



OmniComm Clinical Insights Symposia

June 2015

Presenter: Duncan Hall, CEO TRI

# Objectives



- Introduce a pragmatic, operational approach to RBM
- Illustrate the use of RBM software to support the approach
- Take any Q&A



## Our Journey

- > Founded in 2013
- Sister company to Triumph Consultancy
- Entirely Quality Oversight and RBM focused
- Creators of OPRA RBM platform
- One complete solution
  - > Technology
  - > Study specific services
  - > Implementation services
  - Hosting



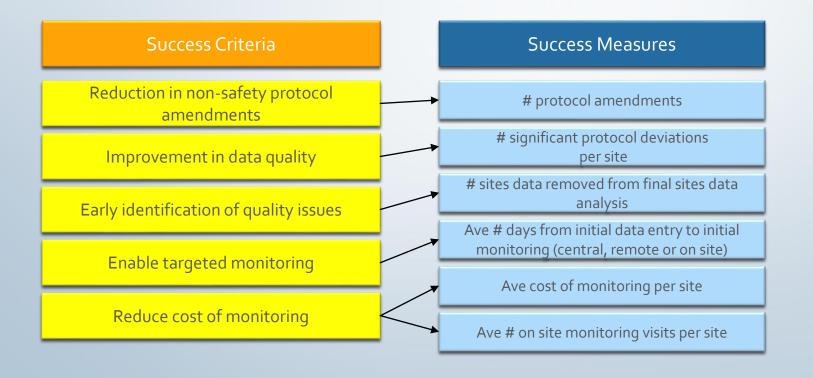


RBM is a start to finish commitment to trial quality which must be delivered on continually, dynamically and visibly.

### Before we get started



Whatever model is being implemented, must define what success looks like and how we are going to measure it. For example:











### Regulatory Guidance

- Need to assess protocol risks
- Monitoring focus should be on protocol risk factors
- There should be a relationship between risk assessment and risk measurements or risk indicators

#### Standard KRIs

- Many KRIs used to detect site quality risk will be standard
- Standard KRIs are often associated with safety and performance, but they are also surrogate markers for quality risk and should be monitored and managed

#### Study KRIs

- Designed to assess and monitor the critical data and processes for a study
- KRIs may also change during the course of a study, due to risk factors changing as the study progresses e.g. once enrollment is complete

#### Examples

AE rates

Inclusion / exclusion deviations

Enrolment rates

Early term rates

Data Entry timeliness

Query rates

Image quality assessment

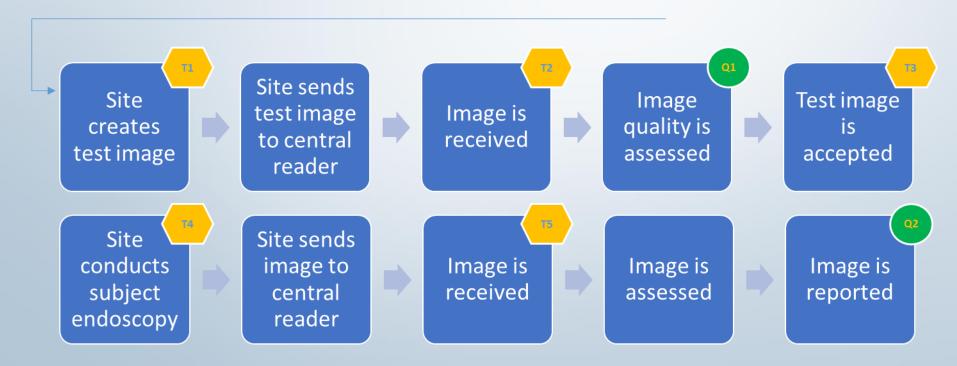
Dose changes

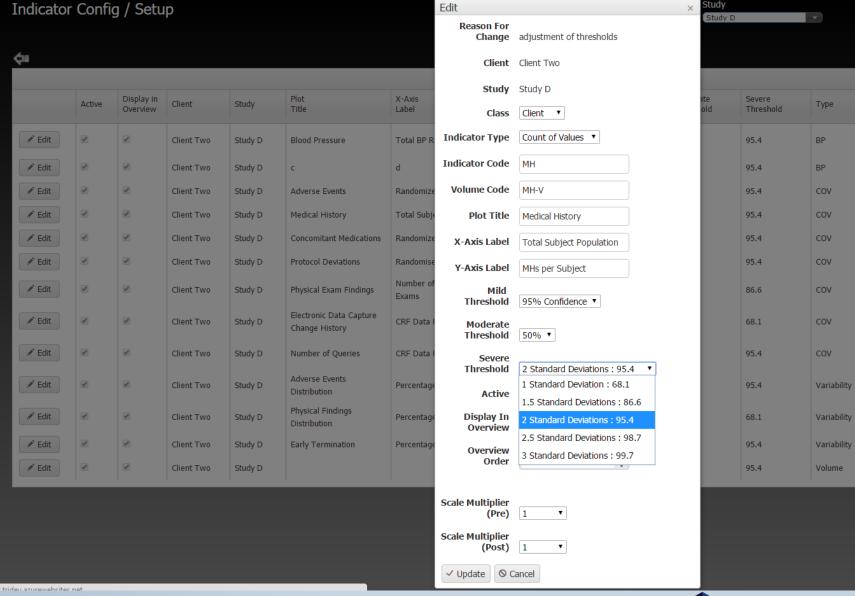


### **Process Analysis**



Endoscopy images











Having identified a site we want to investigate further, we can mark the site in the user interface.....



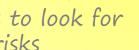


....and then see how that site looks across each indicator, compared to the rest of the study sites.



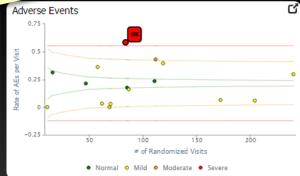
Country Dashboard

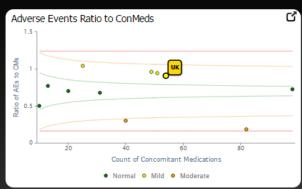
### We can also look at our data on a country by country basis to look for regional quality risks



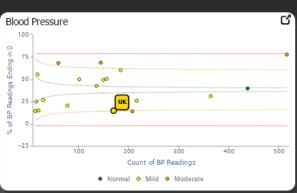


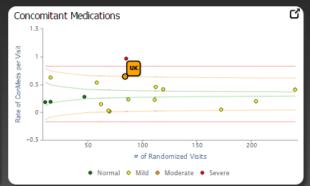


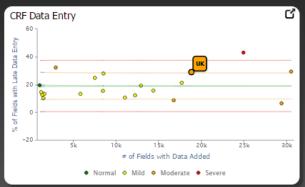


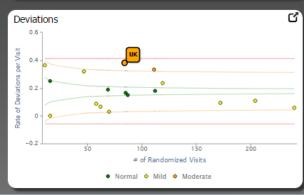


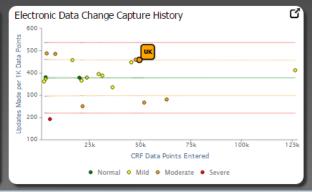
ssment Point

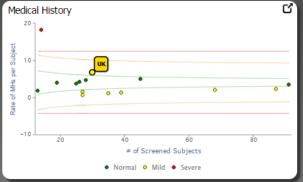






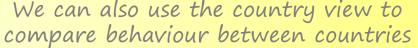


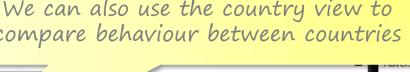




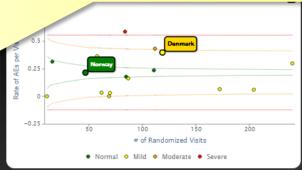


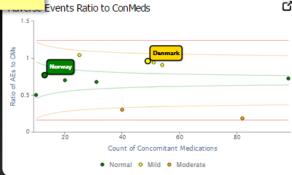
## We can also use the country view to



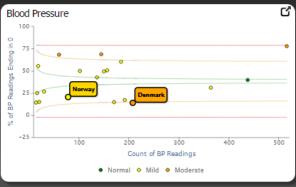


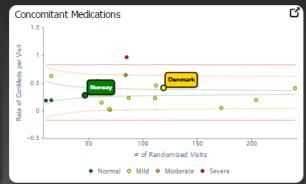


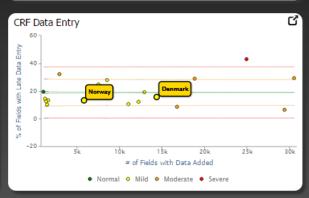


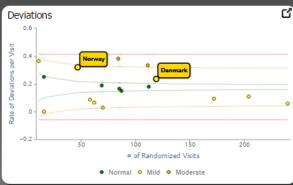


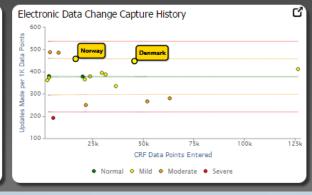
essment Point







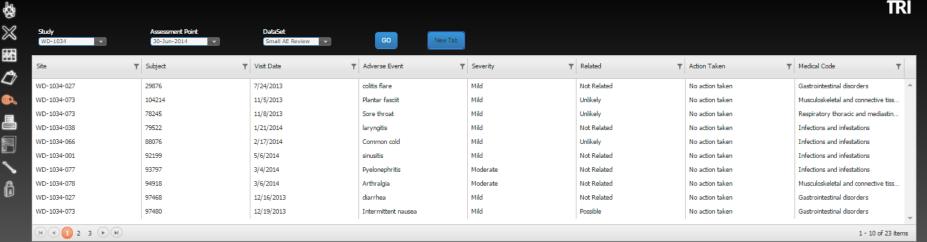


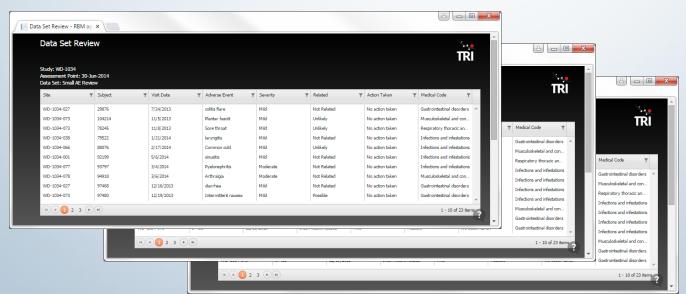




#### Data Set Review





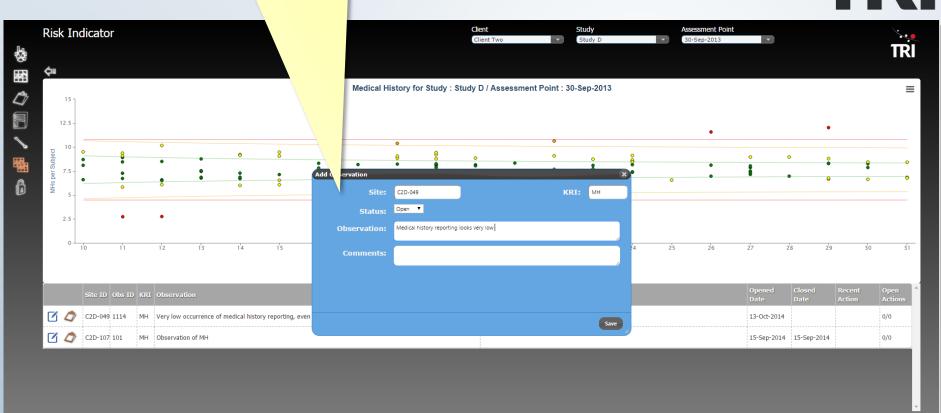






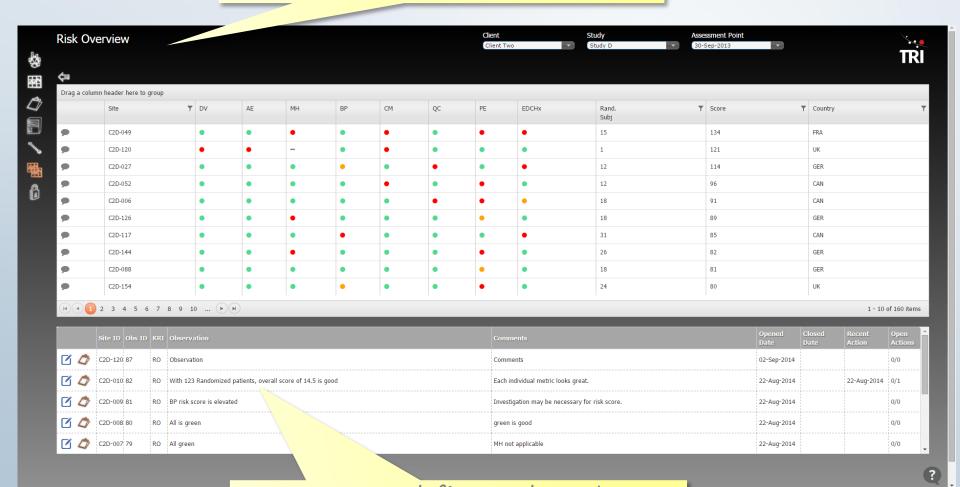
# We can now click on the site and track an observation







# Expanding the Risk Overview panel gives a detailed view of the site risk rankings



We can define and track observations on the insight we gain at the site level





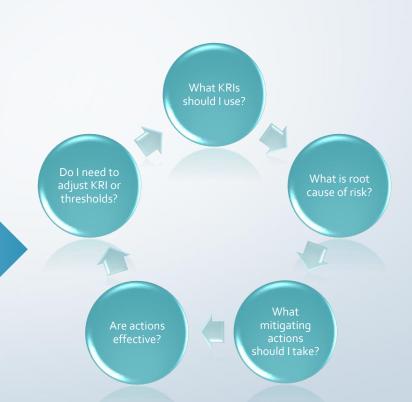


Study quality management is all about centralised review of the quality risk signals we are seeing, agreeing appropriate actions and tracking those actions to completion.

### **Mitigation Maturity**

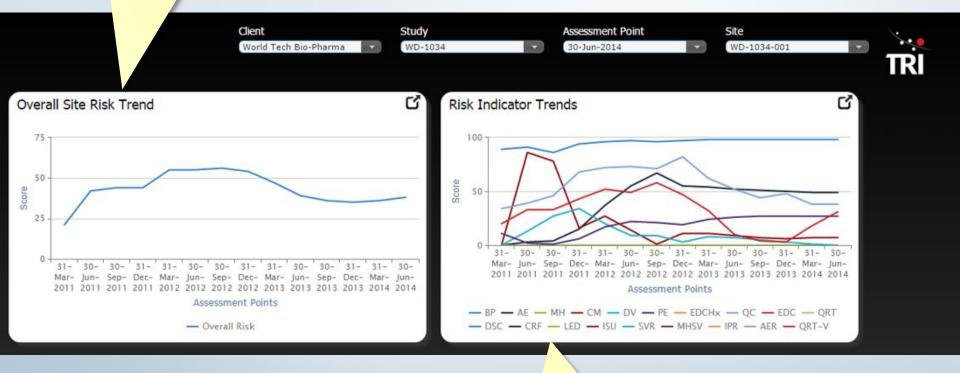


- There is a desire to standardize the interpretation of risk/KRIs and associated actions
- However, it has only been 2 years since the guidance to industry was finalized
- Identifying correlation between KRIs, Root Cause and Monitoring Actions is a very mature model
- It is the direction we should be moving towards but will take time and further data analysis and modeling



We must keep this in mind as we expand and mature our RBM models to ensure we are collecting relevant data to achieve the vision (planning for success)

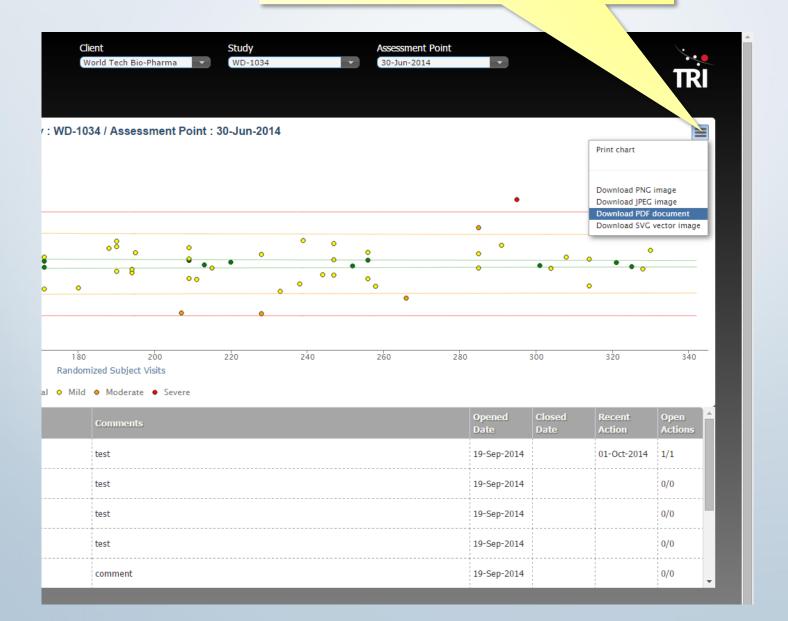
# Overall site risk trend – are our interventions being effective?



Individual indicator trends — are we being more effective in some areas than others?



# Each chart can be output as an image or pdf file



The system always defaults to the current assessment point....



...but we can also go back and look at how the data looked for any historic assessment point



### Site OA Report

Report Date: Feb 4, 2015

Study: WD-1034 Site: WD-1034-001

Site Volume
Randomized Subjects: 3

Observations

Total Observations: 3

Currently Open Observation: 3 Observations Open > 4 Weeks: 3 Actions
Total Actions: 6

Currently Open Actions: 4 Actions Open > 4 Weeks: 1

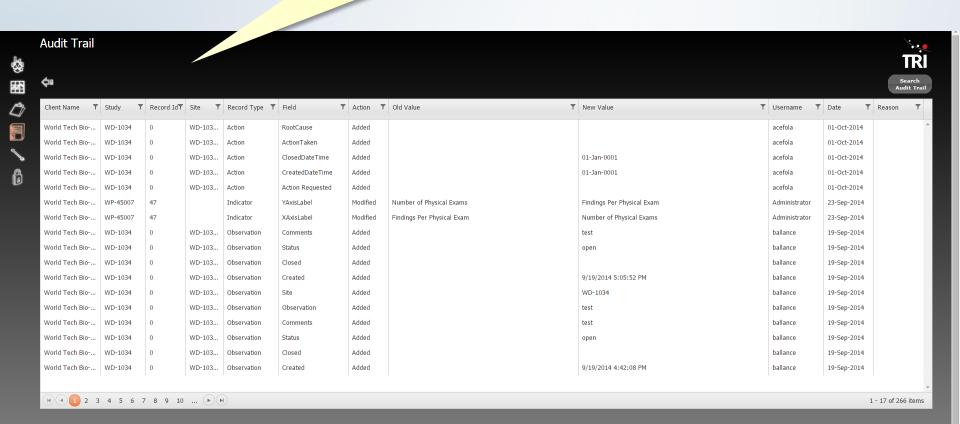
#### **Observation Listing**

Obs ID	KRI	Observation	Comments	Opened Date	Closed Date	Recent Action	Open Actions
	1	Several actions need to be taken to					
101	RO	reduce risk		30-Sep-2012		07-Jan-2015	2/3
		This should be monitored as it is a					
		significant change from prior					
102	BP	behavior. 30Sep2012		30-Sep-2012		15-Dec-2014	1/1
103	QC	This may be indicating an issue		30-Sep-2012		15-Dec-2014	1/2

#### **Action Listing**

Action ID	Action Requested	Requested Date	Completed Date	Action Taken	Root Cause	Obs
				The actions were verified as		
1083	Action for RO dated 30Sep2012	30-Sep-2012	03-Oct-2013	complete		101 ,
				The site was contacted and the		
	Verify the query response protocol			the response was verified as		
1084	with the site 30Sep2012	30-Sep-2012	09-Oct-2013	correct		103,
				The BP was recorded incorrectly.		
	Verify the BP reading procedure			A revised response was received		
1085	with the site 30Sep2012	30-Sep-2012	04-Dec-2013	and approved		102,
2085	Please check for missing data	15-Dec-2014				103,
2090	Conduct a remote monitoring visit	07-Jan-2015				101,
2091	Test for OPRA Performance	07-Jan-2015	14-Jan-2015	Task Completed		101,

# A comprehensive audit trail shows the trail of changes to the indicators over the course of the study





# Thank you for your attention



Developed by



For more information on RBM operations, implementation, training and technology or copies of the slides, please feel free to contact me directly:



**Duncan Hall** 

CEO and Founder

By website:

www.tritrials.com

By email:

duncan.hall@tritrials.com