# Perinatology Care Plan Storyboard (HL7 PCWG 2011-08-31b)

Storyboard Topic

The purpose of the Perinatology care plan story board is to illustrate the communication flow about the patient’s care plan between a patient and various care team members (i.e. diverse health care professionals) involved for a patient experiencing pregnancy, labor and delivery. This storyboard describes an episode of care comprised of 4 major encounters, each described with its pre and post conditions and specific activities:

1. First pregnancy visit
2. Post ultrasound visit
3. First Perinatologist visit
4. Giving Birth

Note 1: in reality there could be many more encounters than the four mentioned above.

Note 2: this storyboard is developed without referring to any technological solutions or electronic systems. It is voluntarily technology agnostic.

Storyboard Actors and Roles

OB/Gyn:

Dr Flora Fem

Perinatologist:

Dr. Patricia Perinatologist

Patient

Eve Everywoman

Receptionist

Ruth Receptionist

Medical Assistant (New HL7 Role)

Melissa MedAssist, MANext of kin – patient’s husband

Neville Nuclear

Labor and Delivery Registered Nurse

Nancy Nightingale

***Short Description of Episode***

Eve Everywoman experiences her first pregnancy. She initiates prenatal care with OB/Gyn specialist who follows Eve’s pregnancy until a complication develops. At that time Eve’s prenatal care is transferred to a perinatologist who provides Eve’s prenatal care until her delivery. The perinatologist maintains close communication with the OB/Gyn throughout the prenatal period and attends the delivery of the baby. The OB/GYN specialist delivers the baby. Care is coordinated throughout the Encounter across several care settings and several care providers/givers.

A- Encounter: First pregnancy visit

Pre-Condition

Eve Everywoman is a 28 year old high school teacher. She and her husband of two years have recently suspected she is pregnant with their first child. Eve has confirmed her suspicions with the use of an over the counter pregnancy test and has scheduled an appointment with the OB/Gyn Dr. Flora Fem.

Description of Encounter

Patient Eve Everywoman has just returned the new patient history form to the front desk in the waiting room of Dr. Flora Fem. Patient Eve Everywoman is excited for the first Dr’s visit after finding out she is expecting her first child. The individual at the front desk takes a few moments to create and enter the information contained on the form into the clinics patient record and also activates a new Obstetric Care Plan. Patient Eve Everywoman is taken back into the clinic where Melissa Medical Assistant measures Patient Eve Everywoman’s weight and blood pressure. These measurements are entered into the patient record. Dr. Flora Fem enters the room, pulls up the patient record and newly created care plan. Dr. Flora Fem reviews Patient Eve Everywoman’s history and performs both a subjective and objective assessment. Dr. Flora Fem updates any new or additional information brought up during the visit in the patient record and the care plan. The next visit is scheduled and Patient Eve Everywoman is feeling confident about the plan of care discussed during the appointment.

Post-Condition

Patient record and Care Plan is up to date with the recent data. New visit is scheduled.

B- Encounter: Post ultrasound visit

Pre-Condition

After the sixteenth week, patient went to get a routine ultrasound and has a follow up visit scheduled.

Description of Encounter

Patient Eve Everywoman returns to Dr. Flora Fem after the sixteenth week ultrasound. Dr. Flora Fem has just completed a quick assessment and has reviewed the recent ultrasound performed last week. Dr. Flora Fem has some concerns about a few of the findings associated with the ultrasound. Dr. Flora Fem has a referral relationship with Dr. Patricia Perinatologist and discusses the benefits of the additional care a Perinatologist can provide. Dr. Flora Fem schedules a referral appointment, and updates the care plan. When the care plan is updated a message is sent in the form of a notification to Dr. Patricia Perinatologist with the intent of Patient Eve Everywoman to schedule an appointment. As part of the notification, the message includes a copy of the care plan. Patient Eve Everywoman schedules with Dr. Patricia Perinatologist for the first visit. Dr. Patricia Perinatologist is able to access the care plan and can see the documents relating to Patient Eve Everywoman’s plan of care up to this point.

Post-Condition

Patient record and Care Plan is up to date with the recent data. Referral visit is scheduled. Patient is provided with the up to date CP information through the media of her choice (paper or electronic access). Perinatalogist has access to the most recent up to date CP and patient record data for review and future management of patient.

C- Encounter: First Perinatologist visit

Pre-Condition

Patient has arrived with her husband at the perinatologist office for the scheduled appointment

Description of Encounter

The sixteen-week ultrasound indicated the fetus is small for its gestational age and that the cord is only a 2-vessel cord instead of three. Dr. Patricia Perinatologist explains these findings to Eve Everywoman and her husband Neville Nuclear who accompanied Eve Everywoman on this visit. Dr Patricia Perinatologist explains the findings are something to watch carefully, but that she could still have a healthy baby. Dr Patricia Perinatologist explains to Eve and Neville the importance for Eve to maintain a good diet and other healthy habits during the pregnancy. She makes specific recommendations for Eve and notes them in the plan of care. Dr Patricia Perinatologist gives a copy of the plan of care with diet and activity recommendations noted as well as a couple of patient handouts with more specific instructions and suggestions listed to Eve Everywoman. Dr. Patricia Perinatologist recommends Eve to return for a check up in two weeks.

Post-Condition

Patient record and Care Plan is updated with the recent data from the perinatologist visit. A follow-up visit is scheduled. Patient is provided with the updated CP through the media of her choice. Dr Flora Fem, the OBGYN, also has access to the up dated CP and is alerted the plan has been updated appropriately.

D- Encounter: Giving Birth

Pre-Condition

Eve Everywoman’s pregnancy commences without further events. She continued to see Dr Patricia Perinatologist every two weeks for the remainder of her pregnancy. It is determined that both she and the baby are healthy enough to attempt a vaginal delivery at the hospital where c-section facilities are available if the baby would begin to show distress. The patient record and CP are maintained at each visit, and a progress note is also sent every time to the referring OBGYN. Arrangements are made, and Eve Everywoman completes her hospital pre-registration for delivery. This allows the up to date patient record and Care Plan to be accessible to the labor and delivery suite. At her last visit the baby was estimated to be 5.5 lbs.

Description of Encounter

Eve Everywoman begins to go into labor on the 5th day of her 39th week of gestation. Eve Everywoman calls the L&D unit where she has pre-registered for her delivery and tells them she believes she is in labor and on her way as she was directed at the pre-registration period.

Nancy Nightingale, the L&D nurse assigned to care for Eve Everywoman upon notice of her impending arrival accesses Eve’s care plan and medical record summary in the patient record. Nancy Nightingale prepares a room for Eve Everywoman according to the anticipated needs for Eve’s labor and delivery. Eve arrives and settles into the room prepared for her.

Post Condition

After 10 hours of progressive labor, Eve delivers a healthy 5 lb 2 ounce baby girl. The patient record contains all records related to Eve’s pregnancy, labor, delivery and hospital post-partum care. A new patient record is also now available for the baby and contains all relevant delivery and newborn care information. Eve’s Care Plan is up to date with goals towards healthy post partum recovery. A Care Plan is created for the baby with focus towards healthy newborn care, required screenings, scheduled immunizations and growth and development monitoring. The up to date summary reports and Care Plans are provided to Eve. The updated coordination of care documents (summaries and CP) are available to all of Eve’s caregivers. Each caregiver is appropriately alerted the documents have been updated. Follow up appointments for Eve are made with the OB/Gyn specialist. Follow up appointments are made for the baby with a Pediatrician.

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***Insert here the clinical validation process and participants, post WGM***