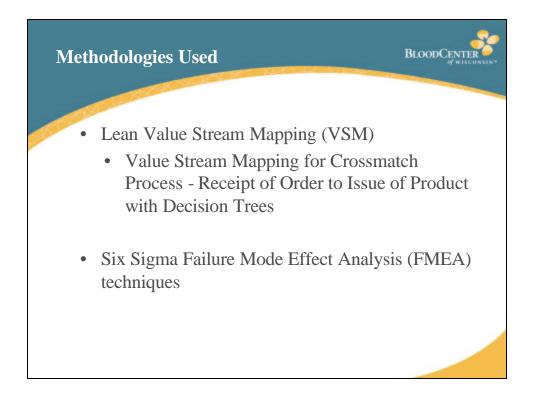


Our Goals

• To really understand why we were seeing an increase in errors and what could be done as process improvements.

BLOODCENTE

- To develop a proactive rather than reactive approach to error management.
- To reduce the number of significant errors.
- To improve customer relationships and service.
- To establish that transfusion medicine must take on a multidisciplinary approach and focus.

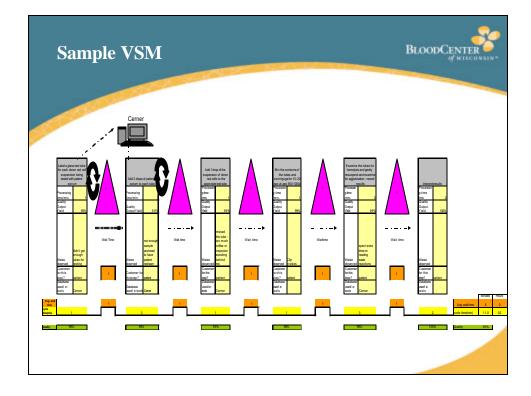


Value Stream Map (VSM) – why do it?

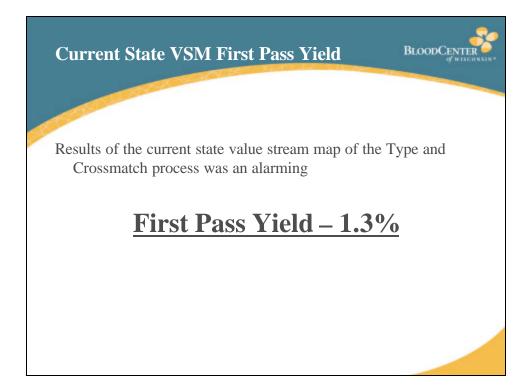
• Purpose of a VSM is to visualize the entire process for those directly involved in the process, auxiliary areas, suppliers, and the customer.

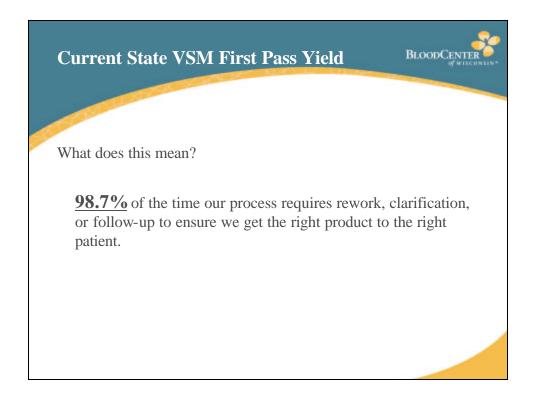
BLOODCENTER

- Enable process improvement opportunities to be identified
 - Wait time in excess of process time
 - Rework in order to get a step done correctly. It is not at a level that is acceptable. (First Pass Yield FPY)
 - Complexity of process
- Allow team to assess the impact of changes on the process before they are made.



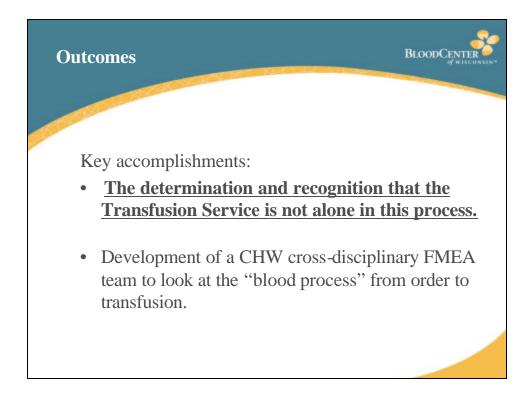


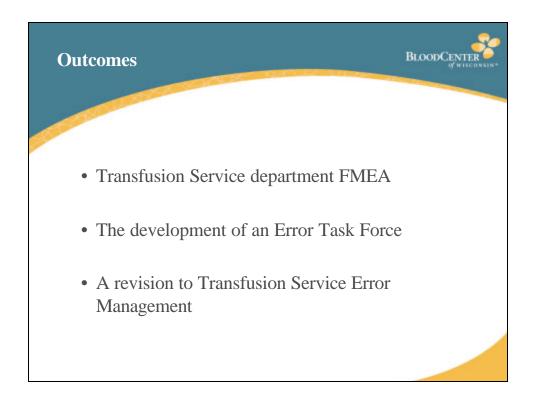


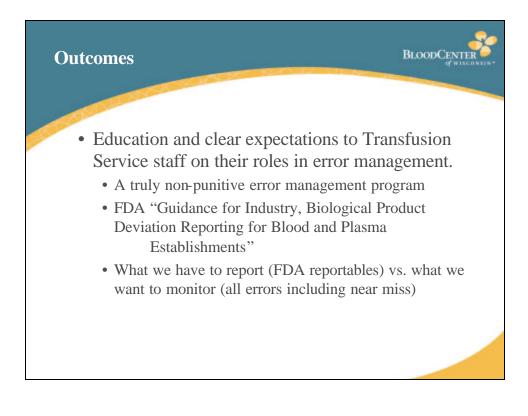


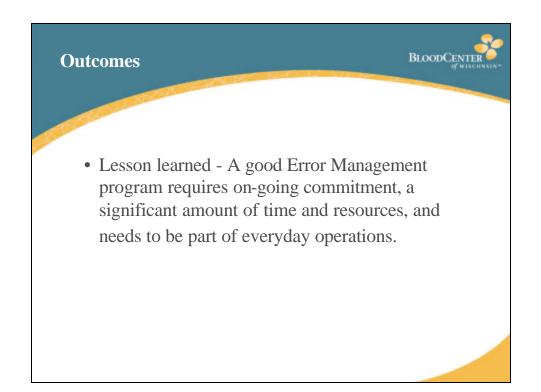
Pr	ocess steps t	to focus on				BL	
	Order Received from Sunrise			Label check and spin down sample			
	Processing time /Min. Available work time	0.5		Processing time /Min.		3	
3	Quality Output Yield	10%		Available work time		1440	
	Database used/ e-tools	SunRise /Sunquest	0	Quality Output Yield		66%	1
	Label Product			Receive Ord Transfu	se		
	Processing time /Min.	2		Processing time /Min.		0.5	
	Available work time	1440		Available work time Quality Output Yield		140 0%	
	Quality Output Yield Database used/ e-tools	85% Sunguest/Hematrax		Database used/ e-tools		quest	
	Verify Order to Transfuse Processing time /Min. 0.5 Available work time 1440 Quality Output Yield 90% Database used/ e-tools Sunguest			Receive and verify Order to Transport Processing time /Min. 0.5 Available work time 1440 Quality Output Yield 80% Database used/ e-tools Sunquest			

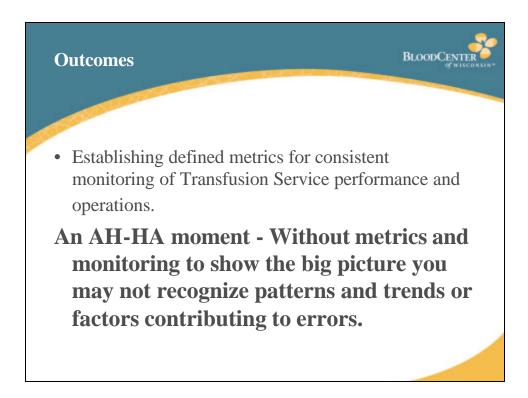
Supporting Data	9.4	BLOODCENTER		
	Number	Error/Failure Mode		
	1	Incorrect date and/or time on order		
	2	Order entered for incorrect patient		
Ordering Errors: Failure Modes defined	3	Order entered for incorrect product or amount		
	4	Amount or volume ordered not appropriate for age/weight of patient		
	5	Amount or volume ordered not appropriate for product requested		
	6	Transport order entered, need Transfuse order		
Data was collected for a two week period to demonstrate the volume and types of ordering errors TS	7	Transport order entered, need XM order		
	8	Transport order entered, need Add on order		
	9	Wrong or no BB number on Transport order		
	10	Transfuse Order entered, need XM order		
staff had to investigate	11	Transfuse order entered, need Add on order		
Starr mad to mit estigate	12	Add on order entered, need XM order		
	13	XM order entered, need Add on order		
	14	Wrong XM order entered, NEOXM vs. Adult XM		
	15	Duplicate order		
	16	Special need required per policy or BAD, not on current order		
	17	Special need requested but not indicated per policy or BAD file		
	18	Test results incomplete or do not indicate need for TX		
	19	XM order entered, need transfuse or transport order		

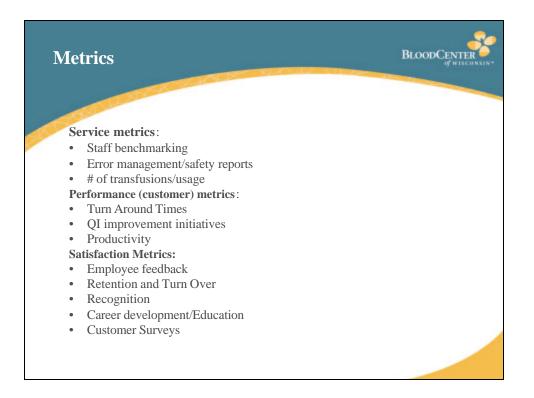


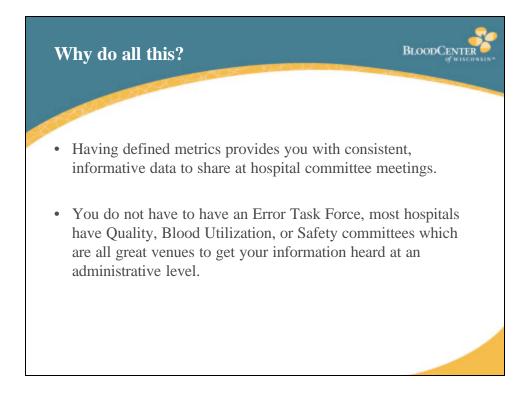










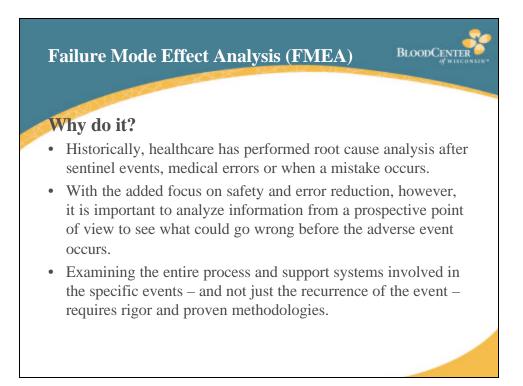


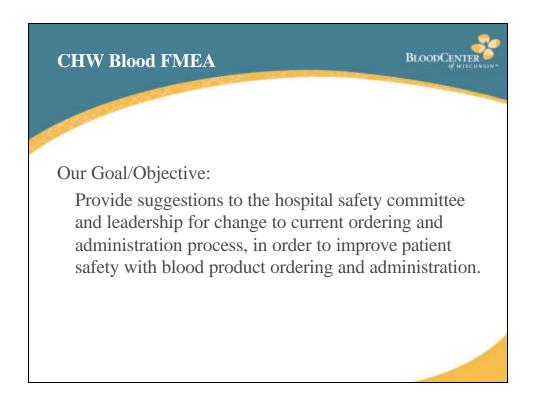
Failure Mode Effect Analysis (FMEA)

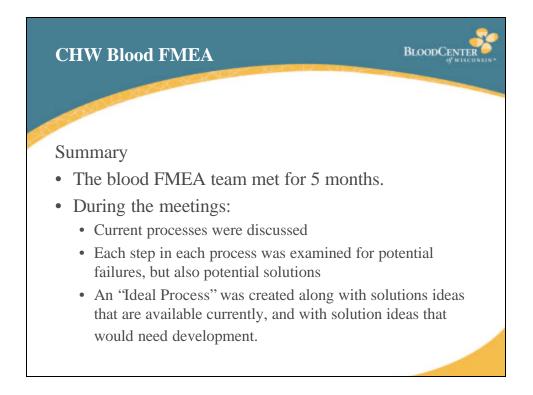


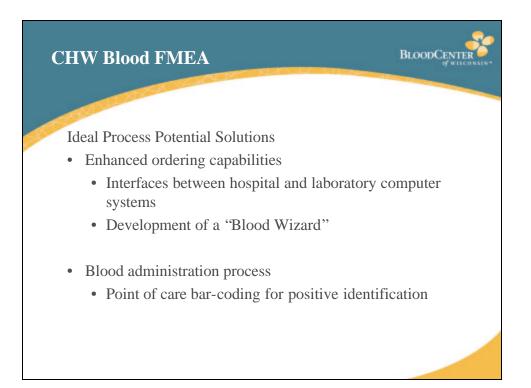
What is it?

- FMEA or Failure Mode and Effects Analysis is a proactive tool, technique and quality method that enables the identification and prevention of process or product errors before they occur.
 - Within healthcare, the goal is to avoid adverse events that could potentially cause harm to patients, families, employees or others in the patient care setting.
- A tool being recommended for Joint Commission on Accreditation of Healthcare Organizations
- A structured approach to identify the ways in which a process can fail to meet critical customer requirement.









CHW Blo			
Sec. Sec.	Ideal Process		
Concent angred and efficience3ty time at angred	Connectly and Connectly and ample tam connect galent connect galent connect galent connect galent connect galent connect galent connectly connectl	Sahiry gal bizo di tam Bizo di tam Ala Bizo di tam Ala Lani	
Farma in o DPR	Driveral Litving Spanel Litving Spanel	Libring of all Carcoding	
Chuib a Be or de a celuity Teur a sep ar a le trans tr SCH	Burtoding Burtoding <t< th=""><th>Par shee for This equant Ones and a PA craw and a PA craw and a PA part of the second of the excession</th></t<>	Par shee for This equant Ones and a PA craw and a PA craw and a PA part of the second of the excession	
Poplani Olin di fanorarite di fanorarite por constra por constra	Flag - de menteuer to plans lié randez crisio		

