

## Home Uterine Activity Monitoring

Last Review Date: April 11, 2025

Number: MG.MM.ME.32cC4

### Medical Guideline Disclaimer

Property of EmblemHealth. All rights reserved. The treating physician or primary care provider must submit to EmblemHealth the clinical evidence that the patient meets the criteria for the treatment or surgical procedure. Without this documentation and information, EmblemHealth will not be able to properly review the request for prior authorization. The clinical review criteria expressed below reflects how EmblemHealth determines whether certain services or supplies are medically necessary. EmblemHealth established the clinical review criteria based upon a review of currently available clinical information (including clinical outcome studies in the peer-reviewed published medical literature, regulatory status of the technology, evidence-based guidelines of public health and health research agencies, evidence-based guidelines and positions of leading national health professional organizations, views of physicians practicing in relevant clinical areas, and other relevant factors). EmblemHealth expressly reserves the right to revise these conclusions as clinical information changes, and welcomes further relevant information. Each benefit program defines which services are covered. The conclusion that a particular service or supply is medically necessary does not constitute a representation or warranty that this service or supply is covered and/or paid for by EmblemHealth, as some programs exclude coverage for services or supplies that EmblemHealth considers medically necessary. If there is a discrepancy between this guideline and a member's benefits program, the benefits program will govern. In addition, coverage may be mandated by applicable legal requirements of a state, the Federal Government or the Centers for Medicare & Medicaid Services (CMS) for Medicare and Medicaid members. All coding and web site links are accurate at time of publication. EmblemHealth Services Company LLC, ("EmblemHealth") has adopted the herein policy in providing management, administrative and other services to HIP Health Plan of New York, HIP Insurance Company of New York, Group Health Incorporated and GHI HMO Select, related to health benefit plans offered by these entities. All of the aforementioned entities are affiliated companies under common control of EmblemHealth Inc.

### Definitions

**Preterm labor (PTL) (also referred to as premature labor)** — labor onset from after 20 weeks gestation to less than 37.

Preterm labor risks include but are not limited to the following:

1. Previous preterm birth
2. Multiple gestation pregnancy (twins, triplets or more)
3. Presence of cervical or uterine abnormalities
4. Past history of preterm labor or preterm labor during current pregnancy.
5. Problems with the uterus, cervix or placenta.
6. Smoking cigarettes, drinking alcohol or using illicit drugs
7. Some infections, particularly of the amniotic fluid and lower genital tract
8. Some chronic conditions, such as high blood pressure and diabetes
9. Being underweight or obese before pregnancy
10. Stressful life events, such as the death of a loved one or domestic violence
11. Multiple miscarriages or abortions
12. Presence of bacterial vaginosis, trichomoniasis, or sexually transmitted infections
13. In vitro fertilization pregnancy
14. Short interpregnancy interval < 6 months

**Preterm birth** — birth prior to 37 weeks gestation.

**Home uterine activity monitor (HUAM)** — an electronic system consisting of a tocotransducer, recorder, modem and a data receive/process/display computer/monitor, which measures and then transmits uterine contraction data to a remote location for the purpose of PTL-detection.

## Guideline

Members receiving high risk prenatal care who have been evaluated by a perinatologist are eligible for HUAM coverage when any of the following criteria are met:

1. History or current PTL with documented cervical changes (dilation or effacement)
2. Multiple gestation pregnancy ( $\geq 2$ ) (Note: Covered for twins during COVID emergency)
3. Contractions not self-detectable secondary to physiologic condition (ie, neuromuscular, paralysis, etc)
4. Women with a positive fetal fibronectin test, gestational age is 20 weeks or greater and less than 36 weeks, and progressive cervical changes (with cervical length less than 2.5 cm documented by vaginal probe ultrasound) despite treatment with multiple tocolytics
5. Presence of risk factors that increase risk of preterm birth: placenta previa with hemorrhage; history of classical caesarean section or deep myomectomy with contractions/cervical change in index pregnancy, such that woman is not able to safely tolerate contractions
6. Incompetent cervix (as documented by need for cerclage or signs of cervical incompetence (funneling on valsalva, silent shortening)

## Revision History

Apr. 28, 2020	Added that EmblemHealth considers home uterine activity monitoring (HUAM) for twin gestation, or as otherwise prescribed, to be medically necessary throughout the duration of the coronavirus 2019 (COVID-19) state of emergency. Added clarification language that more definitively communicates the definition of high risk pregnancies.
---------------	---

## Applicable Procedure Codes

99500	Home visit for prenatal monitoring and assessment to include fetal heart rate, non-stress test, uterine monitoring, and gestational diabetes monitoring
S9001	Home uterine monitor with or without associated nursing services

## Applicable ICD-10 Diagnosis Codes

O09.211	Supervision of pregnancy with history of pre-term labor, first trimester
O09.212	Supervision of pregnancy with history of pre-term labor, second trimester
O09.213	Supervision of pregnancy with history of pre-term labor, third trimester
O09.219	Supervision of pregnancy with history of pre-term labor, unspecified trimester
O26.872	Cervical shortening, second trimester
O26.873	Cervical shortening, third trimester
O26.879	Cervical shortening, unspecified trimester
O30.101	Triplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, first trimester
O30.102	Triplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, second trimester
O30.103	Triplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, third trimester
O30.109	Triplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, unspecified trimester
O30.111	Triplet pregnancy with two or more monochorionic fetuses, first trimester
O30.112	Triplet pregnancy with two or more monochorionic fetuses, second trimester

030.113	Triplet pregnancy with two or more monochorionic fetuses, third trimester
030.119	Triplet pregnancy with two or more monochorionic fetuses, unspecified trimester
030.121	Triplet pregnancy with two or more monoamniotic fetuses, first trimester
030.122	Triplet pregnancy with two or more monoamniotic fetuses, second trimester
030.123	Triplet pregnancy with two or more monoamniotic fetuses, third trimester
030.129	Triplet pregnancy with two or more monoamniotic fetuses, unspecified trimester
030.131	Triplet pregnancy, trichorionic/triamniotic, first trimester
030.132	Triplet pregnancy, trichorionic/triamniotic, second trimester
030.133	Triplet pregnancy, trichorionic/triamniotic, third trimester
030.139	Triplet pregnancy, trichorionic/triamniotic, unspecified trimester
030.191	Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, first trimester
030.192	Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, second trimester
030.193	Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, third trimester
030.199	Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, unspecified trimester
030.201	Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, first trimester
030.202	Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, second trimester
030.203	Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, third trimester
030.209	Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, unspecified trimester
030.211	Quadruplet pregnancy with two or more monochorionic fetuses, first trimester
030.212	Quadruplet pregnancy with two or more monochorionic fetuses, second trimester
030.213	Quadruplet pregnancy with two or more monochorionic fetuses, third trimester
030.219	Quadruplet pregnancy with two or more monochorionic fetuses, unspecified trimester
030.221	Quadruplet pregnancy with two or more monoamniotic fetuses, first trimester
030.222	Quadruplet pregnancy with two or more monoamniotic fetuses, second trimester
030.223	Quadruplet pregnancy with two or more monoamniotic fetuses, third trimester
030.229	Quadruplet pregnancy with two or more monoamniotic fetuses, unspecified trimester
030.231	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, first trimester
030.232	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, second trimester
030.233	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, third trimester
030.239	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, unspecified trimester
030.291	Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, first trimester
030.292	Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, second trimester
030.293	Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, third trimester
030.299	Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, unspecified trimester
030.801	Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, first trimester
030.802	Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, second trimester

030.803	Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, third trimester
030.809	Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, unspecified trimester
030.811	Other specified multiple gestation with two or more monochorionic fetuses, first trimester
030.812	Other specified multiple gestation with two or more monochorionic fetuses, second trimester
030.813	Other specified multiple gestation with two or more monochorionic fetuses, third trimester
030.819	Other specified multiple gestation with two or more monochorionic fetuses, unspecified trimester
030.821	Other specified multiple gestation with two or more monoamniotic fetuses, first trimester
030.822	Other specified multiple gestation with two or more monoamniotic fetuses, second trimester
030.823	Other specified multiple gestation with two or more monoamniotic fetuses, third trimester
030.829	Other specified multiple gestation with two or more monoamniotic fetuses, unspecified trimester
030.831	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, first trimester
030.832	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, second trimester
030.833	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, third trimester
030.839	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, unspecified trimester
030.891	Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, first trimester
030.892	Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, second trimester
030.893	Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, third trimester
030.899	Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, unspecified trimester
030.90	Multiple gestation, unspecified, unspecified trimester
030.91	Multiple gestation, unspecified, first trimester
030.92	Multiple gestation, unspecified, second trimester
030.93	Multiple gestation, unspecified, third trimester
031.10x0	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, not applicable or unspecified
031.10x1	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 1
031.10x2	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 2
031.10x3	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 3
031.10x4	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 4
031.10x5	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 5
031.10x9	Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, other fetus
031.11x0	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, not applicable or unspecified
031.11x1	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, fetus 1

O31.11x2	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, fetus 2
O31.11x3	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, fetus 3
O31.11x4	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, fetus 4
O31.11x5	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, fetus 5
O31.11x9	Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, other fetus
O31.12x0	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, not applicable or unspecified
O31.12x1	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, fetus 1
O31.12x2	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, fetus 2
O31.12x3	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, fetus 3
O31.12x4	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, fetus 4
O31.12x5	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, fetus 5
O31.12x9	Continuing pregnancy after spontaneous abortion of one fetus or more, second trimester, other fetus
O31.13x0	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, not applicable or unspecified
O31.13x1	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, fetus 1
O31.13x2	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, fetus 2
O31.13x3	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, fetus 3
O31.13x4	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, fetus 4
O31.13x5	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, fetus 5
O31.13x9	Continuing pregnancy after spontaneous abortion of one fetus or more, third trimester, other fetus
O31.20x0	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, not applicable or unspecified
O31.20x1	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, fetus 1
O31.20x2	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, fetus 2
O31.20x3	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, fetus 3
O31.20x4	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, fetus 4
O31.20x5	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, fetus 5
O31.20x9	Continuing pregnancy after intrauterine death of one fetus or more, unspecified trimester, other fetus
O31.21x0	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, not applicable or unspecified
O31.21x1	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, fetus 1
O31.21x2	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, fetus 2
O31.21x3	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, fetus 3
O31.21x4	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, fetus 4
O31.21x5	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, fetus 5
O31.21x9	Continuing pregnancy after intrauterine death of one fetus or more, first trimester, other fetus
O31.22x0	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, not applicable or unspecified
O31.22x1	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, fetus 1
O31.22x2	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, fetus 2
O31.22x3	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, fetus 3

O31.22x4	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, fetus 4
O31.22x5	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, fetus 5
O31.22x9	Continuing pregnancy after intrauterine death of one fetus or more, second trimester, other fetus
O31.23x0	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, not applicable or unspecified
O31.23x1	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, fetus 1
O31.23x2	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, fetus 2
O31.23x3	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, fetus 3
O31.23x4	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, fetus 4
O31.23x5	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, fetus 5
O31.23x9	Continuing pregnancy after intrauterine death of one fetus or more, third trimester, other fetus
O31.8X10	Other complications specific to multiple gestation, first trimester, not applicable or unspecified
O31.8X11	Other complications specific to multiple gestation, first trimester, fetus 1
O31.8X12	Other complications specific to multiple gestation, first trimester, fetus 2
O31.8X13	Other complications specific to multiple gestation, first trimester, fetus 3
O31.8X14	Other complications specific to multiple gestation, first trimester, fetus 4
O31.8X15	Other complications specific to multiple gestation, first trimester, fetus 5
O31.8X19	Other complications specific to multiple gestation, first trimester, other fetus
O31.8X20	Other complications specific to multiple gestation, second trimester, not applicable or unspecified
O31.8X21	Other complications specific to multiple gestation, second trimester, fetus 1
O31.8X22	Other complications specific to multiple gestation, second trimester, fetus 2
O31.8X23	Other complications specific to multiple gestation, second trimester, fetus 3
O31.8X24	Other complications specific to multiple gestation, second trimester, fetus 4
O31.8X25	Other complications specific to multiple gestation, second trimester, fetus 5
O31.8X29	Other complications specific to multiple gestation, second trimester, other fetus
O31.8X30	Other complications specific to multiple gestation, third trimester, not applicable or unspecified
O31.8X31	Other complications specific to multiple gestation, third trimester, fetus 1
O31.8X32	Other complications specific to multiple gestation, third trimester, fetus 2
O31.8X33	Other complications specific to multiple gestation, third trimester, fetus 3
O31.8X34	Other complications specific to multiple gestation, third trimester, fetus 4
O31.8X35	Other complications specific to multiple gestation, third trimester, fetus 5
O31.8X39	Other complications specific to multiple gestation, third trimester, other fetus
O31.8X90	Other complications specific to multiple gestation, unspecified trimester, not applicable or unspecified
O31.8X91	Other complications specific to multiple gestation, unspecified trimester, fetus 1
O31.8X92	Other complications specific to multiple gestation, unspecified trimester, fetus 2
O31.8X93	Other complications specific to multiple gestation, unspecified trimester, fetus 3
O31.8X94	Other complications specific to multiple gestation, unspecified trimester, fetus 4
O31.8X95	Other complications specific to multiple gestation, unspecified trimester, fetus 5
O31.8X99	Other complications specific to multiple gestation, unspecified trimester, other fetus

O32.9xx0	Maternal care for malpresentation of fetus, unspecified, not applicable or unspecified
O34.30	Maternal care for cervical incompetence, unspecified trimester
O34.31	Maternal care for cervical incompetence, first trimester
O34.32	Maternal care for cervical incompetence, second trimester
O34.33	Maternal care for cervical incompetence, third trimester
O60.00	Preterm labor without delivery, unspecified trimester
O60.02	Preterm labor without delivery, second trimester
O60.03	Preterm labor without delivery, third trimester
Z87.51	Personal history of pre-term labor

## References

American College of Obstetrician Gynecologists. Practice Bulletin 31. Assessment of Risk Factors for Preterm Birth. October 2001.

American College of Obstetrician Gynecologists. Practice Bulletin 171. Management of Preterm Labor. October 2016.

Food and Drug Administration. Home Uterine Activity Monitors: Final Class II Special Controls Guidance for Industries and Reviewers. March 2001. <https://www.fda.gov/medical-devices/guidance-documents-medical-devices-and-radiation-emitting-products/home-uterine-activity-monitors-final-class-ii-special-controls-guidance-industry-and-fda-reviewers>. Accessed April 21, 2025.

Mayo Clinic. Preterm Labor. <https://www.mayoclinic.org/diseases-conditions/preterm-labor/symptoms-causes/syc-20376842> . Accessed April 21, 2025.

Mayo Foundation for Medical Education and Research. Premature Birth. 2022. <https://www.mayoclinic.org/diseases-conditions/premature-birth/symptoms-causes/syc-20376730>. Accessed April 21, 2025.

Specialty-matched clinical peer review.