**Supplementary Tables**

**Table S1: Classification of diagnoses via pathophysiological classification**

|  |  |  |
| --- | --- | --- |
| PATHOPHYSIOLOGICAL CLASSIFICATION | LIST OF DIAGNOSES | ICD-9 code |
| ALLERGY/HYPERSENSITIVITY | ADENOID HYPERTROPHY | 474.12 |
| ADENOIDECTOMY WITHOUT TONSILLECTOMY | 28.2-28.3 |
| ALLERGIC CONJUNCTIVITIS | 372.14 |
| ALLERGY | 995.3 |
| ALLERGY BEE STING (ANAPHYLATIC SHOCK) | 995.3 |
| ALLERGY DRUG | 995.27 |
| ALLERGY FOOD | 995.3 |
| ANAPHYLACTIC SHOCK | 995.0 |
| ANGIOEDEMA | 995.1 |
| ASTHMA | 493.9 |
| ATOPIC DERMATITIS | 691.8 |
| ATOPIC DERMATITIS/ECZEMA | 691.8 |
| BRONCHIAL ASTHMA | 493.92 |
| CONJUNCTIVITIS | 372.30 |
| DERMATOGRAPHIA | 708.3 |
| DRUG ALLERGIC REACTION | 995.27 |
| HYPERTROPHIC TONSILS & ADENOIDS | 474.12 |
| MILK ALLERGY | 995.3 |
| POLYPS NASAL | 471.0 |
| RHINITIS ALLERGIC | 477.9 |
| RHINITIS CHRONIC | 472.0 |
| RHINITIS VASOMOTOR | 472.0 |
| RHINORRHEA | 349.81 |
| SYSTEMIC FOOD DERMATITIS | 692.9 |
| TONSIL AND ADENOID HYPERTROPHY | 472.0 |
| TONSIL HYPERTROPHY ALONE | 474.10 |
| TONSILLECTOMY WITH ADENOIDECTOMY | 28.00 |
| TONSILLECTOMY WITHOUT ADENOIDECTOMY | 28.00 |
| TONSILS WITH ADENOIDS | 474.10 |
| URTICARIA | 708.9 |
| URTICARIA ALLERGIC | 708.00 |
| URTICARIA CHRONIC | 708.9 |
| ANEMIA | ANEMIA HYPOCHROMIC | 280.9 |
| ANEMIA MICROCYTIC | 280.9 |
| ANEMIA NUTRITIONAL | 281.8 |
| ANEMIA TO G6PD DEFICIENCY | 282.2 |
| HYPOCHROMIC ANEMIA | 280.9 |
| IRON DEFICIENCY ANEMIA | 280.9 |
| CONGENITAL | ANKYLOGLOSSIA | 750.0 |
| ARACHNOID CYST | 349.2 |
| ASYMMETRY HEAD | 754.0 |
| ATRESIA CHOANAL | 748.0 |
| ATRIAL SEPTAL DEFECT | 745.5 |
| ATROPHY OF TESTIS | 608.3 |
| BICUSPID AORTIC VALVE | 746.4 |
| BRONCHOPULMONARY DYSPLASIA | 770.7 |
| CATARACT NUCLEAR CONGENITAL | 366.9 |
| CEREBRAL PALSY | 343.9 |
| CLEFT LIP | 749.20 |
| CLEFT PALATE | 749.20 |
| CLEFT PALATE UNILATERAL INCOMPLETE | 749.20 |
| CLEFT PALATE+CLEFT LIP | 749.20 |
| COLOBOMA OF IRIS CONGENITAL | 743.46 |
| COLOBOMA OPTIC DISC | 377.23 |
| CRANIOSYNOSTOSIS | 756.0 |
| CROUZON SYNDROME | 756.0 |
| CRYPTORCHISM | 752.51 |
| DACRYOSTENOSIS | 375.55 |
| DEPRIVATION AMBLYOPIA | 368.00 |
| DEVIATED NASAL SEPTUM | 470.00 |
| DISLOCATION HIP CONGENITAL | 754.30 |
| DIVERTICULUM OF BLADDER | 596.3 |
| DUANES SYNDROME | 378.71 |
| DYSPLASIA ACETABULAR | 754.30 |
| DYSPLASIA HIP | 754.30 |
| DYSPLASIA HIP CONGENITAL | 754.30 |
| ECTOPIC KIDNEY | 753.3 |
| ECTOPIC KYDNEY | 753.3 |
| FISTULA ANORECTAL | 565.1 |
| FUSION OF KIDNEY | 753.3 |
| GENU VARUS - BOWLEGS CONGENITAL | 736.42 |
| GLAUCOMA CONGENITAL | 365.14 |
| HYDROCEPHALUS CONGENITAL | 742.3 |
| HYPOSPADIA | 752.61 |
| HYPOSPADIAS | 752.61 |
| HYPOTHYROIDISM CONGENITAL | 243.00 |
| IGA IMMUNODEFICIENCY | 279.01 |
| IMMUNODEFIENCY WITH T-CELL DEFECT | 279.10 |
| IMPERFORATE ANUS | 751.2 |
| LARYNGOMALACIA/CONGENITAL | 748.3 |
| MEATAL STENOSIS | 598.9 |
| METATARSUS ADDUCTUS | 754.53 |
| METATARSUS ADDUCTUS CONGENITAL | 754.53 |
| MICROCEPHALY | 742.1 |
| MICROCHEILIA | 744.81 |
| MICROSTOMIA | 744.81 |
| NEVUS CONGENITAL | 216.9 |
| NYSTAGMUS CONGENITAL | 379.50 |
| OSTEOGENESIS IMPERFECTA | 756.51 |
| PATENT DUCTUS ARTERIOSUS | 747.0 |
| PATENT FORAM OVALE | 745.5 |
| PATENT FORAMEN OVALE | 745.5 |
| PECTUS EXCAVATUM | 754.81 |
| PECTUS EXCAVATUM CONGENITAL | 754.81 |
| PIGEON-TOE | 735.8 |
| PTOSIS CONGENITAL | 743.61 |
| PULMONARY STENOSIS CONGENITAL | 746.02 |
| PULMONARY VALVE DISEASE | 424.3 |
| SCLERA CONGENITAL ANOMALIES | 743.49 |
| SHORT LEG CONGENITAL | 755.30 |
| STENOSIS PULMONARY CONGENITAL | 746.02 |
| STENOSIS TEARDUCT CONGENITAL | 375.55 |
| STERNOCLEIDOMASTOID CONGENITAL DEFORMITY | 754.1 |
| STRABISMUS | 378.73 |
| STRIDOR CONGENITAL | 786.1 |
| SYNDACTYLY | 755.11 |
| SYNDACTYLY TOES WITHOUT BONE FUSION | 755.14 |
| TONGUE TIE | 750.0 |
| TORTICOLLIS CONGENITAL | 723.5 |
| UNDESC.TESTICLE/CRYPTORCHISM | 752.51 |
| UNDESCENDED TESTIS | 752.51 |
| UNRETRACTABLE FORESKIN | 605.00 |
| VENTRICULAR SEPTAL DEFECT | 745.4 |
| VITILIGO | 709.01 |
| DEVELOPMENTAL | DELAY IN DEVELOPMENT PHYSIOLOGICAL | 315.9 |
| DELAY IN MENTAL DEVELOPMENT PHYSIOLOGICAL | 315.9 |
| DELAYED MOTOR MILESTONES | 315.9 |
| DEVELOPMENT DELAY | 315.9 |
| DEVELOPMENT LACK OF - PHYSIOLOGIC | 315.9 |
| DEVELOPMENT SLOW | 315.9 |
| DEVELOPMENTAL DELAY | 315.9 |
| DEVELOPMENTAL LEARNING DIFFICULTIES | 315.2 |
| DYSPHASIA | 784.3 |
| GLOBAL DEVELOPMENT DELAY | 315.9 |
| INTELLECTUAL DISABILITIES | 317.00-319.00 |
| RETARDATION MENTAL | 319.00 |
| SLOW DEVELOPMENT | 315.9 |
| UNDERDEVELOPMENT PHYSIOLOGIC | 783.40 |
| DEVELOPMENTAL-SPEECH/LANGUAGE | DEVELOPMENTAL LANGUAGE DISORDER | 315.39 |
| DEVELOPMENTAL SPEECH OR LANGUAGE DISORDER | 315.39 |
| DISTURBANCE OF SPEECH | 315.39 |
| SPEECH DEFECT TRAINING | 315.39 |
| SPEECH DISTURBANCE | 315.39 |
| SPEECH OR LANGUAGE DISORDERS | 315.39 |
| GENETIC | ALBINISM | 270.2 |
| ANGELMANS SYNDROME | 759.89 |
| FAMILIAL MEDITERRANEAN FEVER | 277.31 |
| GLUCOSE-6-PHOSPHATE DEFICIENCY | 282.2 |
| GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY | 282.2 |
| GLYCOGEN STORAGE DISEASE | 271.0 |
| KERATODERMA | 701.1 |
| PFAPA (PERIODIC FEVER APHTHOUS STOMATITIS PHARYNGITIS & A | 277.31 |
| PFAPA (PERIODIC FEVER APHTHOUS STOMATITIS PHARYNGITIS & ADENOPATHY) | 277.31 |
| PHENYLKETONURIA | 270.1 |
| PHENYLKETONURIA PKU | 270.1 |
| STURGE WEBER SYNDROME | 759.6 |
| THALASSEMIA | 282.40 |
| THALASSEMIA MINOR | 282.46 |
| VON GIERKE`S DISEASE | 271.0 |
| HEARING IMPAIRMENT | CONDUCTIVE HEARING LOSS | 389.00 |
| DEAFNESS | 389.9 |
| DEAFNESS CONDUCTIVE TYMPANIC MEMRANE | 389.00 |
| DEAFNESS SENSORINEURAL SENSORY | 389.10 |
| DEAFNESS/PARTIAL OR COMPLETE | 389.00 |
| HEARING COMPLAINTS | 389.8 |
| HEARING EXAMINATION NOT OTHERWISE SPECIFIED | 389.8 |
| LOSS OF HEARING | 389.00 |
| SENSORINEURAL HEARING LOSS | 389.00 |
| INFECTIOUS | ARTHRITIS INFECTIOUS | 711.0 |
| BRONCHIOLITIS ACUTE | 466.00 |
| BRONCHOPNEUMONIA | 485.00 |
| CONJUNCTIVITIS VIRAL | 372.30 |
| OSTEOMYELITIS ACUTE | 730.0 |
| CYTOMEGALIC INCLUSION DISEASE | 078.5 |
| DACRYOCYSTITIS | 375.30 |
| DYSENTERY DIARRHEA | 004.9 |
| ECZEMATOID | 692.9 |
| GIARDIA LAMBLIASIS | 007.1 |
| GIARDIAL COLITIS | 558.9 |
| HEPATITIS C | 070.54 |
| HORDEOLUM EXTERNUM | 373.11 |
| INFECTION URINARY TRACT NOS | 599.0 |
| LISTERIOSIS | 027.0 |
| MENINGITIS ASEPTIC VIRAL | 047.9 |
| MENINGITIS E. COLI | 322.9 |
| MENINGITIS PNEUMOCOCCAL | 320.1 |
| MONONUCLEOSIS INFECTIOUS | 075.00 |
| OTITIS EXUDATIVE CHRONIC | 381.10 |
| OTITIS MEDIA ACUTE | 382.0 |
| OTITIS MEDIA ACUTE SEROUS | 381.0 |
| OTITIS MEDIA CHRONIC MUCOID GLUE | 381.1 |
| OTITIS MEDIA CHRONIC SEROUS | 381.1 |
| OTITIS MEDIA CHRONIC SUPPURATIVE | 382.3 |
| OTITIS MEDIA CHRONIC WITH EFFUSION | 381.1 |
| OTITIS MEDIA NON-SUPPURATIVE ACUTE | 381.4 |
| OTITIS SEROUS CHRONIC | 381.1 |
| OTORRHEA | 388.60 |
| OTORRHEA UNSPECIFIED | 388.60 |
| OXYURIASIS | 127.4 |
| PERIANAL ABSCESS | 566.00 |
| PERITONSILLAR ABSCESS | 475.00 |
| PNEUMONIA | 482.9 |
| PNEUMONIA HEMOPHILUS INFLUENZA | 482.2 |
| SEPSIS NEONATAL | 771.81 |
| THREADWORMS | 127.4 |
| THRUSH MOUTH | 112.0 |
| UPPER RESPIRATORY TRACT INFECTION | 465.9 |
| URI | 465.9 |
| URINARY TRACT INFECTION | 599.0 |
| URINARY TRACT INFECTION SITE UNSPECIFIED | 599.0 |
| VARICELLA | 052.0 |
| NEUROLOGICAL-CONVULSION RELATED | COMPLEX FEBRILE SEIZURES | 780.31 |
| CONTINUOUS SPIKE WAVE DURING SLOW WAVE SLEEP CSWS | 794.02 |
| CONVULSIONS | 780.3 |
| CONVULSIONS FEBRILE | 780.31 |
| CONVULSIONS NEWBORN | 780.3 |
| CONVULSIONS NOS | 780.39 |
| CONVULSIONS/SEIZURES | 780.3 |
| EPILEPSY | 345.9 |
| GENERALIZED EPILEPSY WITH FEBRILE SEIZURES PLUS | 345.10 |
| INFANTIL SPASMS | 345.6 |
| LENNOX GASTAUT SYNDROME | 345.01 |
| SEVERE MYOCLONIC EPILEPSY OF INFANCY - DRAVET SYNDROME | 345.11 |
| BMI PEDIATRIC OBESE GREATER THAN OR EQUAL TO 97TH PERCENT | 278.0 |
| BMI PEDIATRIC OVERWEIGHT 97TH < BMI < 99.9TH PERCENTILE FOR AGE | 278.0 |
| BMI PEDIATRIC RISK FOR OBESITY 85TH < BMI <= 97TH PERCENTILE FOR AGE | 278.0 |
| BMI PEDIATRIC RISK FOR OBESITY 85TH < BMI > 97TH PERCENTI | 278.0 |
| BMI PEDIATRICS OBESE GREATHER OR EQUAL TO 95TH PERCENTIL | 278.0 |
| OBESITY | 278.0 |
| OBESITY (BMI >30) | 278.0 |
| OVERWEIGHT (BMI < 30) | 278.02 |
| SLEEP APNEA | APNEA - SLEEP | 786.03 |
| OBSTRUCTIVE SLEEP APNEA | 786.03 |
| SLEEP APNEA | 786.03 |
| TRAUMA | ACCIDENT/INJURY; NOS | E928.9 |
| BLACK EYE TRAUMATIC | E928.9 |
| CEPHALHEMATOMA BIRTH INJURY | 920.0 |
| CONTUSION | 924.9 |
| CONTUSION EYE | 921.3 |
| FALL | E880-E888 |
| FALLS RECURRENT | V15.88 |
| FRACTURE ANKLE | 824.8 |
| FRACTURE CLAVICLE | 810.0 |
| FRACTURE CLAVICLE CLOSED | 810.00 |
| FRACTURE FACIAL BONES | 802.0 |
| FRACTURE FEMUR PERTROCHANTERIC CLOSED | 820.22 |
| FRACTURE HUMERUS SUPRACONDYLAR CLOSED | 812.41 |
| FRACTURE METACARPALS CLOSED | 815.00 |
| FRACTURE PHALANX/PHALANGES CLOSED | 816.00 |
| FRACTURE RADIUS | 813.0 |
| FRACTURE RADIUS NECK CLOSED | 813.06 |
| FRACTURE SKULL | 803.00 |
| FRACTURE TIBIA AND FIBULA SHAFT CLOSED | 823.2 |
| FRACTURE TIBIA WITH FIBULA CLOSED | 823.22 |
| FRACTURE ULNA SHAFT ALONE CLOSED | 813.82 |
| HEAD INJURY | 959.01 |
| HEMATOMA | 998.12 |
| INTRACRANIAL INJURY WITH SKULL FRACTURE | 803.1 |
| MOTOR VEHICLE ACCIDENT | E810-E819 |
| SPLEEN INJURY | 865.0 |
| VISUAL IMPAIRMENT | ASTIGMATISM | 367.20 |
| ASTIGMATISM REGULAR | 367.20 |
| CHOROIDEREMIA | 363.55 |
| HYPERMETROPIA | 367.0 |
| HYPEROPIA | 367.0 |
| MYOPIA | 367.1 |
| SHORT SIGHTEDNESS | 367.1 |

**Table S2: Classification of diagnoses via anatomical/systemic classification**

|  |  |  |
| --- | --- | --- |
| ANATOMICAL/SYSTEMIC CLASSIFICATION | LIST OF DIAGNOSES | ICD-9 code |
| ABDOMINAL WALL | HERNIA FEMORAL | 553.0 |
| HERNIA INGUINAL UNILATERAL | 550.90 |
| HERNIA INGUINAL UNILATERAL RECURRENT | 550.90 |
| HERNIA UMBILICAL | 552.0 |
| INGUINAL HERNIA | 550.0 |
| UMBILICAL HERNIA | 552.0 |
| ADENOID/TONSILS | ADENOID HYPERTROPHY | 474.12 |
| ADENOIDECTOMY WITHOUT TONSILLECTOMY | 28.2-28.3 |
| HYPERTROPHIC TONSILS & ADENOIDS | 474.12 |
| TONSIL AND ADENOID HYPERTROPHY | 472.0 |
| TONSIL HYPERTROPHY ALONE | 474.10 |
| TONSILLECTOMY WITH ADENOIDECTOMY | 28.00 |
| TONSILLECTOMY WITHOUT ADENOIDECTOMY | 28.00 |
| TONSILLITIS ACUTE | 463.0 |
| TONSILS WITH ADENOIDS | 474.10 |
| AURICULAR | HEARING COMPLAINTS | 389.9 |
| HEARING EXAMINATION NOT OTHERWISE SPECIFIED | V72.19 |
| SEROUS OTITIS MEDIA | 381.01 |
| CARDIOVASCULAR | ABNORMAL CARDIOVASCULAR FUNCTION STUDY | 794.30 |
| ATRIAL SEPTAL DEFECT | 745.5 |
| ATRIOVENTRICULAR BLOCK COMPLETE | 426.0 |
| BICUSPID AORTIC VALVE | 424.1 |
| CARDIOMEGALY | 429.3 |
| HEART MURMUR; NOS | 785.2 |
| INNOCENT HEART MURMUR | 785.2 |
| ISCHEMIC HEART DISEASE SUBACUTE | 414.9 |
| MURMUR HEART FUNCTIONAL INNOCENT | 785.2 |
| MURMUR HEART INNOCENT | 785.2 |
| MURMUR HEART SYSTOLIC | 785.2 |
| PATENT FORAM OVALE | 745.5 |
| PATENT FORAMEN OVALE | 745.5 |
| PULMONARY HYPERTENSION | 416.0 |
| PULMONARY HYPERTENSION PRIMARY | 416.0 |
| PULMONARY HYPERTENSION SECONDARY | 416.0 |
| PULMONARY STENOSIS CONGENITAL | 747.31 |
| PULMONARY VALVE DISEASE | 424.3 |
| STENOSIS PULMONARY CONGENITAL | 747.31 |
| SUPRAVENTRICULAR TACHYCARDIA | 427.0 |
| SYSTOLIC MURMUR | 785.2 |
| VENTRICULAR SEPTAL DEFECT | 745.4 |
| DERMATOLOGICAL | ALBINISM | 757.33 |
| ANGIOMA | 228.00 |
| CAFE AU LAIT SPOTS | 709.09 |
| CYST EPIDERMAL | 706.2 |
| DERMATOGRAPHIA | 708.3 |
| KERATODERMA | 701.1 |
| NEVUS BLUE | 216.9 |
| NEVUS CONGENITAL | 216.9 |
| NEVUS EPIDERMAL | 216.9 |
| NEVUS SEBACEOUS | 216.9 |
| PAPILLOMA SKIN | 079.4 |
| PERIORAL DERMATITIS | 691.0 |
| SEBACEOUS CYST | 706.2 |
| SEBORRHEA | 706.3 |
| SEBORRHEIC DERMATITIS | 706.3 |
| SEBORRHOEIC ECZEMA | 706.3 |
| SKIN TAG | 701.19 |
| SYSTEMIC FOOD DERMATITIS | 693.1 |
| VITILIGO | 709.01 |
| ENDOCRINOLOGICAL | BMI PEDIATRIC OBESE GREATER THAN OR EQUAL TO 97TH PERCENT | 278.0 |
| BMI PEDIATRIC OVERWEIGHT 97TH < BMI < 99.9TH PERCENTILE FOR AGE | 278.0 |
| BMI PEDIATRIC RISK FOR OBESITY 85TH < BMI <= 97TH PERCENTILE FOR AGE | 278.0 |
| BMI PEDIATRIC RISK FOR OBESITY 85TH < BMI > 97TH PERCENTI | 278.0 |
| BMI PEDIATRIC UNDERWEIGHT LESS THAN 3RD PERCENTILE FOR AG | 783.22 |
| DIABETES INSIPIDUS | 253.5 |
| DIABETES MELLITUS | 250 |
| DIABETES MELLITUS JUVENILE ONSET | 250 |
| EATING DISORDER | 307.50 |
| GLUCOSE-6-PHOSPHATE DEFICIENCY | 277.6 |
| GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY | 277.6 |
| GLYCOGEN STORAGE DISEASE | 271.0 |
| GYNECOMASTIA | 611.1 |
| HIRSUTISM | 704.1 |
| HIRSUTISM ACQUIRED | 704.1 |
| HORMONE REPLACEMENT THERAPY | V07.4 |
| HYPERBILIRUBINEMIA | 277.4 |
| HYPERBILIRUBINEMIA NEWBORN | 774.6 |
| HYPERKERATOSIS | 102.3 |
| HYPERTRICHOSIS | 374.54 |
| HYPOGLYCEMIA | 251.2 |
| HYPOGLYCEMIA UNSPECIFIED | 251.2 |
| HYPOTHYROIDISM | 243.0 |
| HYPOTHYROIDISM ACQUIRED | 244.0 |
| HYPOTHYROIDISM CONGENITAL | 243.0 |
| HYPOTHYROIDISM/MYXEDEMA | 244.9 |
| MODY MATURE ONSET DIABETES IN YOUNG | 250.00 |
| MYXEDEMA CIRCUMSCRIBED | 244.9 |
| MYXEDEMA PRIMARY NOT SPECIFIED | 244.9 |
| OBESITY | 278.0 |
| OVERDEVELOPMENT BREAST | 259.1 |
| OVERWEIGHT (BMI < 30) | 278.0 |
| PANHYPOPITUITARISM | 253.2 |
| PHENYLKETONURIA | 270.1 |
| PHENYLKETONURIA PKU | 270.1 |
| PHYSIOLOGICAL JAUNDICE OF NEWBORN | 774.6 |
| SEXUAL PRECOCITY | 259.1 |
| SHORT STATURE | 783.43 |
| VITAMIN D DEFICIENCY | 268.9 |
| VON GIERKE`S DISEASE | 271.0 |
| GASTROINTESTINAL | APPENDECTOMY | 540.9 |
| APPENDICITIS | 540.9 |
| APPENDICITIS WITH PERITONEAL ABSCESS | 540.1 |
| BLOOD IN STOOLS | 578.1 |
| CELIAC DISEASE | 579.0 |
| CHOLELITHIASIS | 574.0 |
| CONSTIPATION | 564.00 |
| CROHNS DISEASE | 555.0 |
| DIARRHEA | 787.91 |
| ESOPHAGEAL REFLUX | 530.81 |
| ESOPHAGUS ACHALASIA | 530.0 |
| FECAL IMPACTION | 560.32 |
| HEPATOMEGALY | 789.1 |
| IMPERFORATE ANUS | 751.2 |
| INTUSSUSCEPTION | 560.0 |
| LACTOSE INTOLERANCE | 271.3 |
| MELENA | 578.1 |
| MILK ALLERGY | V15.02 |
| PILONIDAL FISTULA | 685.1 |
| REFLUX | 530.81 |
| REFLUX ESOPHAGEAL | 530.81 |
| REGURGITATION FOOD | 307.53 |
| SPLENOMEGALY | 789.2 |
| STEATORRHEA | 579.4 |
| VOMITING - EMESIS | 787.0 |
| HEMATOLOGICAL | ANEMIA HYPOCHROMIC | 280.9 |
| ANEMIA MICROCYTIC | 280.9 |
| ANEMIA NUTRITIONAL | 281.9 |
| ANEMIA TO G6PD DEFICIENCY | 282.2 |
| HEMATOMA | 729.92 |
| HEMOPHILIA | 286.52 |
| HEMOPHILIA FACTOR VIII DISORDER | 286.0 |
| HYPOCHROMIC ANEMIA | 280.9 |
| IRON DEFICIENCY | 280.9 |
| IRON DEFICIENCY ANEMIA | 280.9 |
| LEUKOPENIA | 288.50 |
| NEUTROPENIA | 288.00 |
| PURPURA SENILE | 287.2 |
| THALASSEMIA | 282.40 |
| THALASSEMIA MINOR | 282.46 |
| THROMBOCYTOPENIA | 287.5 |
| NEUROLOGICAL | ARACHNOID CYST | 348.0 |
| ATAXIA | 334.3 |
| CEREBRAL PALSY | 343.0 |
| CEREBROVASCULAR ACCIDENT - CVA | 434.0 |
| COMPLEX FEBRILE SEIZURES | 780.32 |
| CONTINUOUS SPIKE WAVE DURING SLOW WAVE SLEEP CSWS | 794.02 |
| CONVULSIONS | 780.3 |
| CONVULSIONS FEBRILE | 780.31 |
| CONVULSIONS NEWBORN | 780.3 |
| CONVULSIONS NOS | 780.39 |
| CONVULSIONS/SEIZURES | 780.3 |
| DELAY IN DEVELOPMENT PHYSIOLOGICAL | 315.9 |
| DELAY IN MENTAL DEVELOPMENT PHYSIOLOGICAL | 315.9 |
| DELAYED MOTOR MILESTONES | 315.9 |
| DELAYED SPEECH | 315.39 |
| DEVELOPMENT DELAY | 315.9 |
| DEVELOPMENT LACK OF - PHYSIOLOGIC | 315.9 |
| DEVELOPMENT SLOW | 315.9 |
| DEVELOPMENTAL DELAY | 315.9 |
| DEVELOPMENTAL LANGUAGE DISORDER | 315.39 |
| DEVELOPMENTAL LEARNING DIFFICULTIES | 315.2 |
| DEVELOPMENTAL SPEECH OR LANGUAGE DISORDER | 315.39 |
| DISTURBANCE OF SPEECH | 315.39 |
| EPILEPSY | 345.9 |
| GENERALIZED EPILEPSY WITH FEBRILE SEIZURES PLUS | 345.10 |
| GLOBAL DEVELOPMENT DELAY | 315.9 |
| HEADACHE | 784.0 |
| HYDROCEPHALUS | 742.3 |
| HYDROCEPHALUS COMMUNICATING | 742.3 |
| HYDROCEPHALUS CONGENITAL | 742.3 |
| INFANTIL SPASMS | 345.6 |
| LENNOX GASTAUT SYNDROME | [345.80](http://www.icd9data.com/2015/Volume1/320-389/340-349/345/345.80.htm?__hstc=93424706.57b26b0bc9f5f38ca9481aea332a0051.1573323102131.1573895414725.1573901664347.3&__hssc=93424706.2.1573901664347&__hsfp=2985402543) |
| MACROCEPHALY | 756.0 |
| MICROCEPHALY | 756.0 |
| SEIZURE FEBRILE | 780.31 |
| SEVERE MYOCLONIC EPILEPSY OF INFANCY - DRAVET SYNDROME | 345.11 |
| SIMPLE FEBRILE SEIZURES | 780.31 |
| TREMOR NOS | 781.0 |
| NEUROLOGICAL-OPHTALMOLOGICAL | AMBLYOPIA | 368.00 |
| HYPERPHORIA ALTERNATING | 378.45 |
| NYSTAGMUS CONGENITAL | 379.50 |
| SACCADIC EYE MOVEMENTS DEFICIENCY | 379.57 |
| STRABISMUS | 378.73 |
| NEUROMUSCULAR | HYPOTONIA | 781.99 |
| MUSCULAR DYSTROPHY | 359.0 |
| MYOPATHY | 359.9 |
| SPASTIC DIPLEGIA | 342.10 |
| OPHTALMOLOGICAL | ANISOCORIA | 379.41 |
| ASTIGMATISM | 367.20 |
| CATARACT NUCLEAR CONGENITAL | 743.30 |
| CHOROIDEREMIA | 363.55 |
| COLOBOMA OF IRIS CONGENITAL | 743.46 |
| COLOBOMA OPTIC DISC | 377.23 |
| DEPRIVATION AMBLYOPIA | 368.00 |
| DUANES SYNDROME | 378.71 |
| EPIPHORA EXCESS LACRIMATION | 375.21 |
| EPIPHORA INSUFFICIENT DRAINAGE | 375.22 |
| ESOTROPIA ALTERNATING | 378.00 |
| ESOTROPIA NOT SPECIFIED | 378.00 |
| EXOPHORIA | 378.42 |
| EXOTROPIA | 378.10 |
| EXOTROPIA UNSPECIFIED | 378.10 |
| GLAUCOMA | 365.0 |
| GLAUCOMA CONGENITAL | 365.14 |
| HYDROPHTHALMOS | 743.2 |
| HYPERMETROPIA | 367.0 |
| HYPEROPIA | 367.0 |
| MYOPIA | 367.1 |
| PTOSIS CONGENITAL | 743.61 |
| RETINITIS PIGMENTOSA | 362.74 |
| SCLERA CONGENITAL ANOMALIES | 743.47 |
| SHORT SIGHTEDNESS | 367.1 |
| STENOSIS TEARDUCT CONGENITAL | 375.56 |
| TEAR DUCT OBSTRUCTION | 375.55 |
| UVEITIS UNSPECIFIED | 364.3 |
| ORTHOPEDIC | ACETABULAR DYSPLASIA | 754.30 |
| BOW LEGS ACQUIRED | 736.42 |
| BOWLEG ACQUIRED | 736.42 |
| CLUBFOOT | 754.51 |
| DEFORMITY FEMUR ACQUIRED | 736.81 |
| DISLOCATION HIP CONGENITAL | 754.30 |
| DYSPLASIA ACETABULAR | 754.30 |
| DYSPLASIA HIP | 754.30 |
| DYSPLASIA HIP CONGENITAL | 754.30 |
| EOSINOPHILIC GRANULOMA | 686.1 |
| FLATFOOT BILATERAL | 734.0 |
| GAIT PROBLEM | 781.2 |
| GENU VARUS - BOWLEGS CONGENITAL | 736.42 |
| HYPERMOBILITY SYNDROME | 728.5 |
| INTOEING | 735.8 |
| INTOEING BILATERAL | 735.8 |
| INTOEING RIGHT | 735.8 |
| MACROCRANIA | 756.0 |
| METATARSUS ADDUCTUS | 754.53 |
| METATARSUS ADDUCTUS CONGENITAL | 754.53 |
| OSTEOGENESIS IMPERFECTA | 756.51 |
| OUTTOEING | 735.8 |
| OUTTOEING LEFT | 735.8 |
| PECTUS CARINATUM ACQUIRED | 754.82 |
| PECTUS EXCAVATUM | 754.81 |
| PECTUS EXCAVATUM CONGENITAL | 754.81 |
| PIGEON-TOE | 735.5 |
| PLAGIOCEPHALY | 754.0 |
| SCOLIOSIS | 737.30 |
| SHORT LEG CONGENITAL | 755.30 |
| SYNDACTYLY | 755.10 |
| SYNDACTYLY TOES WITHOUT BONE FUSION | 755.10 |
| TALIPES | 754.51 |
| ORTHOPEDIC-FRACTURE | FRACTURE ANKLE | 824.8 |
| FRACTURE CLAVICLE | 810.0 |
| FRACTURE CLAVICLE CLOSED | 810.00 |
| FRACTURE FACIAL BONES | 802.0 |
| FRACTURE FEMUR PERTROCHANTERIC CLOSED | 820.22 |
| FRACTURE HUMERUS SUPRACONDYLAR CLOSED | 812.41 |
| FRACTURE METACARPALS CLOSED | 815.00 |
| FRACTURE PHALANX/PHALANGES CLOSED | 816.00 |
| FRACTURE RADIUS | 813.0 |
| FRACTURE RADIUS NECK CLOSED | 813.06 |
| FRACTURE SKULL | 803.00 |
| FRACTURE TIBIA AND FIBULA SHAFT CLOSED | 823.2 |
| FRACTURE TIBIA WITH FIBULA CLOSED | 823.22 |
| FRACTURE ULNA SHAFT ALONE CLOSED | 813.82 |
| PSYCHIATRIC | ATTENTION DEFICIT DISORDER | 314.00 |
| ATTENTION DEFICIT DISORDER OF CHILDHOOD | 314.00 |
| ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY | 314.01 |
| BEHAVIORAL PROBLEMS | V40.0 |
| EMOTIONAL DISTURBANCE CHILDHOOD | 313.9 |
| INTELLECTUAL DISABILITIES | 319.0 |
| MENTAL AND BEHAVIORAL PROBLEMS | V40.9 |
| MENTAL RETARDATION | 319.0 |
| RETARDATION MENTAL | 319.0 |
| SLOW DEVELOPMENT | 315.9 |
| SPEECH DEFECT TRAINING | 784.59 |
| SPEECH DISTURBANCE | 315.39 |
| SPEECH OR LANGUAGE DISORDERS | 315.39 |
| RENAL | CYST KIDNEY | 753.10 |
| FUSION OF KIDNEY | 753.3 |
| HYDRONEPHROSIS | 591.0 |
| HYDROURETER | 593.5 |
| RESPIRATORY | ASTHMA | 493.9 |
| BREATH-HOLDING ATTACK | 786.9 |
| BRONCHIAL ASTHMA | 493.0 |
| BRONCHOPULMONARY DYSPLASIA | 770.7 |
| COUGH | 786.2 |
| LARYNGOMALACIA/CONGENITAL | 748.3 |
| POLYPS NASAL | 471.0 |
| RESPIRATORY DISTRESS SYNDROME | 769.0 |
| RESPIRATORY DISTRESS SYNDROME OF NEWBORN | 769.0 |
| RHINORRHEA | 349.81 |
| SNORING | 786.09 |
| STRIDOR | 786.1 |
| STRIDOR CONGENITAL | 786.1 |
| UPPER AIRWAY OBSTRUCTION | 465.9 |
| WHEEZING | 786.07 |
| WHEEZING BABY SYNDROME | 786.07 |
| UROLOGICAL | ATROPHY OF TESTIS | 608.3 |
| CRYPTORCHISM | 752.51 |
| DIVERTICULUM OF BLADDER | 596.3 |
| HYDROCELE | 603.9 |
| HYPOSPADIA | 752.61 |
| HYPOSPADIAS | 752.61 |
| MEATAL STENOSIS | 753.6 |
| NEPHROLITHIASIS | 274.11 |
| PHIMOSIS | 605.0 |
| TORSION OF TESTIS | 608.20 |
| UNDESC.TESTICLE/CRYPTORCHISM | 752.51 |
| UNDESCENDED TESTIS | 752.51 |
| UNRETRACTABLE FORESKIN | 605.0 |
| URETEROPELVIC JUNCTION STENOSIS UVJ STENOSIS | 753.21 |

**Table S3:** **Diagnoses given by the primary physician in the community clinic, based on pathophysiological classification stratified by sex.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ASD  N=459 | | w/o ASD  N=2285 | | OR (95% CI) | | Breslow-Day test of OR homogeneity  p-value |
|  | Boys  N=371 | Girls  N=88 | Boys  N=1845 | Girls  N=440 | Boys | Girls |
| Allergy/ hypersensitivity | 63 (17%) | 9 (10.2%) | 215 (11.7%) | 29 (6.6%) | 1.55 (1.14-2.11) | 1.62 (0.736-3.542) | 0.925 |
| Anemia | 7 (1.9%) | 5 (5.7%) | 47 (2.5%) | 8 (1.8%) | 0.74 (0.33-1.64) | 3.25 (1.04-10.19) | **0.029** |
| Congenital | 46 (12.4%) | 8 (9.1%) | 124 (6.7%) | 18 (4.1%) | 1.96 (1.37-2.81) | 2.34 (0.99-5.58) | 0.711 |
| Epilepsy | 9 (2.4%) | 2 (2.3%) | 24 (1.3%) | 3 (0.7%) | 1.89 (0.87-4.09) | 3.39 (0.56-20.58) | 0.695 |
| Hearing impairment | 11 (3%) | 2 (2.3%) | 12 (0.7%) | 2 (0.5%) | 4.67 (2.05-10.66) | 5.09 (0.71-36.65) | 0.936 |
| Infectious | 16 (4.3%) | 4 (4.5%) | 51 (2.8%) | 5 (1.1%) | 1.59 (0.89-2.81) | 4.143 (1.09-15.75) | 0.184 |
| Overweight | 33 (8.9) | 6 (6.8%) | 10 (6%) | 28 (6.4%) | 1.54 (1.03-2.31) | 1.08 (0.43-2.68) | 0.481 |
| Sleep apnea | 4 (1.1%) | 1 (1.1%) | 15 (0.8%) | 3 (0.7%) | 1.33 (0.44-4.03) | 1.67 (0.17-16.29 | 0.858 |
| Trauma | 5 (1.3%) | 0 (0%) | 15 (0.8%) | 3 (0.7%) | 1.67 (0.60-4.14) | 0.83 (0.80-0.87) | 0.327 |
| Visual impairment | 3 (0.8%) | 2 (2.3%) | 8 (0.4%) | 1 (0.2%) | 1.87 (0.49-7.09) | 10.21 (1.92-113.85) | 0.203 |

The differences in diagnoses between children with and without ASD were evaluated via Pearson's Chi-square or Fisher exact tests. Statistically significant differences (p<0.05) are highlighted in bold font.

**Table S4:** **Diagnoses given by the primary physician in the community clinic, based on pathophysiological classification stratified by ethnicity (Jewish/Bedouin).**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ASD  N=459 | | | w/o ASD  N=2285 | | | OR (95% CI) | | Breslow-Day test of OR homogeneity  p-value |
|  | Bedouin  N=133 | Jewish  N=326 | Bedouin  N=133 | | Jewish  N=326 | Bedouin | | Jewish |
| Allergy/ hypersensitivity | 20 (15%) | 52 (16%) | 41 (6,2%) | | 203 (12.5%) | 2.69 (1.52-4.77) | | 1.33 (0.95-1.84) | **0.033** |
| Anemia | 8(6%) | 4 (1.2%) | 30 (4.5%) | | 25 (1.5%) | 1.36 (0.61-3.02) | | 0.79 (0.27-2.29) | 0.427 |
| Congenital | 22 (16.5%) | 32 (9.8%) | 42 (6.3%) | | 100 (6.2%) | 2.94 (1.69-5.12) | | 1.654 (1.09-2.51) | 0.103 |
| Epilepsy | 3 (2.3%) | 8 (2.5%) | 6 (0.9%) | | 21 (1.35) | 2.54 (0.63-10.26) | | 1.92 (0.84-4.36) | 0.712 |
| Hearing impairment | 5 (3.8%) | 8 (2.5%) | 4 (0.6%) | | 10 (0.6%) | 6.46 (1.71-24.37) | | 4.05 (1.59-10.34) | 0.573 |
| Infectious | 6 (4.5%) | 14 (4.3%) | 16 (2.4%) | | 40 (2.5%) | 1.92 (0.74-4.92) | | 1.77 (0.95-3.30) | 0.893 |
| Overweight | 13 (9.8%) | 26 (8%) | 31 (4.7%) | | 107 (6.6%) | 2.22 (1.13-4.36) | | 1.23 (0.78-1.91) | 0.149 |
| Sleep apnea | 2 (1.5%) | 3 (0.9%) | 5 (0.8%) | | 13 (0.8%) | 2.02 (0.39-10.50) | | 1.15 (0.33-4.05) | 0.593 |
| Trauma | 1 (0.8%) | 4 (1.2%) | 3 (0.5%) | | 15 (0.9%) | 1.67 (0.17-16.20) | | 1.33 (0.44-4.03) | 0.859 |
| Visual impairment | 1 (0.8%) | 4 (1.2%) | 2 (0.3%) | | 7 (0.4%) | 2.51 (0.23-27.90) | | 2.86 (0.83-9.84) | 0.924 |

The differences in diagnoses between children with and without ASD were evaluated via Pearson's Chi-square or Fisher exact tests. Statistically significant differences (p<0.05) are highlighted in bold font.

**Table S5:** **Diagnoses given by the primary physician in the community clinic, based on anatomical/systemic classification stratified by sex.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ASD  N=459 | | | w/o ASD  N=2285 | | | OR (95% CI) | | Breslow-Day test of OR homogeneity  p-value |
|  | Boys  N=371 | Girls  N=88 | Boys  N=1845 | | Girls  N=440 | Boys | | Girls |
| Abdominal wall defect | 3 (0.8%) | 2 (2.3%) | 34 (1.8%) | | 4 (0.9%) | 0.43 (0.13-1.42) | | 2.54 (0.46-14.06) | 0.071 |
| Adenoid / Tonsils | 28 (7.5%) | 1 (1.1%) | 78 (4.2%) | | 13 (3%) | 1.85 (1.18-2.89) | | 0.378 (0.05-2.92) | 0.105 |
| Auricular diseases | 6 (1.6%) | 1 (1.1%) | 7 (0.4%) | | 0 (0%) | 4.32 (1.44-12.92) | | - |  |
| Cardiovascular | 24 (6.5%) | 2 (2.3%) | 62 (3.4%) | | 13 (3%) | 1.99 (1.23-3.23) | | 0.76 (0.17-3.45) | **0.019** |
| Dermatological | 7 (1.9%) | 2 (2.3%) | 13 (0.7%) | | 5 (1.1%) | 2.710 (1.07-6.84) | | 2.02 (0.39-10.60) | 0.762 |
| Endocrinological | 37 (10%) | 9 (10.2%) | 132 (7.25) | | 28 (6.4%) | 1.44 (0.98-2.11) | | 1.68 (0.76-3.69) | 0.731 |
| Gastrointestinal | 19 (5.1%) | 6 (6.8%) | 57 (3.1%) | | 12 (2.7%) | 1.69 (1.00-2.88) | | 2.61 (0.95-7.15) | 0.455 |
| Hematological | 13 (3.5%) | 6 (6.8%) | 67 (3.6%) | | 13 (3%) | 0.96 (0.53-1.76) | | 2.403 (0.89-6.51) | 0.119 |
| Neurological | 60 (16.2%) | 16 (18.2%) | 47 (2.5%) | | 7 (1.6%) | 7.38 (4.95-11.01) | | 13.75 (5.46-34.58) | 0.222 |
| Neuro-ophthalmological | 5 (1.3%) | 2 (2.35) | 7 (0.4%) | | 1 (0.2%) | 3.59 (1.13-11.36) | | 10.21 (0.92-113.85) | 0.432 |
| Neuromuscular | 3 (0.8%) | 1 (1.1%) | 8 (0.4%) | | 1 (0.2%) | 1.87 (0.49-7.09) | | 5.05 (0.31-81.45) | 0.519 |
| Ophthalmological | 9 (2.4%) | 3 (3.4%) | 15 (0.8%) | | 3 (0.7%) | 3.03 (1.32-6.98) | | 5.14 (1.02-25.90) | 0.568 |
| Orthopedic | 11 (3%) | 1 (1.1%) | 23 (1.2%) | | 5 (1.1%) | 2.42 (1.17-5.01) | | 1.00 (0.12-8.675) | 0.436 |
| Orthopedic-fracture | 4 (1.1%) | 0 | 9 (0.5%) | | 2 (0.5%) | 2.22 (0.68-7.26) | | 0.83 (0.80-0.87) | 0.359 |
| Psychiatric | 46 (12.4%) | 7 (8%) | 46 (2.5%) | | 7 (1.6%) | 5.54 (3.62-8.47) | | 5.35 (1.83-15.65) | 0.953 |
| Renal | 1 (0.3%) | 0 | 13 (0.7%) | | 1 (0.2%) | 0.38 (0.05-2.92) | | 0.83 (0.80-0.87) | 0.783 |
| Respiratory | 32 (8.6%) | 6 (6.8%) | 125 (6.8%) | | 13 (3%) | 1.30(0.87-1.95) | | 2.40 (0.898-6.51) | 0.257 |
| Urological | 16 (4.3%) | 0 | 60 (3.3%) | | 0 | 1.34 (0.76-2.36) | | - | - |

The differences in diagnoses between children with and without ASD were evaluated via Pearson's Chi-square or Fisher exact tests. Statistically significant differences (p<0.05) are highlighted in bold font.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ASD  N=459 | | w/o ASD  N=2285 | | OR (95% CI) | | Breslow-Day test of OR homogeneity  p-value |
|  | Bedouin  N=133 | Jewish  N=326 | Bedouin  N=133 | Jewish  N=326 | Bedouin | Jewish |
| Abdominal wall defect | 1 (0.8%) | 4 (1.2%) | 15 (2.3%) | 23 (1.4%) | 0.33 (0.04-2.51) | 0.86 (0.30-2.51) | 0.396 |
| Adenoid / Tonsils | 11 (8.3%) | 18 (5.5%) | 23 (3.5%) | 68 (4.2%) | 2.52 (1.20-5.30) | 1.33 (0.78-2.28) | 0.171 |
| Auricular diseases | 3 (2.3%) | 4 (1.2%) | 1 (0.2%) | 6 (0.4%) | 15.32 (1.58-148.46) | 3.34 (0.94-11.91) | 0.233 |
| Cardiovascular | 11 (8.3%) | 15 (4.6%) | 16 (2.4%) | 59 (3.6%) | 3.66 (1.66-8.07) | 1.28 (0.72-2.28) | **0.032** |
| Dermatological | 1 (0.8%) | 8 (2.5%) | 4 (0.6%) | 14 (0.9%) | 1.25 (0.14-11.29) | 2.89 (1.20-6.94) | 0.481 |
| Endocrinological | 14 (10.5%) | 32 (9.8%) | 37 (5.6%) | 123 (7.6%) | 2.00 (1.05-3.81) | 1.33 (0.88-1.99) | 0.291 |
| Gastrointestinal | 10 (7.5%) | 15 (4.6%) | 12 (1.8%) | 57 (3.5%) | 4.42 (1.87-10.50) | 1.32 (0.74-2.37) | **0.019** |
| Hematological | 11 (8.3%) | 8 (2.5%) | 41 (6.2%) | 39 (2.4%) | 1.37 (0.69-2.75) | 1.02 (0.47-2.20) | 0.574 |
| Neurological | 36 (27.1%) | 40 (12.3%) | 15 (2.3%) | 39 (2.4%) | 16.08 (8.49-30.47) | 5.67 (3.58-8.97) | **0.009** |
| Neuro-ophthalmological | 1 (0.8%) | 6 (1.8%) | 2 (0.3%) | 6 (0.4%) | 2.51 (0.23-27.90) | 5.04 (1.62-15.74) | 0.604 |
| Neuromuscular | 1 (0.8%) | 3 (0.9%) | 2 (0.3%) | 7 (0.4%) | 2.51 (0.23-27.90) | 2.14 (0.55-8.32) | 0.910 |
| Ophthalmological | 5 (3.8%) | 7 (2.1%) | 3 (0.5%) | 15 (0.9%) | 8.62 (2.03-36.52) | 2.35 (0.95-5.81) | 0.125 |
| Orthopedic | 4 (3%) | 8 (2.5%) | 9 (1.4%) | 19 (1.2%) | 2.26 (0.69-7.45) | 2.12 (0.92-4.895) | 0.931 |
| Orthopedic-fracture | 1 (0.8%) | 3 (0.9%) | 1 (0.2%) | 10 (0.6%) | 5.03 (0.31-80.93) | 1.50 (0.41-5.46) | 0.420 |
| Psychiatric | 27 (20.3%) | 26 (8.0%) | 9 (1.4%) | 44 (2.7%) | 18.57 (8.50-40.57) | 3.10 (1.88-5.12) | **<0.001** |
| Renal | 1 (0.8%) | 0 | 6 (0.9%) | 8 (0.5%) | 0.83 (0.10-6.97) | - | - |
| Respiratory | 10 (7.5%) | 28 (8.6%) | 23 (3.5%) | 115 (7.1%) | 2.27 (1.05-4.89) | 1.23 (0.90-1.90) | 0.169 |
| Urological | 8 (6%) | 8 (2.5%) | 16 (2.4%) | 44 (2.7%) | 2.60 (1.09-6.20) | 0.90 (0.42-1.93) | 0.067 |

**Table S6:** **Diagnoses given by the primary physician in the community clinic, based on anatomical/systemic classification stratified by ethnicity (Jewish/Bedouin).**

The differences in diagnoses between children with and without ASD were evaluated via Pearson's Chi-square or Fisher exact tests. Statistically significant differences (p<0.05) are highlighted in bold font.