



Post-Market Surveillance

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Regulatory requirements and guidance documents



Regulation

Medical Device Regulation
Chapter VII, Article 83-86, 88 and Annex III

Commission Guidance

MDCG 2020-7 Guidance on PMCF plan template
MDCG 2020-8 Guidance on PMCF evaluation report template

Planned guidances

4. Post-Market Surveillance and Vigilance (PMSV)				
MDR + IVDR	Guidance on Periodic Safety Update Report requirements		Q4 2021	PSUR for MDR to be later adapted for IVDR
MDR + IVDR	Guidance on Post-Market Surveillance requirements	MS	Q2 2022	Work to be coordinated with the Market Surveillance WG

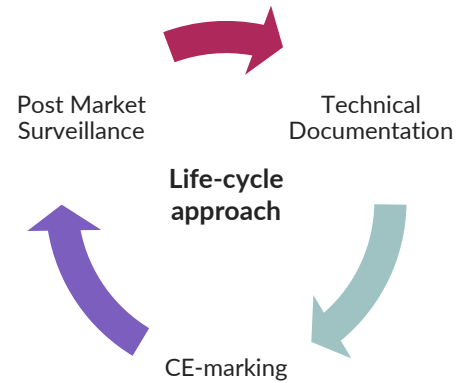
Other Guidance

ISO/TR 20416:2020 Medical devices — Post-market surveillance for manufacturers



Post-market surveillance system

"The post-market surveillance system shall be suited to **actively and systematically gathering, recording and analysing relevant data** on the quality, performance and safety of a device throughout its entire lifetime, and to drawing the necessary conclusions and to **determining, implementing and monitoring any preventive and corrective actions**"



Part of company QMS

For which devices?

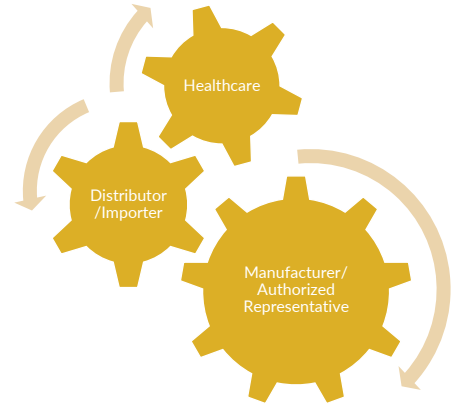
Post-market surveillance;

- is relevant for all medical devices, regardless of risk class
- is relevant for both devices fulfilling MDR **as well as** legacy devices (fulfilling MDD)
- shall be proportionate to the risk class and appropriate for the type of device



Who shall collect data?

- Responsibility of the legal manufacturer of a medical device
- Input needed from healthcare and other economic operators such as distributors and importers hence close collaboration is needed.
 - Requirements for economic operators are listed in Article 13 and 14



When to collect data?

Throughout the life-cycle of the device.

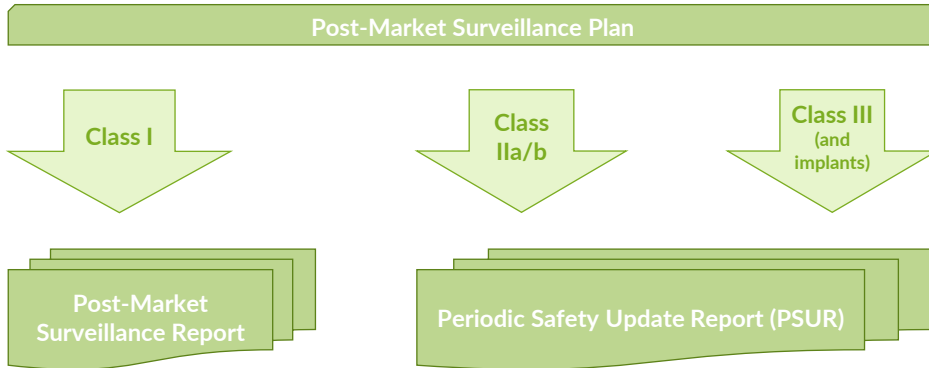
Timeline for when to compile reports for post-market surveillance is based on risk class of the device;

- Class I- when necessary
- Class IIa- at least every two years
- Class IIb and class III- at least annually

Same timelines applicable for legacy devices

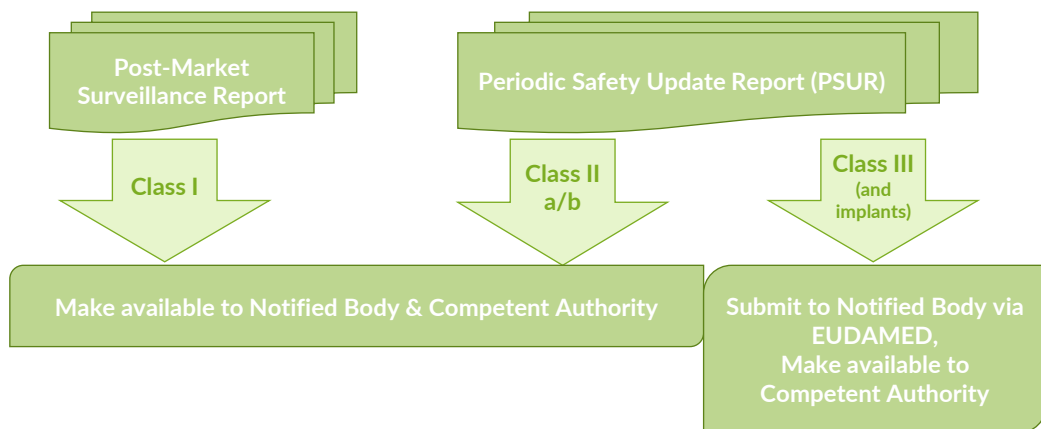


What documentation is needed?



For description of content, see MDR and ISO/TR 2416

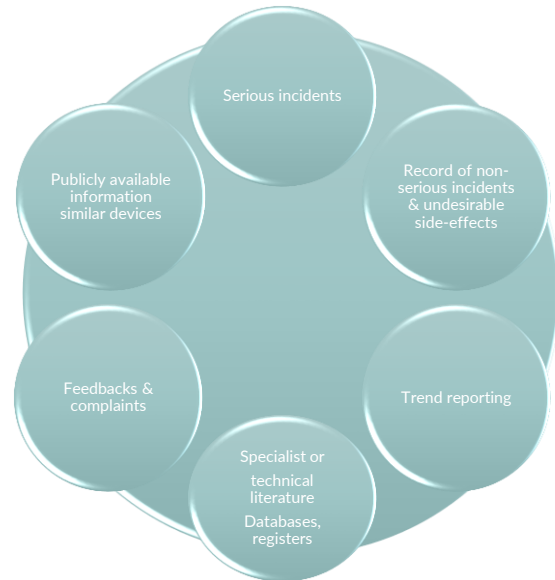
What documentation to report externally?



What to collect?

In particular, the following data shall be addressed

Ensure data is reliable-
consider data quality and integrity!
ISO/TR 20416 recommends
an appraisal of data



How to collect?

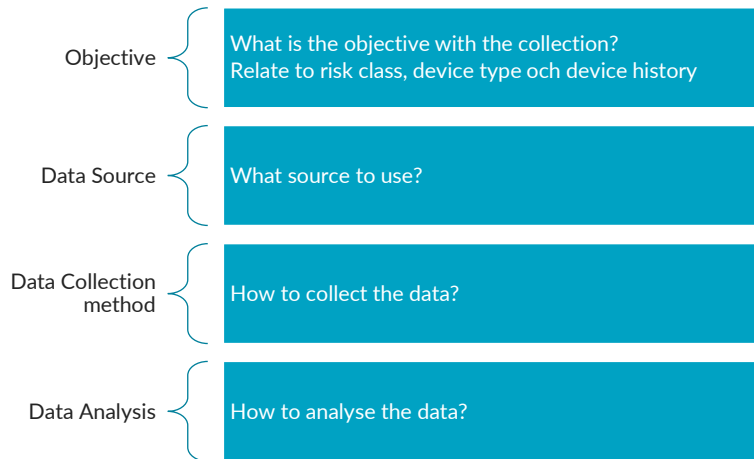
Proactive

- Collect info via a survey, ask users
- Literature search
- Search in registries, MAUDE database
- Post-market clinical follow-up studies
- Information from regulatory agencies, for example on recalls

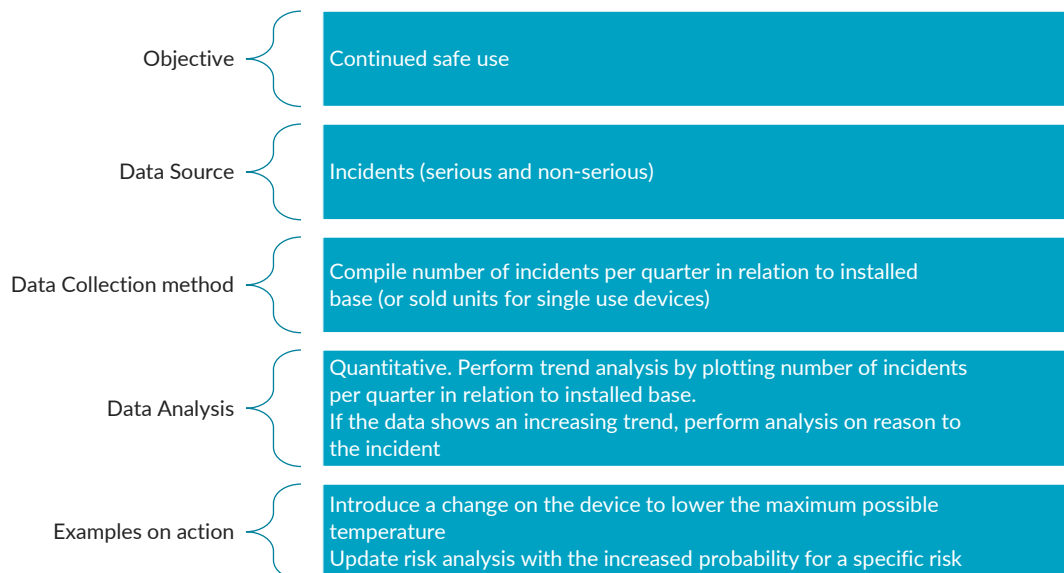
Reactive

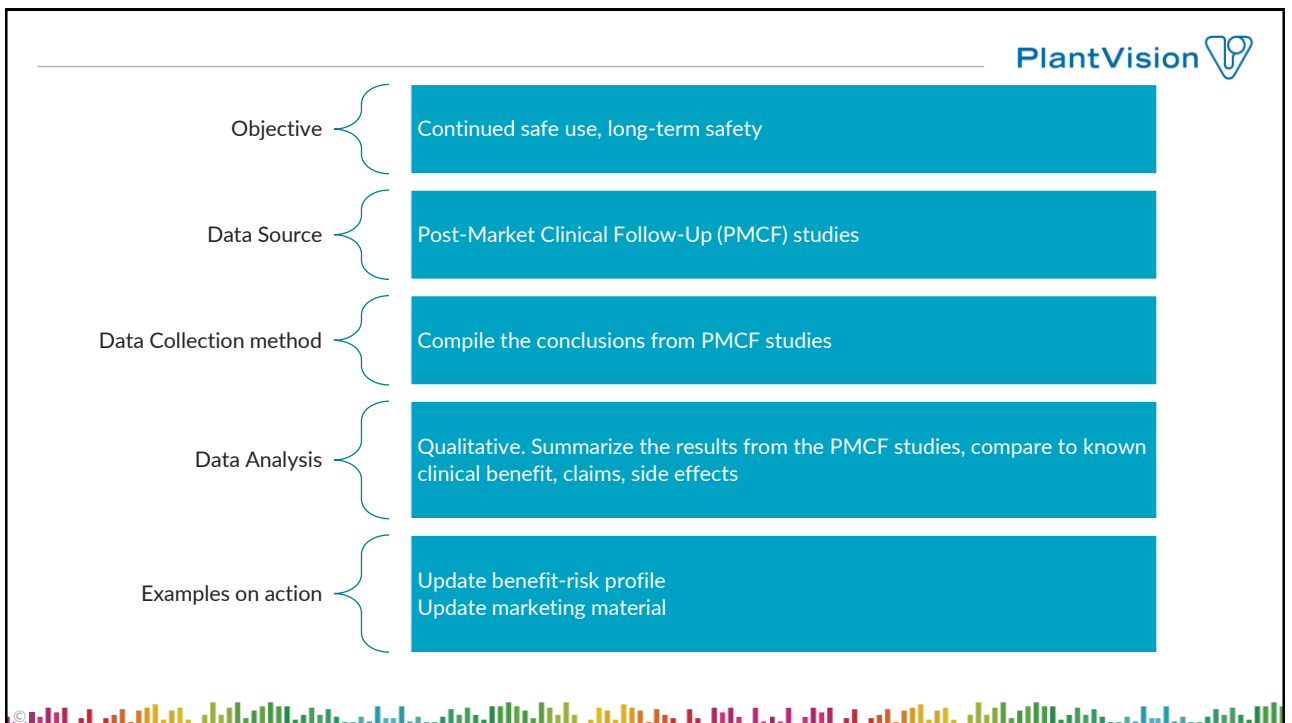
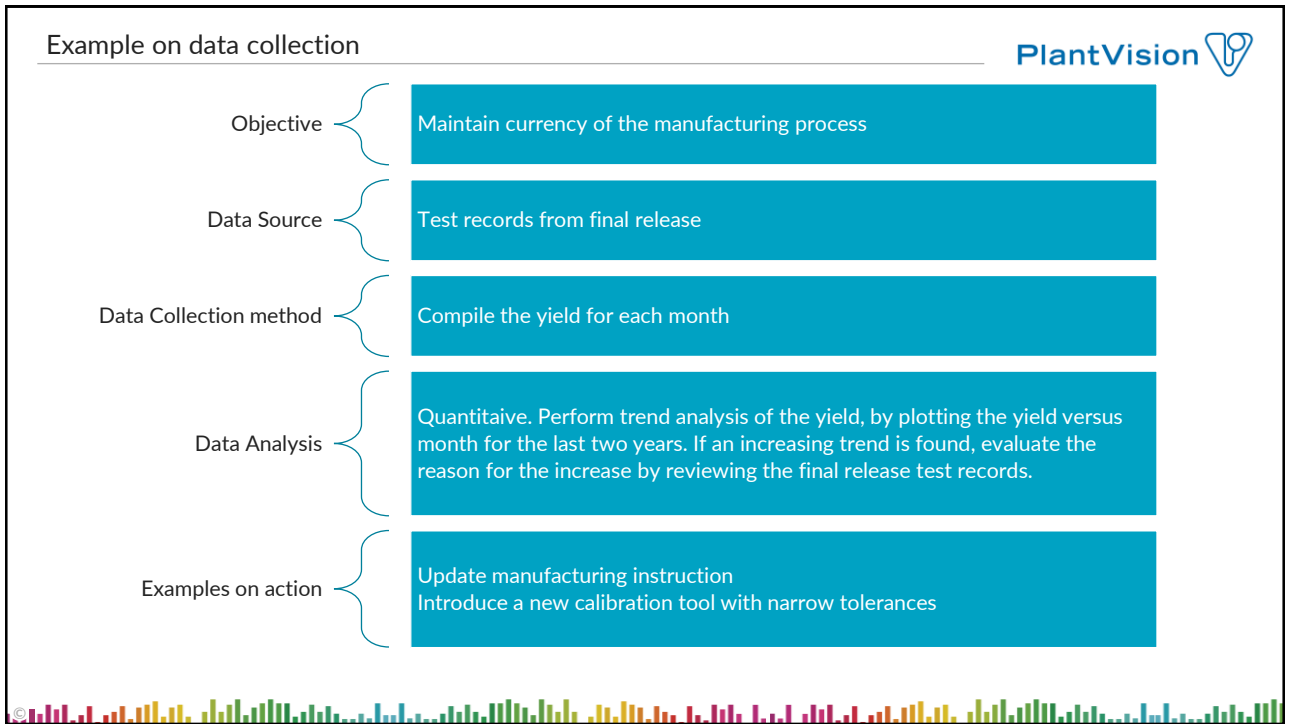
- Review of incoming complaint/incidents
- Review of incoming "casual" information/observations by user, healthcare or sales team
- Review of service/maintenance reports
- Review of regulatory compliance notifications

What needs to be defined before collection can start?



Example on data collection





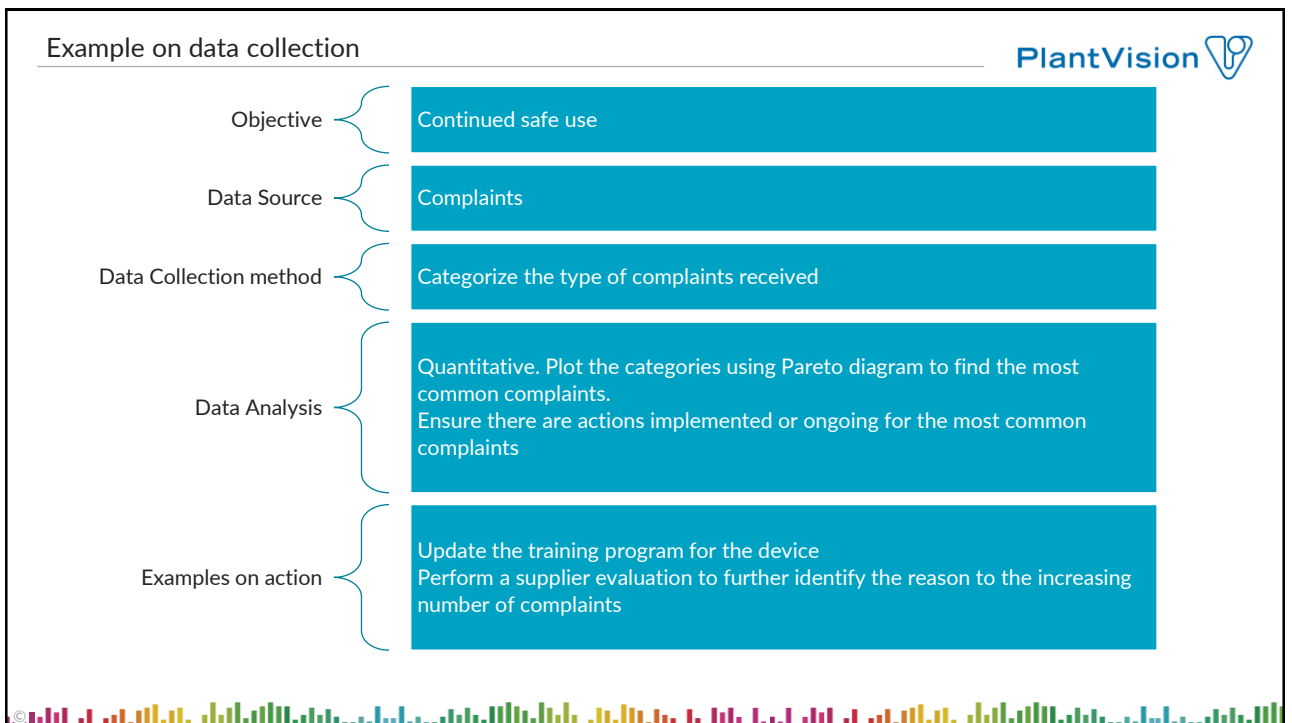
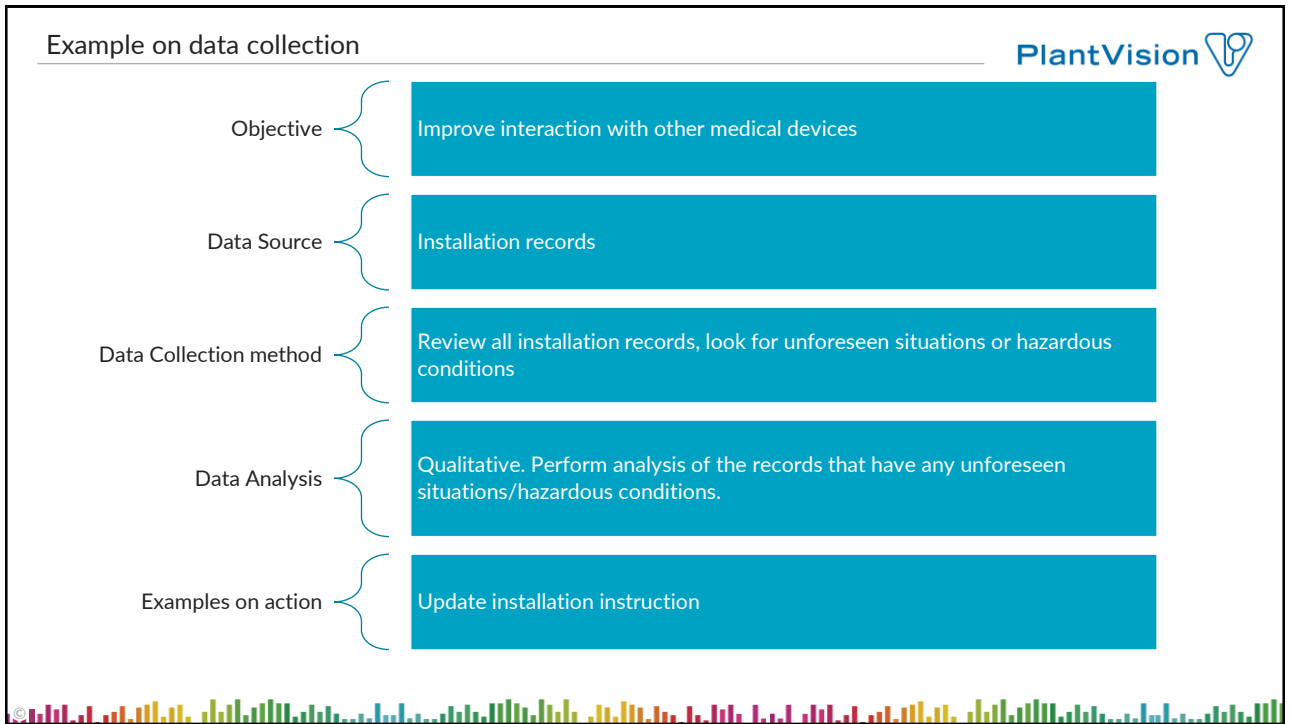
Interface with other processes

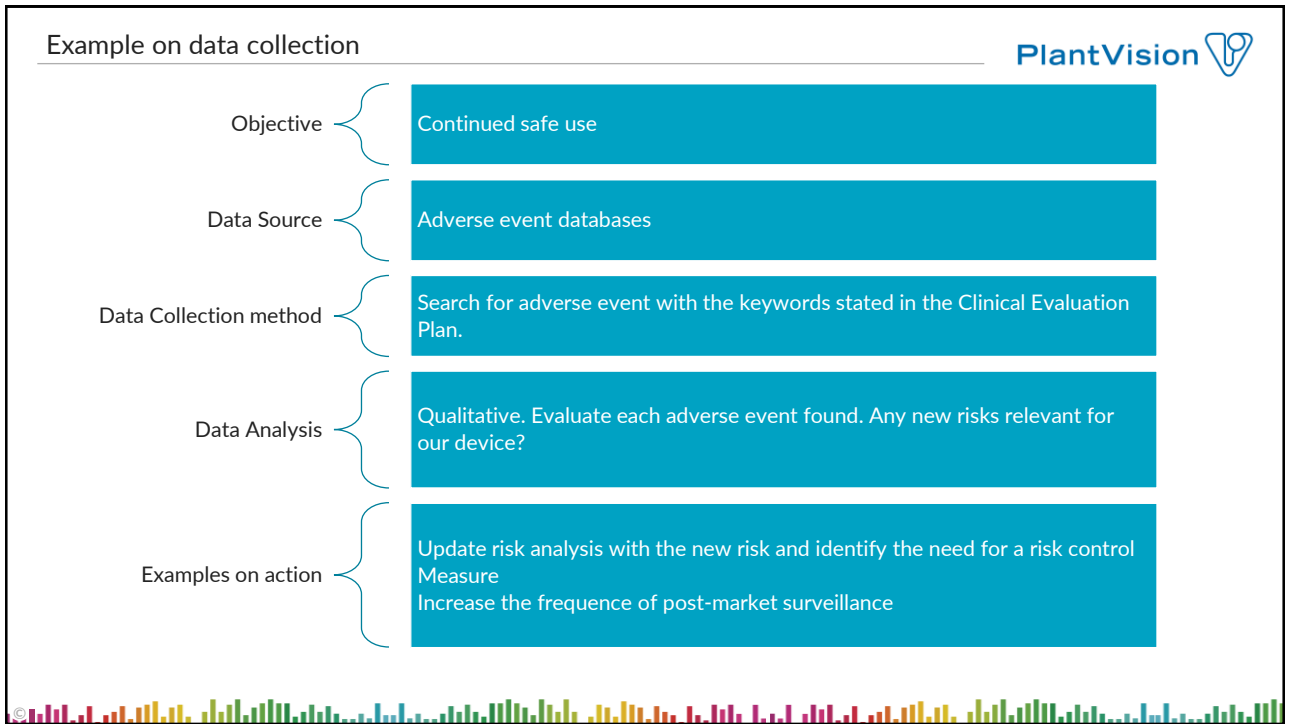
- Design and Development
- Risk management
- Clinical evaluation
- Regulatory reporting
- Marketing and sales
- Change management




Example on data collection

Objective	Monitor continued satisfaction of the users
Data Source	Customer surveys
Data Collection method	Perform a customer survey on usability. Summarize the result.
Data Analysis	Quantitative and qualitative. Plot data where applicable. If possible, identify the reason for low usability. Evaluate all additional information added by the user.
Examples on action	Update the GUI to enhance usability





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Thank you for listening!

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