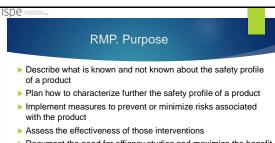


### ISPE International Sectory

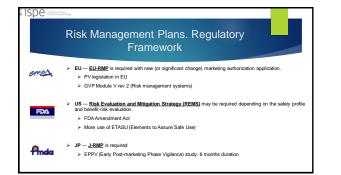
# What is a Risk Management Plan?

- Document to describe the risk management system considered necessary to identify, characterize and minimize a medicinal product's important risks.
- It contains:
  - the medicine's safety profile (safety specification);
  - how its risks will be prevented or minimized in patients & plans for studies and other activities to gain more knowledge about the safety and efficacy of the medicine (Parmacovigilance plan);
  - measuring the effectiveness of risk-minimization measures (Risk Minimization Plan).





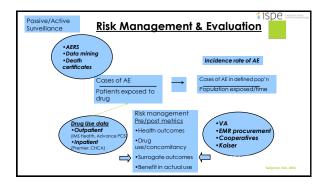
Document the need for efficacy studies and maximize the benefit risk balance of the product



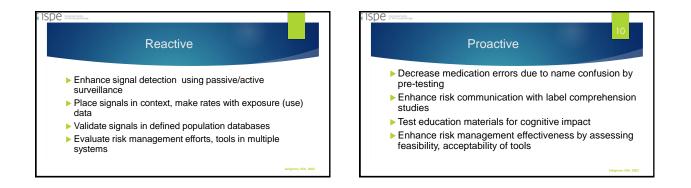
# ISPE reverse for the second second

# FDA's Role in Risk Management

- Guidance documents
  - > Development of clear standards and definitions
- Support validation of regulatory risk management tools
- Post-marketing surveillance
- Monitor Phase IV studies



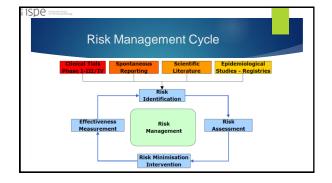




# RMP in the Lifecycle of a Medicine

RMPs are modified and updated throughout the lifetime of the drug as new information becomes available

- An updated RMP needs to be submitted:
- at the request of the Health Agency
- when the risk management system is modified
- result of new information that may lead to a change of the benefit-risk profile
   result of an important pharmacovigilance/risk-minimization milestone
- Risk management is a complex process, which needs a governance structure.



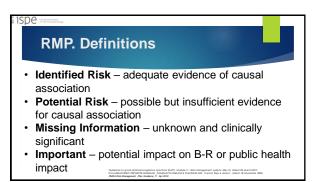
# Safety specification Pharmacovigilance plan Risk minimization plan

# ISPE remaind Science

# RMP. Definitions

- Safety specification <u>Characterization of risks</u>: epidemiology, disease characteristics, potential mechanism of action, nonclinical / clinical data
- Pharmacovigilance Activity identify and further characterization of the risk (routine or additional)
- Risk Minimization Measure prevent or reduce occurrence or reduce severity of risk (routine or additional)

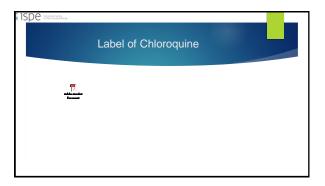


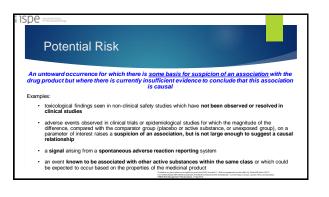


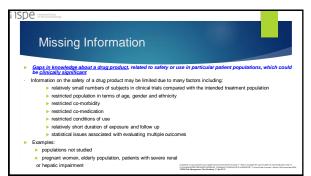
### ISPe terreteristic

# **Identify Risk**

- An untoward occurrence for which there is adequate <u>evidence of a causal association</u> with the drug
- Examples:
  - an adverse reaction adequately demonstrated in non-clinical studies and confirmed by clinical data
  - an adverse reaction observed in well-designed clinical trials or epidemiological studies for which the magnitude of the difference compared with the comparator group on a parameter of interest, suggests a causal relationship
  - an adverse reaction suggested by a number of well-documented spontaneous reports where causality is strongly supported by temporal relationship and biological plausibility such as anaphylacitic reactions







### ispe

# **Missing Information**

- Considerations in the definition:
   gaps in knowledge about the safety of a medicinal product for certain anticipated utilization or for use in particular patient populations, for which there is **insufficient knowledge** to determine whether the safety profile differs from that characterized so far.

  - The <u>absence of data itself</u> (e.g. exclusion of a population from clinical studies) <u>does not automatically constitute a safety concern</u>. The risk management plan should focus on situations that might differ from the known safety profile.
- A <u>scientific rationale</u> is needed for the inclusion of that population as missing information in the RMP.
   Not enough safety data in a defined population

### spe

### **Missing Information**

- · Evidence of a potential concern in not tested population Suspicion of safety concern in the population insufficiently exposed, but included in the indication (e.g. cardiac safety in elderly; no upper age limit, benefit and safety extrapolated)
- Always has to be <u>relevant for the approved indication</u>

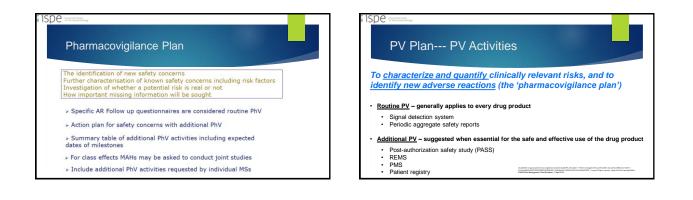
   e.g. missing information safety in children should not be part of the list of safety concerns if product is not authorised in this population
- Including an item as missing information in RMP usually means activities to
- further characterize this population are necessary (ie, include in PV plan) or risk minimization activities beyond the routine are needed Missing information without additional risk minimization activities is not
- advisable to be in the RMP

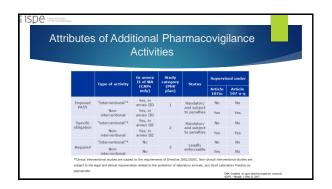
# Ispe Important. Definition Risk that could have an impact on the risk benefit balance of the drug product or have implications for public health Factors to consider: ▶ the impact on the individual ▶ the seriousness of the risk > the impact on public health

Any risk that is likely to be included in the contraindications or warnings and precautions section of the product information should be considered

. important











# ISPE EVENTERIAL Risk Minimization Measures. Definition

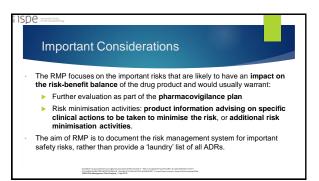
- Interventions intended to prevent or reduce the occurrence of adverse reactions associated with the exposure to a medicine, or to reduce their severity or impact on the patient.
- Goal: to optimize the safe and effective use of a medicinal product throughout its life cycle



Example	e of Patien	t Alert Card	
	Patient Information	Please ask your doctor to complete this section.	Eliquis <sup>®</sup> (apixaban)
IT IS IMPORTANT YOU CARRY THIS CARD WITH YOU AF ALT THES WHILE YOU ARE TAXING EURODY SHOW THE CARD TO YOUR PHARMACST, DIRITIS CARD TO YOUR PHARMACST, DIRITIS CARD TO YOUR PHARMACST HEALTHCARE PROFESSIONAL THAT THEAT YOU.	Name of patient	Indication for anticoagulation	Patient Alert Card 5 mg and 2.5 mg twice daily
	Date of birth	Dosage of Eliquis <sup>®</sup>	This medicinal product is subject to additione monitoring. This will allow quick identification of new safety information. If you get any side effects
		Contact details of prescribing physician	talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in th card. You can also report side effects directly to the Medicines Authority at Post-licensing
			Directionete, 2003, Level 3, Bais Cl'Argens, Galra G L1068, MML7A, webform at: www.medicinesauthority.gov.mt/adrportal or + to Pitter Hellas Pharmacorigilance Department corritat details: el 30 210 67 81 061 and +10 210 85 808 (24-hoar line), or their local representat VJ. Saloncee Pharma 10, Tel1356 2120174. reporting side effects, you can help previde mo information on the addity of this medicine.



15pe	U-RMP.	Template	
	Part I Part II Module SI Module SII Module SIII Module SV Module SV Module SVI Module SVI	Product(s) overview Safety specification Epidemiology of the indication(s) and target population(s) Mon-chinical parts of the safety specification Clinical trial exposure Populations on scittadien a chinical trials Peak-shahorisation experiment Methodika and operation links addry specification Methodika and specification	
	Module SVIII Part III Part IV Part V	Summary of the safety concerns Pharmacovigilance plan (including post-authorisation safety studies) Plans for post-authorisation efficacy studies Risk minimisation measures (including evaluation of the effectiveness of risk minimisation activities)	
	Part VI Part VII	Summary of the risk management plan Annexes	



### 1Spe mention

## Important Considerations

### Not all ADRs are risks

- ADR versus clinical outcome (risk): dizziness (ADR) versus falls (risk), neutropenia, thrombocytopenia (ADRs) versus infections and bleeding (risks).
- Not always a clear cut!

### Not all risks are important risks/missing information

Either a risk/missing information is important enough to require risk management activities (PV activities and/or RM activities) beyond the routine, or it is not important enough to include in the RMP improvement of the second and the second activities activities and the second activities activities and the second activities activitities activit

