



2020 MCAS MEASURE: CHILDHOOD IMMUNIZATION STATUS – COMBO 10 (CIS-10)

Measure Steward: National Committee for Quality Assurance (NCQA)

Gold Coast Health Plan's (GCHP) goal is to help its providers gain compliance with their annual Managed Care Accountability Set (MCAS) scores by providing guidance and resources. This tip sheet will provide the key components to the MCAS measure, "Childhood Immunization Status – Combo 10 (CIS-10)."

Measure Description: Children 2 years of age and under who completed their childhood immunizations before turning 2 in the measurement year. One dose of MMR, one dose of VZV, and one dose of Hep A must be given on or between the child's first and second birthday.

▶ 4 DtaP/DTP	▶ 4 PCV
▶ 3 IPV	▶ 3 Hep B
▶ 3 Hib	▶ 3 Rotavirus
▶ 2 Influenza	▶ 1 Hep A
▶ 1 MMR	▶ 1 VZV

This measure follows the immunization guidelines from the Centers for Disease Control and Prevention (CDC) and the Advisory Committee on Immunization Practices (ACIP). Any exclusions to this measure must have occurred by the child's second birthday.

Data Collection Method: Hybrid¹

Codes used to identify immunizations administered or evidence of disease.

Vaccine / Disease	ICD-10-CM*	ICD-10-PCS	CPT	HCPCS	CVX	SNOMED
Diphtheria, Tetanus, Pertussis (DTaP)			90698, 90700, 90721, 90723		20, 50, 106, 107, 110, 120	16290681000119103, 16298561000119108, 170395004, 170396003, 170397007, 170399005, 170400003, 170401004, 170402006, 310306005, 310307001, 310308006, 312870000, 313383003, 390846000, 390865008, 399014008, 412755006, 412756007, 412757003, 412762002, 412763007, 412764001, 414001002, 414259000, 414620004, 415507003, 415712004, 428251000124104, 571571000119105, 572561000119108, 770608009, 770616000, 770617009, 770618004
Haemophilus Influenzae Type B (HiB)			90644- 90648, 90698, 90721, 90748		17, 46-51, 120, 148	127787002, 170343007, 170344001, 170345000, 170346004, 310306005, 310307001, 310308006, 312869001, 312870000, 414001002, 414259000, 415507003, 415712004, 770608009, 770616000, 770617009, 770618004
Hepatitis A*	B15.0, B15.9		90633		31, 83, 85	105801000119103, 111879004, 16060001, 165997004, 170378007, 170379004, 170380001, 170381002, 170434002, 170435001, 170436000, 170437009, 18917003, 206373002, 243789007, 25102003, 278971009, 310875001, 312868009, 313188000, 313189008, 314177003, 314178008, 314179000, 394691002, 40468003, 412742005, 412743000, 424758008, 428030001, 43634002, 571511000119102, 79031007



Vaccine / Disease	ICD-10-CM*	ICD-10-PCS	CPT	HCPCS	CVX	SNOMED
Hepatitis B*	B16.0-B16.2, B16.9, B17.0, B18.0, B18.1, B19.10, B19.11, Z22.51	3E0234Z	90723, 90740, 90744, 90747, 90748	G0010	08, 44, 45, 51, 110	1116000, 111891008, 116802006, 13265006, 153091000119109, 165806002, 16584000, 170370000, 170371001, 170372008, 170373003, 170434002, 170435001, 170436000, 170437009, 186624004, 186626002, 186639003, 235864009, 235865005, 235869004, 235871004, 26206000, 271511000, 312868009, 313234004, 38662009, 396456003, 406117000, 424099008, 424340000, 442134007, 442374005, 446698005, 50167007, 53425008, 572561000119108, 60498001, 61977001, 66071002, 76795007, 770608009, 770616000, 770617009, 770618004
Influenza			90655, 90657, 90660, 90661, 90662, 90672, 90673, 90685- 90689	G0008	88, 111, 135, 140, 141, 149, 150, 153, 155, 158, 161	86198006
Inactivated Polio Vaccine (IPV)			90698, 90713, 90723		10, 89, 110, 120	396456003, 414001002, 414259000, 414619005, 414620004, 415507003, 415712004, 416144004, 416591003, 417211006, 417384007, 417615007
Measles*	B05.0-B05.4, B05.81, B05.89, B05.9		90705		05	105841000119101, 111873003, 14189004, 161419000, 170364006, 186561002, 186562009, 195900001, 240483006, 240484000, 28463004, 371111005, 38921001, 406592004, 47435007, 572481000119103, 60013002, 74918002
Measles, Mumps, Rubella (MMR)			90707, 90710		03, 94	150971000119104, 170433008, 38598009, 432636005, 433733003, 571591000119106, 572511000119105
Measles, Rubella			90708		04	
Mumps*	B26.0-B26.3, B26.81-B26.85, B26.89, B26.9		90704		07	105821000119107, 10665004, 111870000, 161420006, 17121006, 235123001, 236771002, 237443002, 240526004, 240527008, 240529006, 31524007
Pneumococcal Conjugate			90670	G0009	133, 152	434751000124102
Rotavirus			90680, 90681		116, 119, 122	434731000124109, 434741000124104



Vaccine / Disease	ICD-10-CM*	ICD-10-PCS	CPT	HCPCS	CVX	SNOMED
Rubella*	B06.00-B06.02, B06.09, B06.81, B06.82, B06.89, B06.9		90706		06	10082001, 10759761000119100, 1092361000119109, 111867004, 128191000, 13225007, 161421005, 165792000, 186567003, 186570004, 192689006, 19431000, 231985001, 232312000, 240485004, 253227001, 36653000, 406112006, 406113001, 51490003, 64190005, 79303006, 82314000, 84611003
Varicella Zoster (VZV)*	B01.0, B01.11, B01.12, B01.2, B01.81, B01.89, B01.9, B02.0, B02.1, B02.21-B02.24, B02.29-B02.34, B02.39, B02.7-B02.9		90710, 90716		21, 94	10698009, 111859007, 111861003, 12551000132107, 12561000132105, 12571000132104, 15678761000119105, 15678801000119102, 15680201000119106, 15680241000119108, 15685081000119102, 15685121000119100, 15936581000119108, 15936621000119108, 161423008, 186524006, 186525007, 195911009, 21954000, 230176008, 230198004, 230262004, 230536009, 232400003, 235059009, 23737006, 240468001, 240470005, 240471009, 240472002, 240473007, 240474001, 24059009, 309465005, 331071000119101, 36292003, 371113008, 38907003, 397573005, 400020001, 402897003, 402898008, 402899000, 410500004, 410509003, 421029004, 422127002, 422446008, 422471006, 422666006, 423333008, 423628002, 424353002, 424435009, 42448002, 424801004, 424941009, 425356002, 425897001, 426570007, 428502009, 428633000, 473164004, 4740000, 49183009, 55560002, 571611000119101, 681221000119108, 713250002, 713733003, 713964006, 715223009, 723109003, 87513003

* History of disease before the child's second birthday meets criteria for evidence of antigen, vaccine, or history of illness.

Exclusionary Criteria:

Children who had any of the following diagnoses and/or contraindications(s) to a vaccine before their second birthday can be excluded from the CIS measure, unless the administrative data indicates the immunizations were entirely administered. Click [here](#) for a complete list of the exclusionary codes.

The Medical Record Must Include:

- ▶ A note indicating the name of the specific antigen and the date of the immunization; or
- ▶ A certificate of immunization prepared by an authorized health care provider or agency that includes specific dates and types of immunizations administered.



Best Practices:

- ▶ Ensure that staff has current accounts with your local immunization registry.
- ▶ Check the registry prior to administering any vaccines to ensure that the child has not already been immunized.
- ▶ Keep clinical staff up-to-date with current immunization recommendations.
- ▶ Use alerts in the EMR system for outreach to members who are due for preventive services.
- ▶ Maintain and protect your vaccine supply.
- ▶ Document all seropositive test results and illnesses of chicken pox, measles, mumps, and rubella with a note indicating the date of the event – all of which occur by the child's second birthday.
- ▶ The American Academy of Pediatrics (AAP) recommends health care professionals review vaccination and health status at every encounter to determine if vaccines are needed.
- ▶ Ensure your documentation is clear and concise.
- ▶ Use proper coding.

¹ Measures reported using the *hybrid* data collection method report on a sample of the eligible population (usually 411) and use both administrative and medical record data sources to evaluate if services were performed.