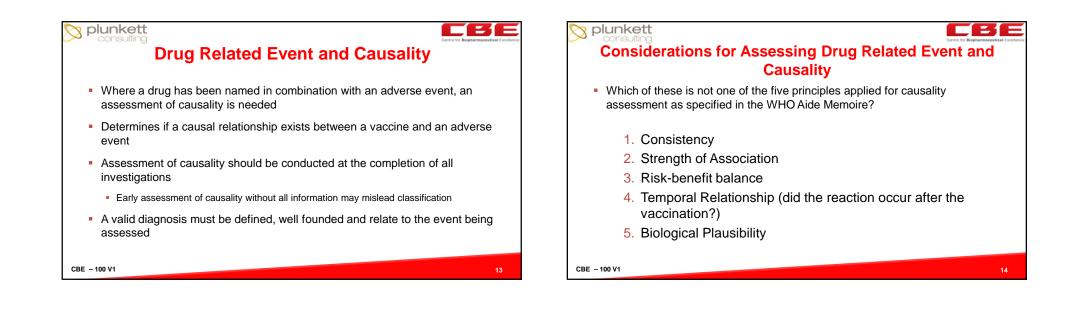
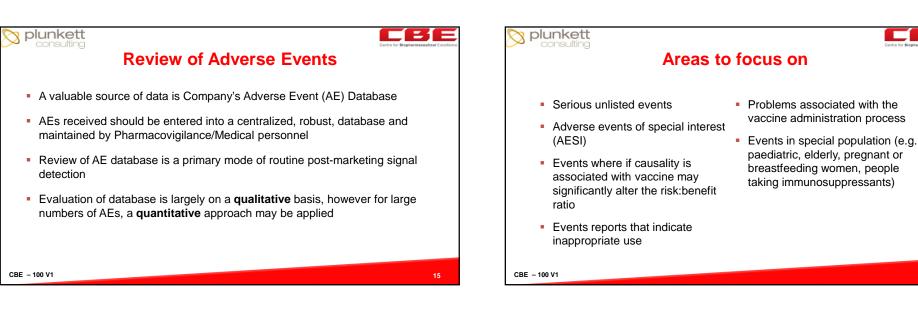
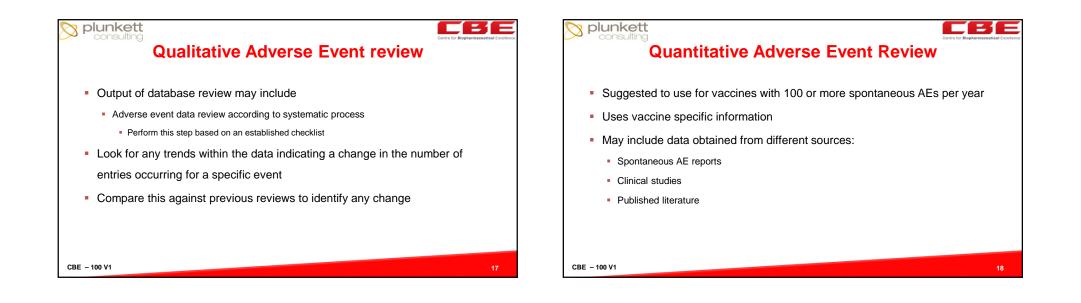


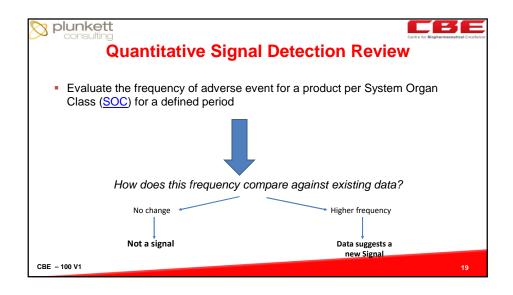
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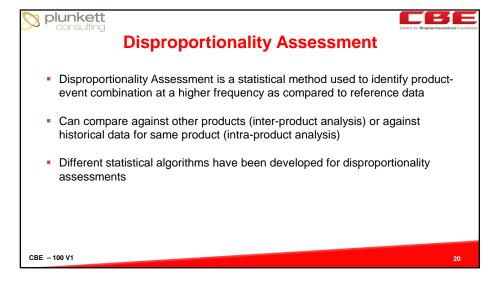
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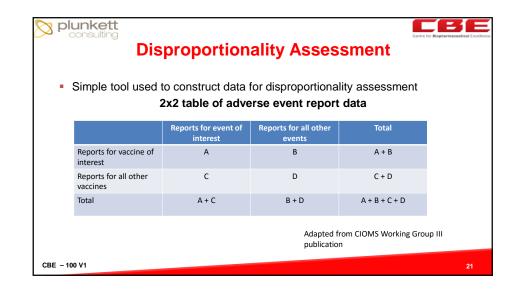






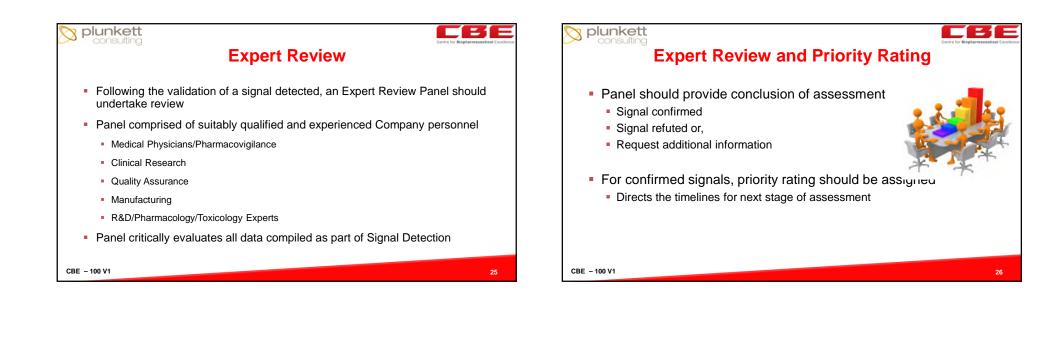


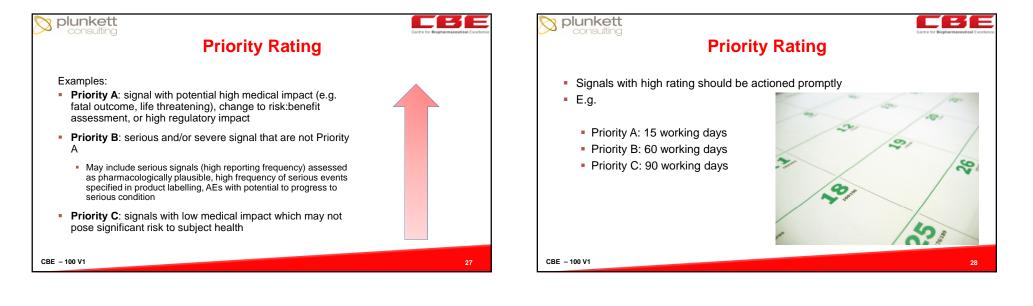


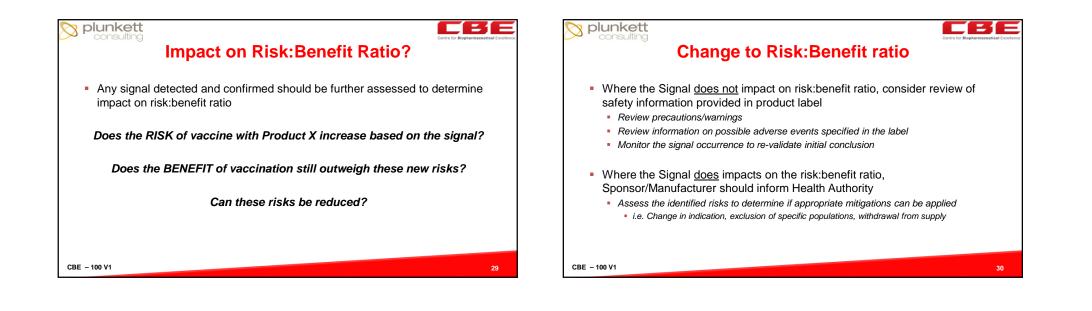


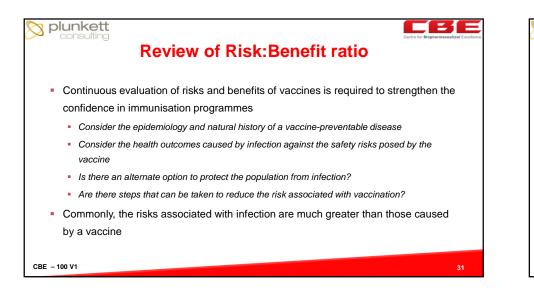
plunkett Све \sim **Disproportionality Assessment** Common statistical methods of association include Statistic Formula Proportional Reporting Ratio (PPR) A(C + D) / C (A+B)Reporting Odds Ratio (ROR) AD / CB Relative Reporting (RR) A(A + B + C + D) / (A + C)(A + B)Information Component (IC) $Log_{2}[A(A+B+C+D)/A(A+C)(A+D)]$ Adapted from CIOMS Working Group III publication CBE - 100 V1

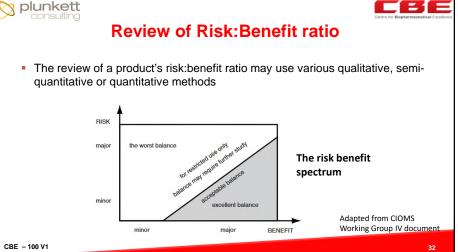


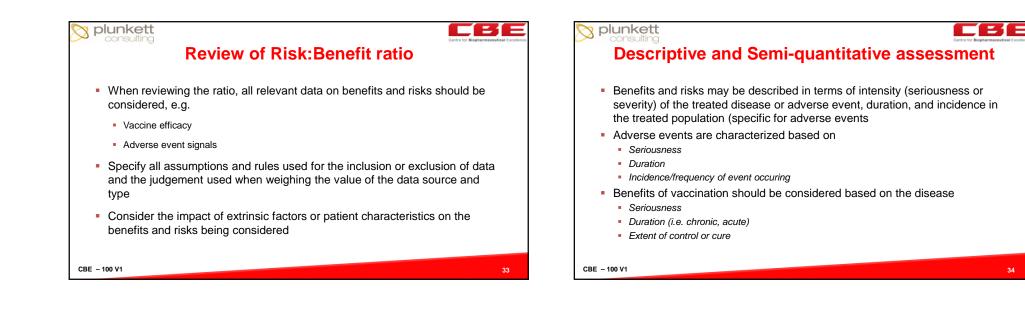


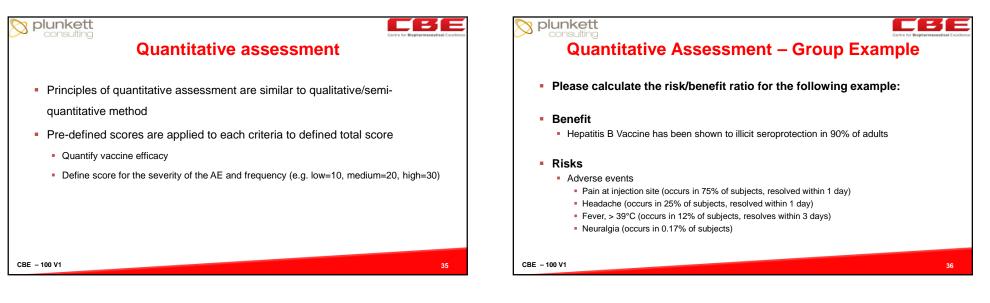


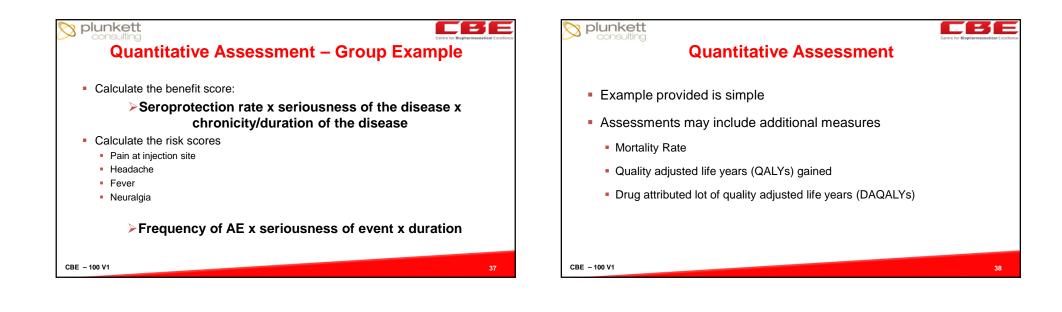


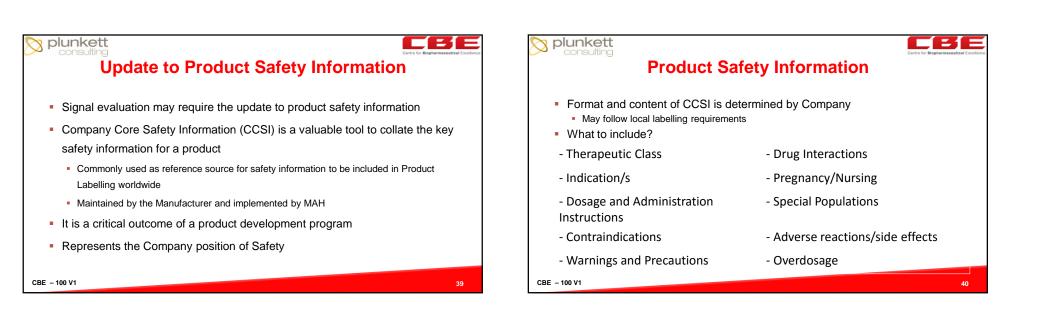


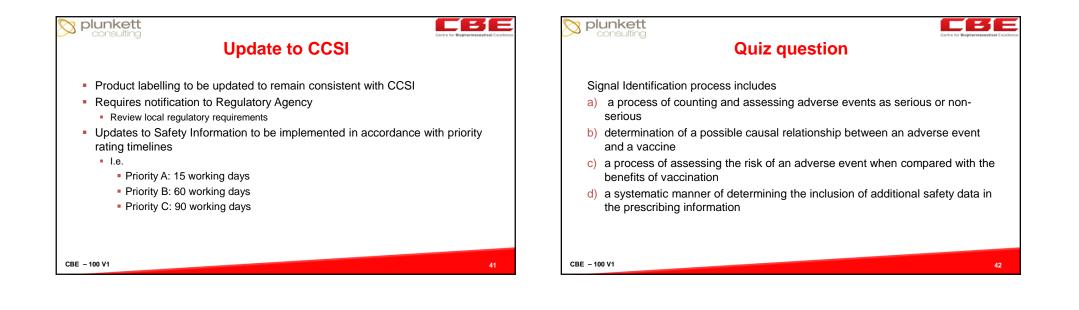














Conclusions

- Signal detection is a systematic review of adverse event data to detect changes in safety profile
- There is no one single way to conduct this analysis
- Statistical or process should not override medical and scientific judgement
- Validate any possible signals by expert personnel
- If a signal is detected, re-evaluate the risk/benefit ratio to ensure the Vaccine use remains positive
- Safety Information must be updated to include new signals within a predefined timeframe

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System Organ Class (SOC)

- The Medical Dictionary for Regulatory Activities (MedDRA) is an internationally used set of terms relating to medical conditions, medicines and medical devices
- SOC is the highest level of the MedDRA terminology, distinguished by anatomical or physiological system, disease origin and purpose.
- 26 SOC terms, e.g.
 - Cardiac disorders heart problems
 - Renal and urinary disorders kidney and bladder problems
 - Investigations laboratory tests or medical investigations that gave an unusual result

CBE - 100 V1

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	SOC terms	
	<u>SOC lenns</u>	
List available at <u>http://www.meddra.</u>	org/sites/default/files/guidance/file/	intguide_14_0_english.pdf
Blood and lymphatic system disorders	Hepatobiliary disorders	Neoplasms benign, malignant or unspecified (incl cysts or polyps)
Cardiac disorders	Immune system disorders	Pregnancy, puerperium and perinatal conditions
Congenital, familial and genetic disorders	Infections and infestations	Psychiatric disorders
Ear and labyrinth disorders	Injury, poisoning and procedural complaints	Renal and urinary disorders
Endocrine disorders	Investigations	Reproductive system and breast disorders
Eye disorders	Metabolism and nutrition disorders	Respiratory, thoracic and mediastinal disorders
Gastrointestinal disorders	Musculoskeletal and connective tissue disorders	Skin and subcutaneous tissue disorders
General disorders and administration site disorders	Nervous system disorders	Social circumstances
Surgical and medical procedures	Vascular disorders	