BIRTH Health Interaction (DEFINITIONS)

NOTES / VERSION NO: 18/09 - 0.6

FHIR Resource	Data Source	Data Item Name	SNOMED Concept Category	SNOMED Code	ValueSet Code	Description	ValueSet Elements	Field Type	Format	Priority	Cardinality	Health Interaction/s	
Name of the resource used for FHIR modelling of the data items	*Harmnised Content impacts from orchestartion (operational) / restrictions / enhancements*	*Name of the Data Item*	*Name of category the SNOMED code belongs to*	*SNOMED Code which represents the data item*	*If format field is list value, add a short name here.*	*The description of the element*		*Date, text, checkbox, radio button, numeric, drop down list*	*eg DD:MM:YY*	*Mandatory/ Required/ Optional*	*Relationship of x to y eg IHI is 1..1*	*Where each element is used in one of the health interactions*	
Patient	H	Baby's Name	Observable	371484003		The name of baby		Text	Text	Optional	0..1		Validate the cardanility of demographic elements?
Patient	H	Baby's Family Name	Observable	184096005		The name of baby		Text	Text	Optional	0..1		
Patient	H	Baby's Given Name/s	Observable	371484003		The name of baby		Text	Text	Optional	0..1		this may be Baby Of or Twin 1 Of etc as I am not sure the baby is able to be legally named at this point?
Related Person?	H	Mother's Name	Observable	371484003		The name of mothers baby		Text	Text	Optional	0..1		
Patient	H	Address	Observable	184097001		Residential address of parental gaurdian		Text	Text	??	0..1		
Related Person?	H	Fathers given & Family Name	Observable	371484003		The name of babys Father		Text	Text	Optional	0..1		
Related Person?	H	Other Parent	Social Context	9306000		Other parental guardian		Text	Text	Optional	0..1		
Paitent	H	Identifier	Observable	422549004		Identifier of the baby (IHI, EUID, AUID, MRN)		Numeric	Text	Mandatory	1..1		Does this become part of the patient identity - Is this IHI, MRN etc. The MRN means nothibng outside of the context of the hospital?
Related Person?	O	Parental Identifier				The identity of the person that holds parental responsibility for the newborn child.		Numeric	Text				
Patient	O	Patient Identifier				This is used to positively identify the patient – it is not used as a representation of demographics		Numeric	Text				This may use part of the demograpics of the child - i.e. name
Patient	H	Date of birth	Observable	184099003		The date of birth of the baby		Date	DD:MM:YY	Mandatory	1..1		
Patient	H	Time of birth	Observable	397836004		The time of birth of the baby		Time	HH:MM:SS	Mandatory	1..1		
Patient	H	Name of birth facility	Environment	257622000	NOBF	The name of the birth facility		ValueSet	codified text (link to value set?)	Mandatory	1..1		does the address type need to be extended to include facility name?
Patient	H	Sex	Clinical Finding	302081005	SEX	The gender of the baby at birth		ValueSet	Text	Mandatotry	1..1		
			Clinical Finding	248153007			Male						
			Clinical Finding	248152002			Female						
Observation	H	Length of gestation	Observable	412726003		Gestational age in weeks and days (usually equivalent to length of pregnancy).		Numeric	Text	Mandatory	1..1		
	H	Type of Birth			TOBI	Type of delivery for the baby (eg vacuum extraction, breech extraction, caesarean)		ValueSet	Text	Mandatory	1..1		
			Clinical Finding	289259007			Vaginal (Normal)						
			Clinical Finding	200130005			Forceps						
			Clinical Finding	267278005			Vacuum Extraction						
			Clinical Finding	271370008			Breech						
			Clinical Finding	200144004			Caesarean Section						
			Procedure	11466000			Caesarean Section						
			Procedure	177184002			Vaginal (Normal)						
			Procedure	302383004			Forceps						
			Procedure	61586001			Vacuum Extraction						
Observation or Procedure?			Procedure	237311001			Breech						
	H	Labour initiation			LINI	Labour initiation eg spontaneous, induced		ValueSet	Text	Required	0..1		
			Procedure	236958009			Induced						
			Clinical Finding	112070001			Induced						
			Procedure	385675009			Induced - Reason						
Observation or Procedure?			Clinical Finding	84457005			Spontaneous						
	H	Birth Complications			BCOM	Problems experienced by the baby during delivery.		ValueSet	Text	Optional	0..*		are we talking about complications to the baby or complications that occoured during birth that may only be relevant to the mother?
			Clinical Finding	89700002			Shoulder dystocia						Not harmosed values
			Clinical Finding	270500004			Cord prolapse						
							Acute fetal compromise						
			Clinical Finding	13866000			Fetal acidaemia						
			Clinical Finding	206292002			Meconium Aspiration Syndrome						
							Acute blood loss						
			Clinical Finding	56110009			Birth Trauma						
Observation							Other (Free Text)	Uncodified					

Observation (or condition?)	H	Abnormalities noted at birth	Observable			Physical problems identified with the baby at, or shortly after, birth. E.g. cleft lip/palate, extensive bruising, cephalohematoma etc.		ValueSet	Text	Required	0..*		Do we need any value set?
Observation	H	APGAR score (1 Minute)	Observable	169895004		A set of observations made on the baby following birth to check adaptation to life outside the womb. This includes 1 minute, 5 minutes and 10 minutes		Numeric	Text	Mandatory	1..1		
Observation	H	APGAR score (5 Minutes)	Observable	169909004		A set of observations made on the baby following birth to check adaptation to life outside the womb. This includes 1 minute, 5 minutes and 10 minutes		Numeric	Text	Mandatory	1..1		
Observation	E	APGAR score (10 Minutes)	Observable	169922007		A set of observations made on the baby following birth to check adaptation to life outside the womb. This includes 1 minute, 5 minutes and 10 minutes		Numeric	Text	Optional			
	H	Vitamin K	Substance	65183007	VITK	Has Vitamin K been given, if so, date for each of 3 doses; oral or injection		ValueSet	Text	Required	0..1		
			Qualifier Value	373066001			Yes						
			Qualifier Value	373067005			No						
			Procedure	59108006			Injection						
Out of Scope			Qualifier Value	738956005			Oral						
Out of Scope	H	HepB Immunoglobin	Trade Product??	10641000168101	HEPB	HepB Immunoglobin given, date		ValueSet		Required	0..1		
			Qualifier Value	373066001			Yes						
Out of Scope	H		Qualifier Value	373067005			No						
Out of Scope		HepB Immunoglobin Date	Observable	7241000122103		Date admisitered		Date	DD:MM:YY				
Out of Scope		HepB Immunisation	Procedure	16584000		HepB Immunisation given, date, dose, batch, administered by				Required	0..1		
Out of Scope	H	HepB Date	Observable	7241000122103		Date admisitered		Date	DD:MM:YY				
Out of Scope	H	HepB Comments				Comments							
	H	Maternal problems in pregnancy	Special Concept	288258008		Maternal medical conditions or infectious diseases arising in pregnancy which may have an impact on the fetus, e.g. gestational diabetes, rubella etc.		ValueSet	Text	Optional	0..*		Not harmonised values
			Clinical Finding	11687002			Gestational Diabetes						
			Clinical Finding	274119009			Rubella						
Observation							Other (Free Text)	Uncodified					
Observation	H	Birth weight	Observable	364589006		Numeric value for weight at birth		Numeric	Text	Mandatory	1..1		should we include both observation codes
Observation			Observable	27113001		Numeric value for weight							should we include both observation codes
Observation	H	Birth length	Observable	248334005		Numeric value for length							
			Observable	169886007		Numeric value for length at birth		Numeric	Text	Mandatory	1..1		
	H	Birth head circumference	Observable	363812007		Numeric value for head circumference							should we include both observation codes
Observation			Observable	169876006		Numeric value for head circumference at birth		Numeric	text	Mandatory	1..1		
Composition	O	Interaction Type				This will be used to identify the Interaction Type		ValueSet	Text				
Composition	O	Attestation				Used to indicate the author of the composition		Text	Text				
Composition	O	Author				Used to indicate where the information has been sent from		Text	Text				