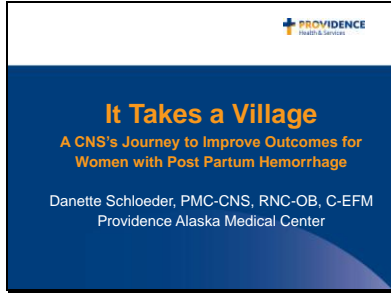
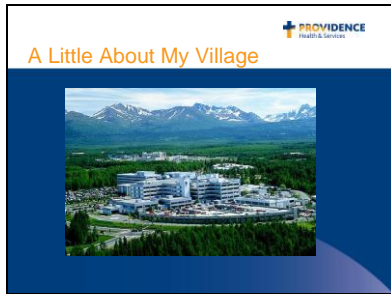


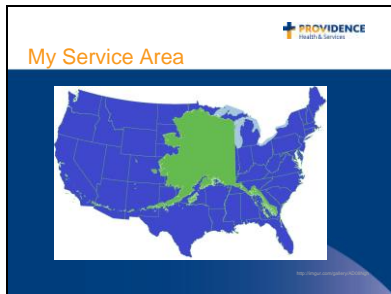
Slide 1



Slide 2



Slide 3



Slide 4

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Our Problem

- June 2015-December 2015
 - 5 Mass Transfusions
 - Approximate EBL's over 10,000mL
 - 1 patient received 128 units blood products
 - All had ICU stays for hemorrhagic shock
 - All had resulting hysterectomies
 - Extended length of stay
 - Separation from infant

Slide 5

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CNS Role

```
graph TD; Practitioner --- Educator; Educator --- Consultant; Consultant --- Clinical_Leader; Clinical_Leader --- Researcher; Researcher --- Practitioner;
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Our Plan

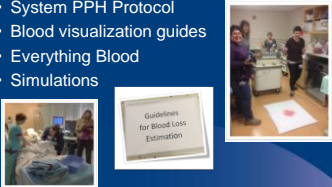
- Create tools to improve our identification of postpartum hemorrhage
- Identify methods to improve our response to postpartum hemorrhage
- Collaborate with other departments to improve the outcomes of our patients at highest risk for mass transfusion

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Tools to Improve Identification

- System PPH Protocol
- Blood visualization guides
- Everything Blood
- Simulations



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Everything Blood



Slide 9

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Protocol



Personal Assessment & History	
1. Patient's name	2. Patient's room number
3. Patient's age	4. Patient's sex
5. Patient's weight	6. Patient's height
7. Patient's blood type	8. Patient's Rh factor
9. Patient's medical history	10. Patient's current medications
11. Patient's allergies	12. Patient's current lab tests
13. Patient's current vital signs	14. Patient's current physical exam
15. Patient's current mental status	16. Patient's current level of consciousness
17. Patient's current level of pain	18. Patient's current level of distress
19. Patient's current level of anxiety	20. Patient's current level of cooperation
21. Patient's current level of compliance	22. Patient's current level of understanding
23. Patient's current level of insight	24. Patient's current level of judgment
25. Patient's current level of reasoning	26. Patient's current level of problem-solving
27. Patient's current level of decision-making	28. Patient's current level of risk-taking
29. Patient's current level of impulse control	30. Patient's current level of self-control
31. Patient's current level of emotional control	32. Patient's current level of social skills
33. Patient's current level of interpersonal skills	34. Patient's current level of communication skills
35. Patient's current level of problem-solving skills	36. Patient's current level of critical thinking skills
37. Patient's current level of creative thinking skills	38. Patient's current level of analytical thinking skills
39. Patient's current level of logical thinking skills	40. Patient's current level of practical thinking skills
41. Patient's current level of abstract thinking skills	42. Patient's current level of concrete thinking skills
43. Patient's current level of verbal thinking skills	44. Patient's current level of non-verbal thinking skills
45. Patient's current level of written thinking skills	46. Patient's current level of visual thinking skills
47. Patient's current level of spatial thinking skills	48. Patient's current level of mathematical thinking skills
49. Patient's current level of scientific thinking skills	50. Patient's current level of artistic thinking skills
51. Patient's current level of musical thinking skills	52. Patient's current level of physical thinking skills
53. Patient's current level of social thinking skills	54. Patient's current level of cultural thinking skills
55. Patient's current level of historical thinking skills	56. Patient's current level of geographical thinking skills
57. Patient's current level of political thinking skills	58. Patient's current level of economic thinking skills
59. Patient's current level of legal thinking skills	60. Patient's current level of ethical thinking skills
61. Patient's current level of moral thinking skills	62. Patient's current level of philosophical thinking skills
63. Patient's current level of religious thinking skills	64. Patient's current level of spiritual thinking skills
65. Patient's current level of metaphysical thinking skills	66. Patient's current level of esoteric thinking skills
67. Patient's current level of occult thinking skills	68. Patient's current level of paranormal thinking skills
69. Patient's current level of supernatural thinking skills	70. Patient's current level of mystical thinking skills
71. Patient's current level of magical thinking skills	72. Patient's current level of psychic thinking skills
73. Patient's current level of telekinetic thinking skills	74. Patient's current level of telepathic thinking skills
75. Patient's current level of clairvoyant thinking skills	76. Patient's current level of clairaudient thinking skills
77. Patient's current level of clairvoyant thinking skills	78. Patient's current level of clairaudient thinking skills
79. Patient's current level of clairvoyant thinking skills	80. Patient's current level of clairaudient thinking skills

Slide 10

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Methods to Improve Management

- Code Stork
- Carts/equipment
- Percreta Protocol



Slide 11

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Placenta Percreta

- Life threatening condition
- Increase seems to parallel the c-section rate
- Associated with myometrial damage
- Invasion of the placenta through the myometrium and serosa
- Attaches to adjacent organs

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Customary Management

- Planned preterm c-section and hysterectomy with transfusion
- C-section with placenta left in situ
- Unplanned c-section upon presenting with bleeding resulting in mass transfusion and hemorrhagic shock

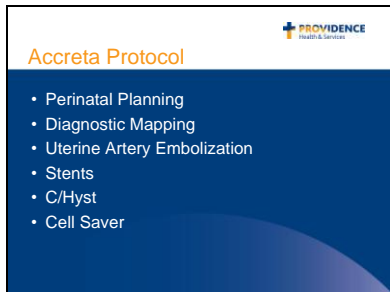
Slide 13



Slide 14



Slide 15



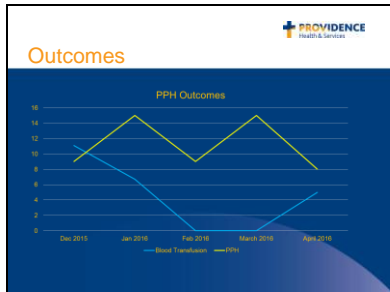
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Outcomes

- 5 cases performed in last 12 months
- EBL < 600mL
- No blood products other than cell saver
- No ICU admissions
- Average length of stay
- Early initiation of breastfeeding
- High patient/staff satisfaction

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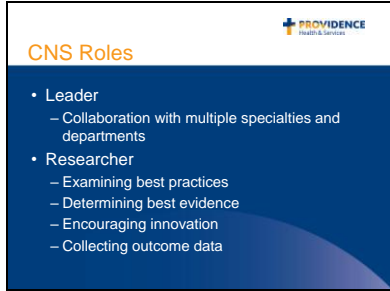
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CNS Roles

- Practitioner
 - Guiding patients through their care
- Educator
 - Staff and providers
- Consultant
 - Coordination of care

Slide 19

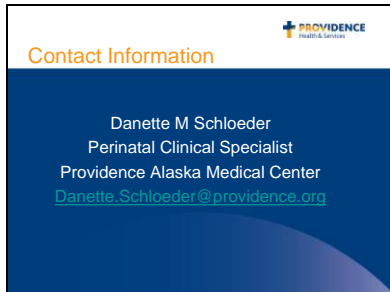


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CNS Roles

- Leader
 - Collaboration with multiple specialties and departments
- Researcher
 - Examining best practices
 - Determining best evidence
 - Encouraging innovation
 - Collecting outcome data

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