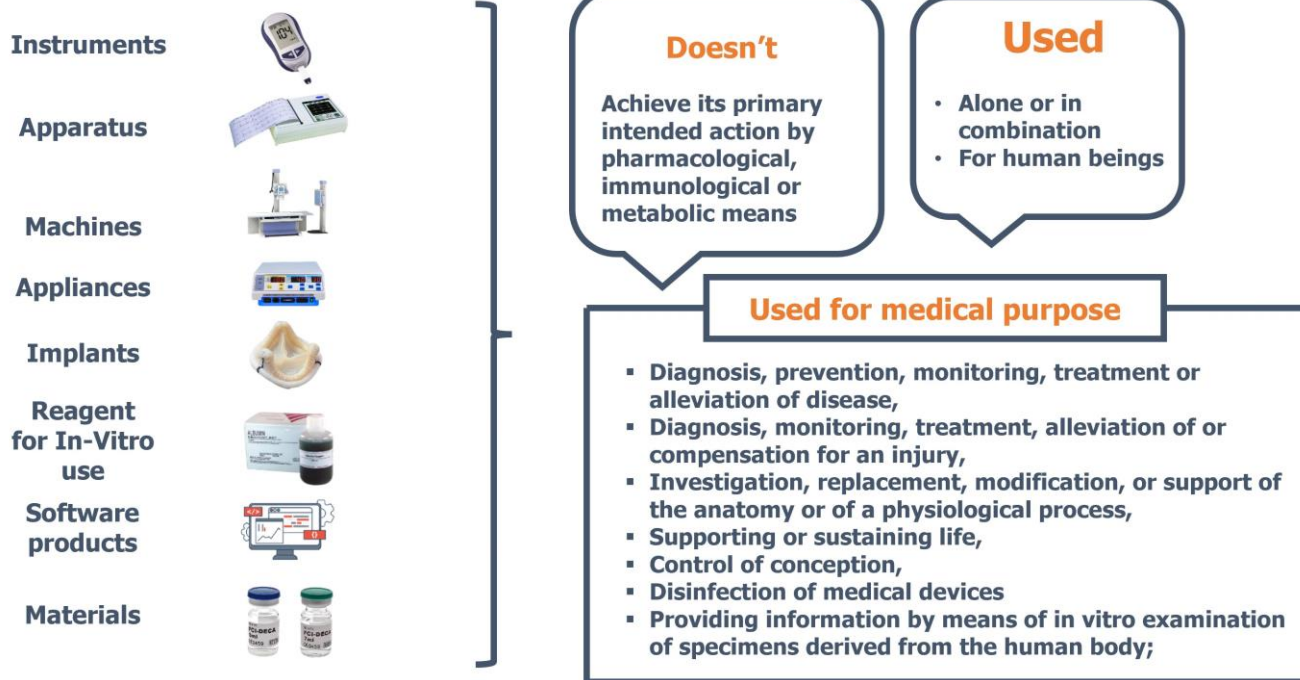
Prevention

**of adverse events or any other medical device related problem
once the device is available for public use”**



What comes under medical device?

As per Medical Devices Rules 2017, medical device means:





How medical device differ from drug ?

Drug	Device
Based on Chemistry & Pharmacology	Based on Engineering
Safety and Efficacy	Safety and Performance/Accuracy
Clinical Trials (4 Phases)	Clinical Evaluation (Feasibility)
GMP	QMS
Local and Systemic Toxicity	Biocompatibility
Long Product Life Cycle	Short Product life Cycle
Drug Interactions	Device Malfunction



Regulation of medical devices

Regulation of all Class C & D Medical Devices Under Licensing regime, w.e.f 01.10.2023

F. No. 29/Misc/03/2022-DC (94)
Central Drugs Standard Control Organisation
Government of India
Ministry of Health and Family Welfare

FDA Bhawan, New Delhi
Dated the April, 2023

CIRCULAR

12 APR 2023

Subject: Licensing regime of Class C & D non-notified medical devices which are currently under mandatory registration, as per GSR 102(E) dated 11.02.2020, under Medical Devices Rules 2017, w.e.f from 01.10.2023 - Regarding.

As you are aware, that the Class C and D non-notified Medical Devices which are currently under mandatory registration, will be under licensing regime w.e.f 01.10.2023, as per GSR 102(E) dated 11.02.2020.

It is pertinent to mention that, as per Medical Devices Rules (MDR) 2017, for grant of manufacturing license of Class C and D medical devices, the inspection needs to be carried out within 60 days from the date of application by the Medical Devices Officers (MDO) of Central Licensing Authority (CLA), to ensure the compliance with Fifth Schedule of MDR 2017.

In order to have smooth transition from mandatory registration to licensing regime, it is suggested that, the manufacturers/importers may apply for grant of manufacturing/import license with all requisite documents and fees as per MDR 2017, through www.cdscodonline.gov.in portal. The application received will be processed proactively, so that, license can be issued within the stipulated time line in order to avoid any disruption of the supply chain of such medical devices and access to the patients.


(Dr. Rajeev Singh Raghuvanshi)
Drugs Controller General (I)

To
All Stakeholders/Associations.

Copy to:
1. All Zonal/Sub-Zonal offices of CDSCO
2. All Port offices.

Regulation of all Class A & B Medical Devices Under Licensing regime, w.e.f 01.10.2022

F. No. 29/Misc/03/2022-DC (257)
Central Drugs Standard Control Organisation
Government of India
Ministry of Health and Family Welfare

FDA Bhawan, New Delhi
Dated the 30th September, 2022

CIRCULAR

Subject: Regulation of all Class A & B Medical Devices under Licensing regime, w.e.f 01.10.2022, as per G.S.R. 102(E) dt 11.02.2020 - Regarding.

The Ministry of Health & Family Welfare (MoHFW) has published notification vide S.O. 648 (E) dated 11.02.2020 specifying all medical devices under sub-clause (iv) of clause (b) of section 3 of the Drugs and Cosmetics Act, 1940, which is effective from 01.04.2020.

In order to regulate all the medical devices, MoHFW has published G.S.R. 102 (E) dated 11.02.2020 for regulation of such devices in phase wise manner. As per the said notification the Class A & B medical devices will be under licensing regime from 01.10.2022.

In the meantime, representations from various Associations and Stakeholders have been received by this office, requesting that the business continuity should not be disrupted due to the implementation of licensing regime w.e.f. 01.10.2022 for Class A & B medical devices.

In view of the above, it has been decided that, in case, if an existing importer/manufacture who is already importing /manufacturing any of Class A or Class B Medical Devices, has submitted application to Central Licensing Authority or State Licensing Authority on or before 30.09.2022, as the case may be, for grant of import /manufacturing licence in respect of the said device(s) under the provisions of MDR, 2017, the said application shall be deemed valid and the importer/manufacture can continue to import /manufacture the said device(s) up to 6 months from the date of issue of this order or till the time, the Central Licensing Authority or State Licensing Authority, as the case may be, takes a decision on the said application, whichever is earlier.

Digitally Signed by Dr. V G
Somani
Date: 30-09-2022 20:41:38
Reason: Approved
(Dr. V. G. Somani)
Drugs Controller General (I)

To
All Stakeholders/Associations.

Copy to:
1. All State Drugs Controllers.
2. All Zonal/Sub-Zonal offices of CDSCO
3. All Port offices.



Classification of medical devices

Low Risk

Class A



Thermometers



Bandages



Wheelchairs

Low-Moderate Risk

Class B



Syringes



Pregnancy Test Kit



Surgical Gloves

Moderate-High Risk

Class C



Ventilator



Intraocular lenses



Bone fixation plate

High Risk

Class D



Implantable Pacemaker



Cochlear Implant



Intra-uterine contraceptive device



Need for Materiovigilance

HOME / NEWS / INDIA / OTHER STATES

New-born baby charred to death in Pune hospital after incubator overheats

September 27, 2017 03:50 pm | Updated 04:06 pm IST - Pune

Johnson & Johnson admitted: Many young patients were affected by faulty hip implants

The Health Ministry committee also found that J&J reported 121 “serious” adverse events to CDSCO from January 2014 to June 2017. But, the report says, “only 48 of such reports are available with CDSCO”.

No medical device is completely devoid of risk. Therefore, it is essential to have a monitoring system to ensure patients and users safety.

Arrow Catheter System Recall Issued Over Risk of Pulmonary Embolism and Death

The manufacturer has received at least 83 complaints of the recalled Arrow Catheter Systems separating while inside a patient’s vein, resulting in more than a dozen injuries.



Explained: How an MRI machine killed a man in Mumbai

Bombay High Court has directed BMC to pay interim compensation of Rs 10 lakh to the family Rajesh Maru, who was killed after he was sucked into an MRI machine at BYL Nair Hospital in January 2018.



Materiovigilance in India

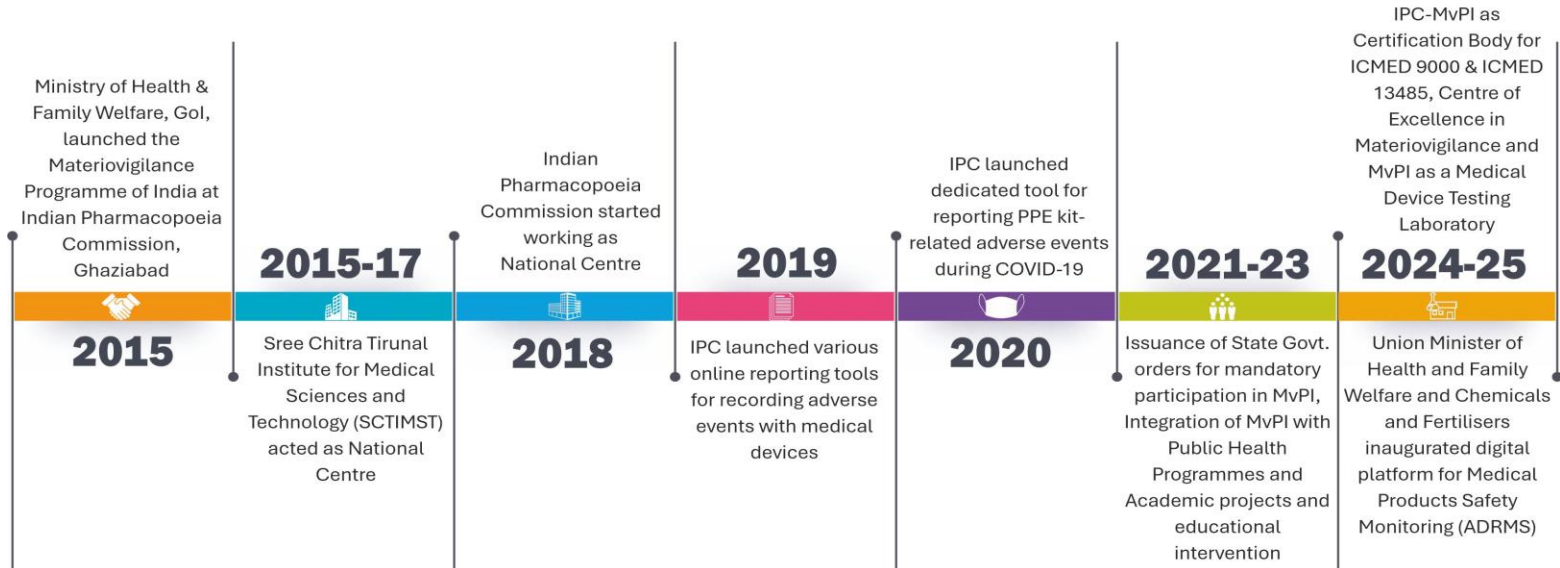
The Materiovigilance Programme of India (MvPI) to monitor the safety of medical devices manufactured/imported/sold in the country was formally **launched on 06th July, 2015 at IPC, Ghaziabad** by The Drugs Controller General (India)





Journey of Materiovigilance in India

Periodic Capacity Building Programme for Stakeholders on MvPI concepts, operations, modalities of reporting, QMS and risk management



Expansion of MvPI pan India - at present, 501 centres are operational under MvPI, more than 500 in queue

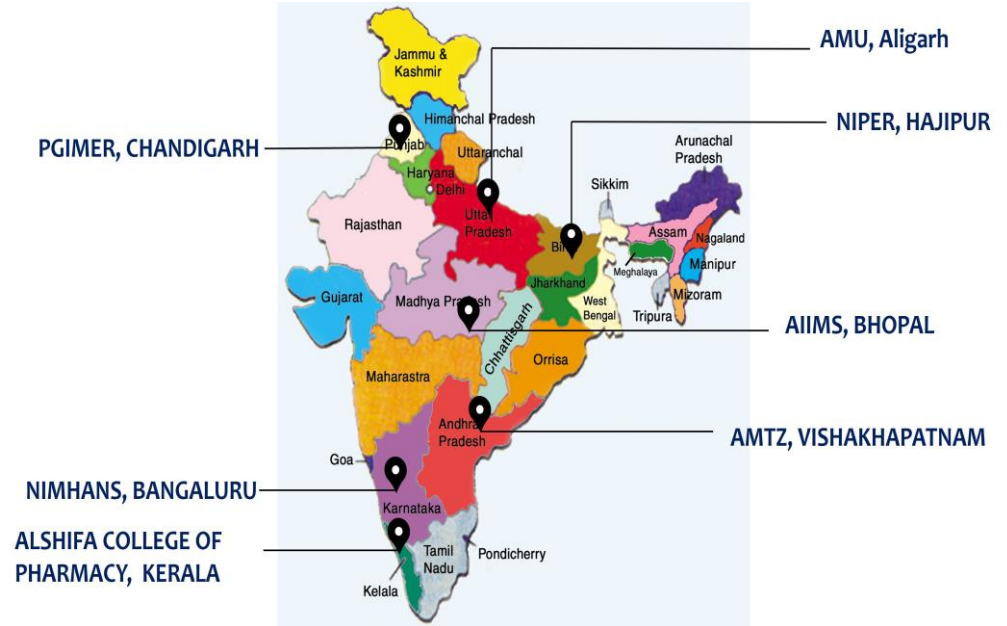


Monitoring Centres

Total MDMCs = 501



Regional Training Centres





Terminologies used in Materiovigilance

Adverse event

Any unexpected or inappropriate medical occurrence, unintended disease or injury, or on inconvenient clinical signs (including abnormal laboratory findings) in subjects, users or other persons, whether or not related to the medical device

Type of adverse event

Serious or Non serious, Expected or Unanticipated, Frequent or Rare



Terminologies used in Materiovigilance

Recall means any action taken by its manufacturer or authorized agent or supplier to remove the medical device from the market or to retrieve the medical device from any person to whom it has been supplied, because the medical device,—

- (a) is hazardous to health; or
- (b) fails to conform to any claim made by its manufacturer relating to its quality, safety or efficacy; or
- (c) does not meet the requirements of the Act and regulatory guidelines



Terminologies used in Materiovigilance

Serious adverse event means an untoward medical occurrence that leads to,—

- (I) a death; or
- (II) a serious deterioration in the health of the subject that either-
 - (A) resulted in a life-threatening illness or injury; or
 - (B) resulted in a permanent impairment of a body structure or a body function; or
 - (C) required in-patient hospitalization or prolongation of existing hospitalization; or
 - (D) resulted in medical or surgical intervention to prevent life threatening illness or injury or permanent impairment to a body structure or a body function; or
- (III) foetal distress, foetal death or a congenital abnormality or birth defect



Who can report ?





What to report ?

- any dysfunction or any change of the characteristics and/or performance of a device, and any inadequacy in the labelling or instructions, which might lead to or have led to death or serious relapse in the state of health of a patient, a user or a third party
- Not only must one notify serious incidents which have actually taken place but also the cases where there was a risk of a serious incident but that incident was avoided thanks to the attention and action of the relevant people



Why to report ?

“Adverse event (incident) reporting is the communication of an event or an issue to those who can make a contribution towards a meaningful outcome”

“To err is human, but not to learn from mistakes and not to communicate the lessons learnt from those mistakes is inexcusable”



How to report ?

MEDICAL DEVICE ADVERSE EVENT REPORTING FORM
 Market Intelligence Program of India (MIPI)

This form is intended to collect information on medical device adverse events to help the team to develop to be used by Manufacturer/Importer/ Distributor of Medical Devices, Healthcare Professionals and anyone with WHO/WHO Knowledge of Medical Device Adverse Events.

Primary Information

1. State of Report : _____
 2. Type of Report : Initial Follow up Final Trend
 3. Reporter Reference No. : _____

Reporter Details

1. Type of Reporter : (a) Manufacturer
 (b) Importer Healthcare Professional Others (specify) _____
 Distributor Patients
 2. In case, where the reporter is not manufacturer, fill the following details :-
 (a) Is the reporter informing the incident to the manufacturer?
 Yes No
 (b) Is the reporter also submitting the report on behalf of the manufacturer?
 Yes No
 3. Reporter contact information:
 (a) Name : _____
 (b) Address : _____
 (c) Tel./Mobile : _____
 (d) Email : _____

Device Category

Medical Device	In Vitro Diagnostic (IVD)	Equipment / Machine
I. Therapeutic <input type="checkbox"/> Diagnostic <input type="checkbox"/>	I. Kits <input type="checkbox"/> Therapeutic <input type="checkbox"/> Diagnostic <input type="checkbox"/>	I. Therapeutic & Diagnostic <input type="checkbox"/>
Implantable device <input type="checkbox"/>	II. Reagent <input type="checkbox"/> Calibrator <input type="checkbox"/>	III. Imaging <input type="checkbox"/>
Non Implantable device <input type="checkbox"/>	IV. Control Material <input type="checkbox"/>	IV. Invasive <input type="checkbox"/> Non Invasive <input type="checkbox"/>
Single use device <input type="checkbox"/>	V. Others <input type="checkbox"/>	V. Others <input type="checkbox"/>
Reusable device <input type="checkbox"/>	VI. IVD electronic reader <input type="checkbox"/>	
Reuse of manufacturer marked single use device <input type="checkbox"/>	Antisep <input type="checkbox"/>	
IV. Sterile <input type="checkbox"/> Non Sterile <input type="checkbox"/>		
V. Personal use / Homecare use <input type="checkbox"/>		

Intelligence by IMA, India, & I
 • For Medical Device/Equipment/Machine | Please fill all the sections I, A, B, C, D, E, F, G
 • For In Vitro Diagnostic (IVD) | Please fill sections I, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

ADRMS

Stepping towards patient's safety

An Indigenous Adverse Drug Reactions Monitoring System (ADRMS) by Indian Pharmacopoeia Commission (IPC) Ministry of Health & Family Welfare, Govt. of India, to ease reporting and monitoring of adverse events (side effects) on patients due to medical products (medicine, vaccine & medical devices) for the safety of patients.

Developed & Maintained by C-DAC

Sign in

Username/ Mobile no.

Password [Forgot password](#)

Remember me on this device

Need an account? Sign up here

A consumer can also report without creating an account
 Medicine & Vaccines | Medical Device | User Manual

TOLL FREE

1800 180 3024

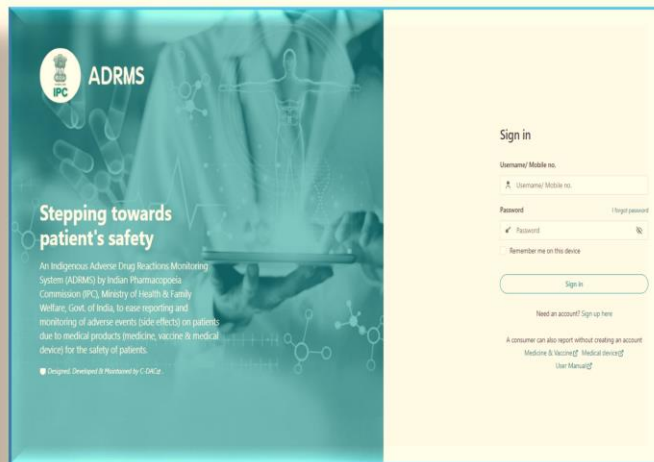
Medical Device Adverse Events (MDAE) Reporting Form

Adverse Drug Reaction Monitoring System (ADRMS)

Helpline Number



Launch of digital platform for medical products safety monitoring



Adverse Drug Reaction Monitoring System (ADRMS)



Union Minister of Health and Family Welfare and Chemicals & Fertilizers, J. P. Nadda launched the Indian Pharmacopoeia Online Portal and the Adverse Drug Reaction Monitoring System (ADRMS) software during the 'First Policy Makers' Forum' in New Delhi.

August 19, 2024



Minimum requirement of a valid MDAE



An untoward event
or outcome



A suspected
medical
device/IVD



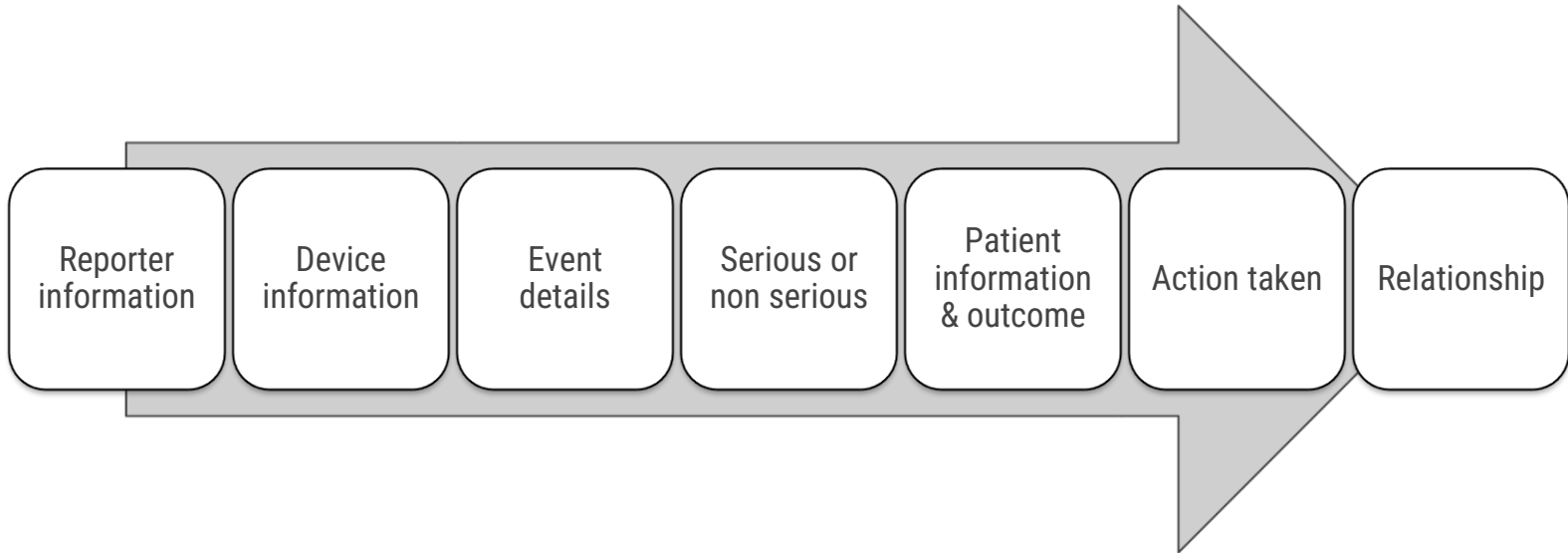
An identifiable
reporter/patient

Online MDAE reporting form is divided in to 09 sections -

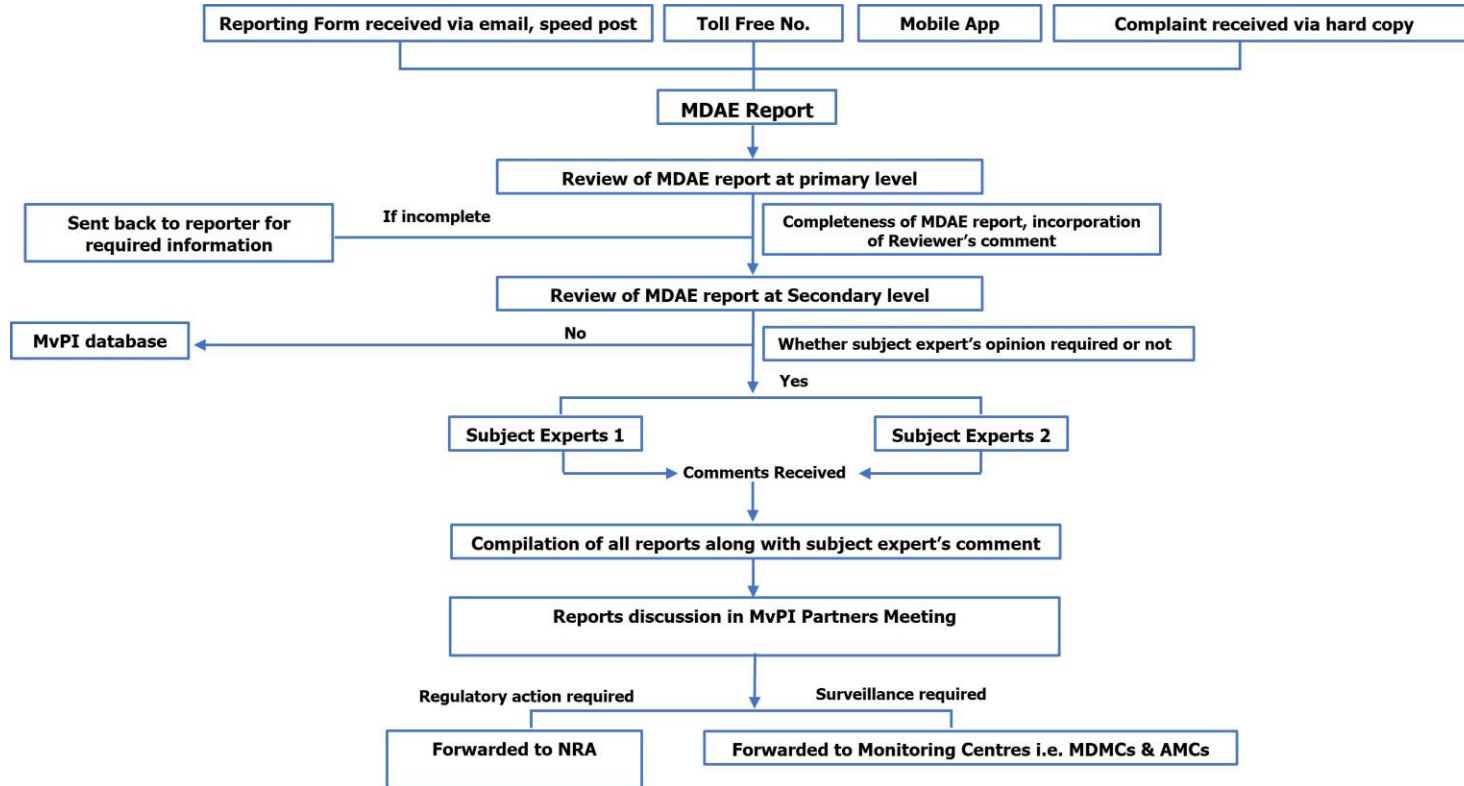
- 01 General Information
- 02 Reporter Details
- 03 Device Category
- 04 Device Details
- 05 Event Description
- 06 Patient Information, History & Outcome
- 07 Healthcare Facility Information
- 08 Causality Assessment
- 09 MAH Investigation & Action taken



Information to be captured in MDAE Form.



Once IPC-MvPI receive Medical Device Adverse Event





Benefits of Materiovigilance

- Generation of medical device safety data based on exclusive population
- Evidence based regulatory decisions can be taken
- Educational initiatives to healthcare professionals for improving safe use of medical devices
- Benefit risk ratio of medical devices can be assessed
- Updation on patient/user information leaflet - New MDAEs, warnings, contraindications and precautionary measures
- Population specific safety data can be generated- paediatric, geriatric, pregnant and lactating women
- Safe and effective use of medical devices can be achieved
- Public confidence can be stored and enhanced



Why Materiovigilance is important?

- ② Safety of native people
- ② To provide safe and effective medical treatment is one of mandate of Nation's Government
- ② Some of the studies revealed that MDAEs are leading to hospitalization or prolongation of hospitalization and constitutes a significant economic burden on patients as well as on country
- ② To avoid sub-standard and incompatible devices, flooded in local market, It is of utmost priority to have a vigilance system in place to record feedback from patients and users

Government initiatives for implementation of Materiovigilance Programme



राजेश भूषण, आईएस
सचिव
RAJESH BHUSHAN, IAS
SECRETARY



भारत सरकार
स्वास्थ्य एवं परिवार कल्याण विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
Government of India
Department of Health and Family Welfare
Ministry of Health and Family Welfare
D.O.No. X.1103/429/2022-DRS
14th October 2022

Dear Colleague,

The Indian Pharmacopoeia Commission (IPC), an autonomous body under the Ministry of Health and Family Welfare, has been functioning as the National Coordination Centre (NCC) for Pharmacovigilance Programme of India (PvPI) and Materiovigilance Programme of India (MvPI) since April, 2011 and January, 2018 respectively. IPC has also been recognized as a WHO-Collaborating Centre for Pharmacovigilance in Public Health Programmes & Regulatory Services in South-East Asia Region. The objective of PvPI and MvPI is to improve the patient safety of Indian population by monitoring the safety of the drug and medical devices and thereby reducing the risks associated with them.

- In pursuance of the mandates given to IPC in so far as PvPI and MvPI are concerned, the IPC is collecting, collating and analyzing the Adverse Reactions on account of usage of drugs & medical devices, and sharing the evidence-based scientific inputs with the Central Drugs Standard Control Organization for further regulatory interventions in order to improve the patient safety.
- So far, PvPI has been able to enroll 567 Adverse Drug Reaction Monitoring Centers (AMCs) and MvPI has enrolled 174 Medical Device Adverse Event Monitoring Centers (MDMCs) across the Country. These Centers are functional health facilities.
- In order to expand both these programmes and scale-up the reporting of Adverse Events with the usage of drugs/medical devices, there is a need to have more and more institutions enrolled as AMCs & MDMCs in each and every district of States/Union Territories in India under PvPI and MvPI.
- Recently Additional Secretary, Government of Kerala has taken an initiative to issue an order on March 10, 2022 to State Mission Director, National Health Mission, Director of Medical Education (DME), Director of Health Services (DHS), Thiruvananthapuram respectively for grant of permission to DME and DHS institutions for enrolling in to MvPI through the institutional arrangements of National Health Mission Kerala (copy enclosed).
- The following are the key benefits of enrolling under MvPI:-
 - Monitoring the safety of medical products through PvPI and MvPI is an ethical and professional duty of healthcare providers and hospitals;

contd. 2/-

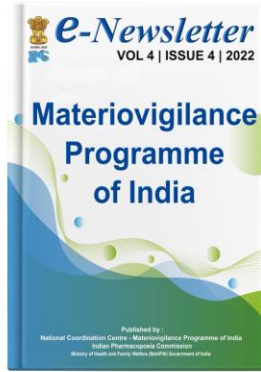
Room No. 156, A-Wing, Nirman Bhawan, New Delhi-110 011
Tele : (O) 011-23061863, 23063221, Fax : 011-23061252, E-mail : secy@nic.in

Subsequent to Health Secretary Letter, following states government has issued the G.O. to medical superintendents and head of the hospitals to enroll and report medical device adverse events to MvPI.

State	Government Order No.	Issued Date	Impact
Kerala	No.533/2022/H&FWD	March 10, 2022	NCC-MvPI has received 43 enrolment form from hospitals
Puducherry	No.843/DMS/PA/2022	December 19, 2022	NCC-MvPI has received 01 enrolment form from hospitals
Tamil Nadu	No.21189/M-1/2022-2	November 16, 2022	NCC-MvPI has received 15 enrolment form from hospitals
Karnataka	ME/Tender/39/2022-23	January 31, 2023	NCC-MvPI has received 07 enrolment form from hospitals

- Secretary, Ministry of Health & Family Welfare, Government of India has issued a letter dated **October 14, 2022** to State Secretaries regarding the enrollment of district level hospitals under Materiovigilance programme of India.

Educational & Communication Materials



Do you know ?

The safety & performance of Pregnancy test kit

Possible Adverse Events

Pregnancy test kit may cause serious adverse events/incidents:

- ❗ False Positive- Incorrect test usage, previous abortions/miscarriage
- ❗ False Negative- Incorrect readings,
- ❗ Reading errors
- ❗ Malfunctioning
- ❗ Disappearing of Control/Test

Regulation:

Pregnancy test kit is regulated as Class C under Medical Devices Rule 2017

Such incidents can be reported via following tools by Healthcare Professionals, Patients/Consumers:

MDAE MONITORING CENTRES

Available on: www.ipc.gov.in

ADR PvPI MOBILE APPLICATION

Available on: Google Play Store

MDAE REPORTING FORM

Available on: www.ipc.gov.in

TOLL FREE 1800 180 3024

Available from: Monday to Friday (9:00 AM to 5:30 PM)

Issued in Public Interest:

Indian Pharmacopoeia Commission

National Coordination Centre, Materiovigilance Programme of India, Ministry of Health & Family Welfare, Govt. of India
Sector-23, Raj Nagar, Ghaziabad-201002
Email: lab.ipc@gov.in shatrunjay.ipc@gov.in Website: www.ipc.gov.in

IF YOU EXPERIENCE any adverse event associated with medical devices

WHAT TO REPORT ?

- All types of adverse events related with medical devices
- Whether known or unknown, serious or non-serious & frequent or rare

WHY TO REPORT ?

- Promote safe use of medical devices and minimizing the risk associated with the use of medical devices
- Update healthcare professionals and other stakeholders on medical device adverse events reporting

HOW TO REPORT ?

Tools for reporting medical device adverse events (MDAEs):

MDAE MONITORING CENTRES
Available on: www.ipc.gov.in

ADR PvPI MOBILE APPLICATION
Available on: Google Play Store

MDAE REPORTING FORM
Available on: www.ipc.gov.in

HELPLINE
Toll Free: 1800 180 3024
Available from: Monday to Friday - 9:00 AM to 5:30 PM

Filed reporting form/query can be forwarded to:
shatrunjay.ipc@gov.in

Indian Pharmacopoeia Commission

National Coordination Centre, Materiovigilance Programme of India
Ministry of Health & Family Welfare, Govt. of India
Sector-23, Raj Nagar, Ghaziabad-201002
Email: lab.ipc@gov.in shatrunjay.ipc@gov.in Website: www.ipc.gov.in

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www.ipc.gov.in | ipc@ipc.gov.in

Toll Free No.: 1800 180 3024

MATERIOVIGILANCE Programme of India

Indian Pharmacopoeia Commission

National Coordination Centre, Materiovigilance Programme of India
Ministry of Health & Family Welfare, Govt. of India
Sector-23, Raj Nagar, Ghaziabad-201002
Email: lab.ipc@gov.in shatrunjay.ipc@gov.in Website: www.ipc.gov.in

Information sharing

Research Article Type	Quantity
Knowledge, Attitude & Practice Based Study	1
Review Article	5
Research Article	1
Policy & Practices	1
Guest Editorial	1
Book Chapters	2
Total	11

Policy & practice

How to improve regulatory practices for refurbished medical devices

Shatrurajay Shukla,¹ Vivekanandan Kalaiselvan² & Rajeev Singh Raghuvanshi³

Abstract Modern health-care facilities rely on medical devices and equipment. However, keeping up with the development of new technology is unfeasible for many health facilities, especially in low-resource settings. Thus, the demand for refurbished medical devices is increasing worldwide, especially in low- and middle-income countries. Refurbished medical devices are restored devices that are rebuilt to meet safety and performance requirements comparable to their condition when new, without changing the intended use of the original device. While new medical devices are controlled by well-established and stringent safety and quality regulations, a great variation in the regulations of refurbished medical devices exists across countries. Here we discuss the different regulations and practices specific to refurbished medical devices in countries of major markets. We also explore the opportunities and challenges for expanding the refurbished medical device market. Finally, we suggest that regulatory guidelines pertaining to the import, sale, labelling and use of a refurbished medical product are needed, and authorities should implement these guidelines to ensure a high quality and safety standard of refurbished devices.

Abstracts in 中文, Français, Pycckий and Español at the end of each article.

Introduction

Medical devices are an indispensable part of health-care systems and are used for prevention, diagnosis, treatment, monitoring, rehabilitation and palliation.¹ Examples of such devices

devices of that same kind, so as to create a medical device that can be used for the purpose originally intended by the product owner of the original medical device, and which may have had the following work carried out on it: (i) stripping into component parts or sub-assemblies; (ii) checking their suitability for use;

Indian J Ophthalmol. 2020 Nov; 68(11): 2343–2345.
doi: [10.4103/ijo.IJO_298_20](https://doi.org/10.4103/ijo.IJO_298_20)

PMCID: [PMC7774212](https://pubmed.ncbi.nlm.nih.gov/PMC7774212/)
PMID: [33120612](https://pubmed.ncbi.nlm.nih.gov/33120612/)

Intraocular devices associated adverse events reporting system in India

Vivekanandan Kalaiselvan and Rohit Saxena¹

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Lessons from the field

Implementation of adverse event reporting for medical devices, India

Shatrurajay Shukla,¹ Madhur Gupta,¹ Sabitri Pandit,¹ Milu Thomson,¹ Abhimanyu Shivhare,¹ Vivekanandan Kalaiselvan² & Gyandendra Nath Singh³

Problem Rapid growth in the use of medical devices has drawn attention to gaps in the systematic monitoring of medical device-associated adverse events in India.

Approach Implementation of national regulations on medical devices started in January 2018. Supported by a nationwide network of monitoring centres, the Indian Pharmacopoeia Commission coordinates adverse event reports from manufacturers, legal representatives and patients or users. The commission follows-up and reviews reports with subject expert groups and sends recommendations on necessary action to the national regulatory authority.

Local setting Before 2015, no systematic structure was in place to collate adverse events associated with medical devices. Several reports of deaths and hospitalization due to faulty hip implants, cardiac stents and poor-quality devices prompted the health ministry to launch the materiovigilance programme.

Relevant changes From July 2015 to October 2019, the commission received 1921 adverse event reports, mostly from marketing authorization holders; 1277 were serious events. Reporting increased markedly after 2017. Cardiac stents were the most reported device (926 events; 47.95%). To encourage a culture of reporting, the commission has raised awareness about the programme among stakeholders, developed user-friendly reporting tools and guidelines, and conducted training for hospital personnel on medical device adverse event reporting.

Lessons learnt Regular training to stakeholders develops a sense of responsibility towards reporting medical device adverse events and ensures quality data reporting. Reports must be assured that reporting adverse events does not have any legal implications for them and given acknowledgement of their role in high-quality device-associated adverse event reporting.

Abstracts in 中文, Français, Pycckий and Español at the end of each article.



Opinion Paper

Materiovigilance Programme of India: A scheme to assure cardiovascular devices safety surveillance

V. Kalaiselvan^{1,2}, Santanu Kumar Tripathi³, Jai Prakash⁴

¹ Indian Pharmacopoeia Commission, Ministry of Health & Family Welfare, Government of India, Sector 22, Raj Nagar, Ghaziabad, UP, 201002, India
² Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata, 700073, India

Graefes' Archive for Clinical and Experimental Ophthalmology (2022) 260:2103–2110
<https://doi.org/10.1007/s00417-022-05578-w>

REVIEW ARTICLE

Acute intraocular toxicity caused by perfluorocarbon liquids: safety control systems of medical devices

Girish K. Srivastava^{1,2}, Vivekanandan Kalaiselvan³, Cristina Andrés-Iglesias¹, Shatrurajay Shukla³, Rohit Saxena⁴, Jose Carlos Pastor^{1,2,5}

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Brief Research Article

Health-care Professionals' Perception toward Medical Device Postmarket Surveillance Practices: A Cross-sectional Study in India

Shatrurajay Shukla,¹ Bishah Ranjan Meher,¹ Archana Mishra,¹ Shubhang Arora,¹ Vivekanandan Kalaiselvan,¹ Rajeev Singh Raghuvanshi¹

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Summary

A cross-sectional, web-based survey was conducted to assess the health-care professionals (HCPs) perception toward existing medical device postmarket surveillance (PMS) practices in India. A total of 1756 responses (medical practitioners [19.8%], nurses [22.5%], pharmacists [21.4%], and biomedical engineers [13.8%]) were recorded and analyzed. About 71.2% of participants were aware about the ongoing PMS program, 87.5% were aware that medical devices are under regulation in India, and 83.3% were aware about who can report medical device adverse event (MDAE). About 56.3% of participants agreed that they take regular feedback from patients after using high-risk medical device. Majority of participants (69.4%) were aware about tools for reporting MDAE and the online reporting form is the most preferable tool among users. About 76.2% of participants were agreeing that reporting of MDAE is their professional ethical responsibility. This study reveals that Indian HCPs show a good understanding of PMS practices and a positive perception toward MDAE reporting. However, underreporting still remains a challenge in India.

Key words: Adverse events, Materiovigilance Programme of India, medical device, postmarket surveillance

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Materiovigilance Programme of India: Current status and way forward

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Abstract

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A cross sectional analysis of medical device associated adverse events with radiotherapy devices – A materiovigilance study

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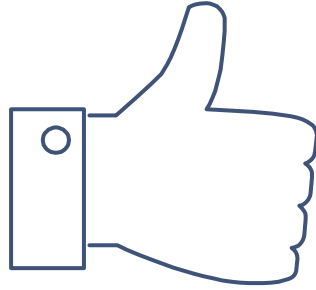
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THANKS!

Any questions?

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