

# Newborn (NBORN) Episode Description

Signify Health Version 1.1

An episode of care, also known as an episode, groups all relevant services provided to a patient for a particular condition within a confined time range. An episode of care serves as a unit of accounting as well as a unit of accountability for providers who take on financial risk for the episode. Defining an episode in such a manner helps to identify sources of variation and to standardize care.

An episode of care for Newborn, sometimes abbreviated NBORN, is part of the maternity bundle. The Newborn episode includes services provided to the newborn from birth, including the inpatient nursery stay and/or neonatal intensive care unit (NICU) stay, as well as care provided up to 30 days after discharge from the facility.

## Episode Components

Triggers	A Newborn episode triggers with an inpatient or an outpatient facility claim with a trigger diagnosis code in any position. (Table 1).
Typical Diagnoses	Typical diagnosis codes (ICD 10 DX codes) indicate typical care. Claims with typical diagnosis codes usually associated with an episode help steer services into this episode. However, a relevant procedure code is required on the same claim/claim line for the indicated diagnosis code to be incorporated into the episode. (Table 2)
Actionable Adverse Events (AAE)	Actionable adverse events (AAE) are events that are recognized by diagnosis codes (ICD 10 DX codes) and their timing to indicate potential complications of care. They require a relevant procedure code (ICD 10 PX codes; CPT/HCPCS codes) on the same claim/claim line to assign the claim to the episode. Additional rules are used to identify AAEs in addition to the presence of AAE diagnosis codes. (Table 3 and 3a)
Relevant Procedures	All relevant services within the timeframe of an episode are included within an episode. These include office visits, emergency room visits, inpatient

	<p>professional or facility services, labs, radiology or ancillary services. Relevant diagnosis and procedure codes help identify which services are included. Some procedure codes are sufficient to stand alone, while others require typical or actionable adverse event (AAE) diagnosis codes on the same claim/claim line to steer services into the episode. (Table 4). Additionally, for the Newborn episode, any other services within the episode timeframe (that are not included in other episodes) are also included regardless of the presence of relevant diagnosis or procedure codes.</p>
Relevant Pharmacy	<p>All relevant pharmacy services are included within an episode. These are identified by National Drug Codes (NDC) on a pharmacy claim and are grouped using the RxNorm grouping classification for ease of assigning them into episodes. In a Newborn episode, “all drugs” given to the baby from birth to the close of the episode are considered relevant and flagged as a typical service.</p>
SubTypes	<p>Episode subtypes are used to adjust the target price and/or to subset episode type for reporting purposes. They are specific to the episode and identified from the trigger claim or from claims during the look-back period.</p> <p>Examples of Subtype Groups:</p> <ul style="list-style-type: none"> <li>• Congenital GI Problems in NB</li> <li>• Congenital Anomalies of Brain and Spinal Cord</li> <li>• Spina Bifida</li> <li>• Other Congenital Anomalies of Newborn</li> </ul>

# Code Tables

Table 1: Trigger Codes

Trigger Type	Code Value
ICD-10-CM (DX) Triggers	Z3800, Z3801, Z381, Z382, Z3830, Z3831, Z384, Z385, Z3861, Z3862, Z3863, Z3864, Z3865, Z3866, Z3868, Z3869, Z387, Z388

Table 2: ICD-10 Typical Diagnosis

Group ID	Group Name	Code Value
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DXX01376	Prvn - observation	Z052
DXX0265	Eye - other eye ds	H04531, H04532, H04533, H04539
DXX0287	Cngntl - eye	Q103, Q104, Q105, Q106
DXX03194	Cngntl - GI - other upper gastrointestinal	Q381
DXX06206	GI - abdominal pain	R1083
DXX081044	Congenital Dislocation of Hip	Q6500, Q6501, Q6502, Q652
DXX081048	Hip / Pelvis deformities	Q6589, Q659
DXX08501	MS - fngr - anomaly - polydactyly	Q690, Q691
DXX0861	MS - face - anomaly	Q670, Q671, Q672, Q673, Q674
DXX0872	MS - head / neck - torticollis	M436
DXX0875	MS - head / neck - anomaly	Q680
DXX09192	Dermatitis, Urticaria	L22
DXX1095	Prvn - observation	Z0541, Z0542
DXX1096	Prvn - screening - other	Z13228
DXX11122	Cngntl - GU - obstructive genitourinary defect	Q620, Q6210, Q6211
DXX1258	Cngntl - GU - other - genitalia	Q555, Q5561, Q5563, Q5569
DXX1259	Cngntl - GU - undescended testicle	Q5300, Q5301, Q5302, Q5310, Q5311, Q5312, Q5320, Q5321, Q5322, Q539
DXX1260	Cngntl - GU - hypospadias / epispadias	Q540, Q541, Q542, Q543, Q548, Q549
DXX1422	Fetal distress	P03810, P03819, P0382, P190, P9683
DXX1462	Multiple gestation	P015
DXX1514	Prntl - liveborn	Z3800, Z381, Z382
DXX1516	Prntl - other conditions	P831, P836, P838, P9209, P921, P922, P923, P924, P925, P928, P929, Z412
DXX1518	Prntl - 2500+ g	P0509, P052, P059
DXX1524	Prntl - other perinatal ds	P290, P292, P294, P2989, P299, P941, P942, P948, P949, P960, P963, P965, P9689, R6811, R6812
DXX1530	Prvn - observation	Z053
DXX1531	Prvn - well child exam	Z00110, Z00111, Z00121, Z00129
DXX1532	Prvn - counseling	Z761, Z762
DXX1535	Congenital Anomalies of Brain and Spinal Cord	Q000, Q001, Q002, Q010, Q011, Q012, Q018, Q019, Q02, Q030, Q031, Q038, Q039, Q040, Q041, Q042, Q043, Q044, Q045, Q046, Q048, Q049, Q050, Q051, Q052, Q053, Q054, Q059,

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		Q060, Q061, Q062, Q063, Q064, Q068, Q069, Q0702, Q0703, Q079
DXX1554	Spina Bifida	Q055, Q056, Q057, Q058, Q0700, Q0701
DXX1555	Other Congenital Anomalies of Newborn	G901, P293, Q078, Q7959, Q894, Q9381
DXX1558	Complicated Vaginal Birth	P017
DXX1560	Placenta previa, umbilical cord prolapse, pla	P020, P021, P0220, P0229, P023, P0269
DXX1563	Congenital Infections	P350, P351, P352, P353, P358, P359, P370, P371, P372, P373, P374, P378, P379
DXX1564	Isoimmunization, Hemolysis in Newborn	P551, P558, P559, P5690, P5699, P580, P583, P585
DXX1566	Other Neonatal Jaundice	P591, P593, P598, P599
DXX1567	Endocrine & Metabolic Disturbances of NB	P702, P708, P709, P714, P720, P721, P722, P728, P729, P745, P746, P748, P749, P940
DXX1575	Failure to Thrive	P926, R6251
DXX1576	Large for Gestational Age	P080, P081
DXX1577	Multiple Birth	Z3861, Z3862, Z3863, Z3864, Z3865, Z3866, Z3868, Z3869, Z387, Z388
DXX1578	Twin	Z3830, Z3831, Z384, Z385
DXX1580	Anemia & other Blood Conditions in NB	P610, P611, P613, P614, P615, P618, P619
DXX1581	Blood loss in NB	P500, P501, P503, P508, P509, P53, P540, P541, P542, P543, P544, P545, P546, P548, P549
DXX1583	Congenital GI Problems in NB	E8411, P760, P768, P769, P781, P782, P783, P7881, P7882, P7883, P7889, P789, P9201, Q390, Q391, Q392, Q393, Q394, Q395, Q396, Q398, Q399, Q400, Q401, Q402, Q403, Q410, Q411, Q412, Q418, Q419, Q420, Q421, Q422, Q423, Q428, Q429, Q431, Q432, Q433, Q442, Q443, Q792, Q793
DXX1586	Congenital Respiratory Condition in Newborn	P221, P230, P231, P232, P233, P234, P235, P236, P238, P239, P270, P271, P278, P279, P280, P283, P284, P289, Q311, Q312, Q313, Q315, Q318, Q319, Q320, Q321, Q322, Q323, Q324, Q332, Q333, Q336

DXX1587	Congenital Heart Disease w Structural Defects	P282, Q200, Q201, Q202, Q203, Q204, Q205, Q206, Q208, Q209, Q210, Q211, Q212, Q213, Q214, Q218, Q219, Q220, Q221, Q222, Q223, Q224, Q225, Q226, Q228, Q229, Q230, Q231, Q232, Q233, Q234, Q238, Q239, Q240, Q241, Q242, Q243, Q244, Q248, Q249, Q250, Q251, Q2521, Q2529, Q253, Q2540, Q2541, Q2542, Q2543, Q2544, Q2545, Q2546, Q2547, Q2548, Q2549, Q255, Q256, Q2571, Q2572, Q2579, Q258, Q259, Q260, Q261, Q262, Q263, Q264, Q268, Q269
DXX1596	C-Section Birth	Z3801
DXX16289	Prvn - screening - other	Z130
DXX1840	Prvn - observation	Z051
DXX1987	Developmental Delays and Disability	F82, F88, F89
DXX2123	Prvn - screening - other	Z1388
DXX2303	ID - immunizations / screening	Z114, Z23
DXX2305	Endo - developmental delay	R620, R6250, R6259
DXX2306	Immune sys - allergic reactions - other	Z91011
DXX2335	Sxs - abnormal findings - lab or exam	P09
DXX2336	Prvn - observation	Z050, Z0543, Z055, Z056, Z0571, Z0572, Z0573, Z058, Z059
DXX2339	Prvn - admin exam / visit	Z0282
DXX2343	Prvn - screening - other	Z134, Z13810, Z13811, Z13818, Z139
DXX2362	complications of medical care	R5083
DXX2370	Fever & Chills	R5081, R509, R6883
DXX2382	Preventive Screening	Z1159, Z135, Z13828, Z1389
XX0000	Ungrouped Codes	P2938, P8388, Z0489

Table 3: ICD-10 QAAEs

Group ID	Group Name	Code Value
DXX04126	other lung complications	J95811
DXX1422	Fetal distress	P03811, P191, P192, P199

DXX1469	Birth Trauma	P100, P101, P104, P108, P109, P110, P111, P112, P113, P114, P115, P119, P120, P121, P122, P123, P124, P1281, P1289, P129, P130, P131, P132, P133, P134, P138, P139, P140, P141, P142, P143, P148, P149, P150, P151, P152, P153, P154, P155, P156, P158, P159, P524, P526, P528, P529
DXX1536	meconium aspiratn syndrm	P2400, P2401
DXX1537	Cardiac Arrest NB	P2981, R6813
DXX1538	Dying Baby	P830
DXX1539	Complications of Body Temperature in NB	P800, P808, P809, P810, P818, P819, P839
DXX1540	Infections in Newborn	A33, B0820, B0821, B0822, P375, P381, P389, P390, P391
DXX1541	Kern Icterus	P570, P578, P579
DXX1542	Metabolic Complications in NB	P703, P704, P740, P741, P742, P743, P744
DXX1543	DIC in NewBorn	P60
DXX1544	Hematological Complication in NB	P510, P518, P519, P616
DXX1545	Cerebral Complications in NB	P90, P910, P911, P913, P914, P915, P918, P919
DXX1546	Necrotizing Enterocolitis	P771, P772, P773, P779
DXX1547	Intestinal Complications in NB	P761, P762, P780
DXX1548	Respiratory Complication in Newborn	P228, P229, P250, P251, P252, P253, P258, P260, P261, P268, P269, P2810, P2811, P2819, P285, P2881, P2889
DXX1549	Iatrogenic Complications in NB	P8330, P8339, P930, P938
DXX1550	Other Complications in NB	P2911, P2912, P392, P394, P398, P399, P84
DXX1551	Neonatal Aspiration	P2410, P2411, P2420, P2421, P2430, P2431, P2480, P2481, P249
DXX1552	Sepsis of Newborn	P360, P3610, P3619, P362, P3630, P3639, P364, P365, P368, P369
DXX1556	Maternal Conditions or Surgeries affecting NB	P000, P001, P002, P003, P004, P005, P006, P007, P0081, P0089, P009, P010, P011, P012, P013, P014, P016, P018, P019, P027, P028, P029, P035, P036, P040, P9681
DXX1557	NB affected by Maternal Alcohol/Drug intake	P041, P042, P043, P0441, P0449, P045, P046, P048, P049, P961, P962, Q860, Q861, Q862, Q868

DXX1558	Complicated Vaginal Birth	P030, P031, P032, P033
DXX1560	Placenta previa, umbilical cord prolapse, pla	P024, P025, P0260
DXX1561	Oth Complications of labor & delivery affect	P0389, P039
DXX1564	Isoimmunization, Hemolysis in Newborn	P550, P560, P581, P582, P5841, P5842, P588, P589, P832
DXX1566	Other Neonatal Jaundice	P5920, P5929
DXX1567	Endocrine & Metabolic Disturbances of NB	P700, P701, P710, P711, P712, P713, P718, P719
DXX1579	Intraventricular Hemorrhage	P102, P103, P520, P521, P5221, P5222, P523, P525
DXX1580	Anemia & other Blood Conditions in NB	P612
DXX1581	Blood loss in NB	P502, P504, P505
DXX1584	Birth Asphyxia, Hypoxemia, NB	P912, P9160, P9161, P9162, P9163
DXX1585	Respiratory Distress in Newborn	P220
DXX1849	Other bacterial infections	B961, B965, B9689
DXX1853	Bacteremia, SIRS, no organ dysfunction	R6510, R7881
DXX1855	E. Coli Infection	B9620, B9621, B9622, B9623, B9629
DXX2361	complications of surgical procedures	J95812
XX0000	Ungrouped Codes	P0270, P0278, P0411, P0412, P0413, P0414, P0415, P0416, P0417, P0418, P0419, P041A, P0440, P0442, P0481, P0489, P2930, P7421, P7422, P7431, P7432, P7441, P74421, P74422, P7449, P7884, P8381, P91811, P91819, P9188, A0471, A0472, P0270, P0278, P0411, P0412, P0413, P0414, P0415, P0416, P0417, P0418, P0419, P041A, P0440, P0442, P0481, P0489, P0519, P2930, P7421, P7422, P7431, P7432, P7441, P74421, P74422, P7449, P7884, P8381, P91811, P91819, P91821, P91822, P91823, P91829, P9188

Table 3a: ICD-10 Actionable Adverse Events

Group ID	Group Name	Code Value
DXX1588	Extreme Immaturity or < 26 weeks	P0702, P0703, P0710, P0716, P0717, P0718, P0721, P0722, P0723, P0724, P0725, P0730
DXX1589	Prematurity or < 36 weeks	P0720, P0732, P0733, P0734, P0735, P0736, P0737, P0738, P0739
DXX1590	Very Extreme LBW Baby < 500 gms	P0501, P0511, P0701
DXX1591	Extreme LBW Baby 500 - 999 gms	P0502, P0503, P0512, P0513, P0700, P0726, P0731
DXX1592	Very LBW Baby 1000 - 1499 gms	P0504, P0505, P0514, P0515, P0714, P0715
DXX1593	Low Birth Weight Baby 1500 - 2500 gms	P0500, P0506, P0507, P0508, P0510, P0516, P0517, P0518, P0519
DXX1407	Preterm birth	P590

Table 4: Relevant Procedure Codes CPT/HCPCS

Group ID	Group Name	Code Value
CT0083	Blood Type, Coomb's test	86077, 86880, 86900, 86901
CT0084	Car Seat Challenge	94780, 94781
CT0085	Developmental Milestones	96110
CT0087	Hearing Test	92558, 92586, 92587, 92588
CT0088	Hepatitis B vaccine	90744, G0010
CT0089	Metabolic Renal Hepatic Chemistry Panel	82247, 82248, 82947
CT0091	Physician Services - Outpatient	99050, 99051, 99053, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99243, 99244, 99245, 99381, 99391, 99461, T1015
CT0092	Physician Services - Inpatient	99221, 99222, 99223, 99238, 99239, 99252, 99253, 99254, 99255, 99460, 99463, 99464, 99468, 99477
CT0093	Routine Immunizations	90460, 90471
CT0094	Screen for amino acid disorders	84030
CT0095	Screen for sickle cell disease	S3850
CT0096	Subsequent Physician Services Inpatient	99462, 99469, 99478, 99479, 99480
CT0097	Vitamin K administration	J3430



CT01394	Medications (Injections, infusions and other forms)	J7121
CT0335	Procedure - laryngoscopy - dx	31520
CT04281	Blood Gases, Pulse Oximetry	94760
CT0441	Other care - respiratory - equipment / supplies - apnea monitor	E0618, E0619
CT05178	Procedure - catheter - venous - other - other	36510
CT05183	Procedure - catheter - arterial - other	36660
CT0619	Procedure - gastrostomy	43831
CT10295	Thyroid Function Tests	84436, 84437, 84439, 84442, 84443, 84480
CT1205	Procedure - circumcision	54150, 54160, 54161, 54163
CT1217	Procedure - other or rx; male genital	54162
CT1615	Therapy - transfusion - administration	36450
CT16297	Blood Count	85007, 85025
CT16298	NewBorn Blood Tests	36416, 82948, 88720, S3620
CT16316	Blood transfusion	P9071, P9072
CT23398	Ancillary Services	99415, 99416
CT9903	E & M - hospital	99465, 99466, 99467, 99471, 99472, 99481, 99482
CT9908	E & M - other	99485, 99486
CT99183	Transportation - other transportation	A0225
CT9927	Procedure - related supplies - other	C9360
CT9934	Therapy - ultraviolet light therapy	E0691, E0692, E0693, E0694
CT99406	Case Management Services - Maternity	99502
XX0000	Ungrouped Codes	36456, 6030F, 81105, 81106, 81107, 81108, 81109, 81110, 81111, 81112, 99184, G9654, G9655, G9656, G9657, G9658, G9964, G9965, 36415, 90674, 90682, 90750, 90756, 98970, 98971, 98972, 99421, 99422, 99423, 99451, 99452, 99453, 99454, 99457, 99458, 0116U, G0508, G0509, G0511, G0512, G0513, G0514, G2021, G2061, G2062, G2063, G2064, G2065