

## Home Uterine Activity Monitoring

Last Review Date: April 8, 2022

Number: MG.MM.ME.32cC

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**Note: 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.**

### 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 (≥ 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**

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|---------------|---|
| 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.<br><br>Added clarification language that more definitively communicates the definition of high risk pregnancies. |
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**Applicable Procedure Codes**

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| 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**

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| 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 |

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| 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  |
| O30.113 | Triplet pregnancy with two or more monochorionic fetuses, third trimester   |
| O30.119 | Triplet pregnancy with two or more monochorionic fetuses, unspecified trimester                                     |
| O30.121 | Triplet pregnancy with two or more monoamniotic fetuses, first trimester  |
| O30.122 | Triplet pregnancy with two or more monoamniotic fetuses, second trimester   |
| O30.123 | Triplet pregnancy with two or more monoamniotic fetuses, third trimester  |
| O30.129 | Triplet pregnancy with two or more monoamniotic fetuses, unspecified trimester                                      |
| O30.131 | Triplet pregnancy, trichorionic/triamniotic, first trimester  |
| O30.132 | Triplet pregnancy, trichorionic/triamniotic, second trimester   |
| O30.133 | Triplet pregnancy, trichorionic/triamniotic, third trimester  |
| O30.139 | Triplet pregnancy, trichorionic/triamniotic, unspecified trimester  |
| O30.191 | Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, first trimester              |
| O30.192 | Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, second trimester             |
| O30.193 | Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, third trimester              |
| O30.199 | Triplet pregnancy, unable to determine number of placenta and number of amniotic sacs, unspecified trimester        |
| O30.201 | Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, first trimester       |
| O30.202 | Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, second trimester      |
| O30.203 | Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, third trimester       |
| O30.209 | Quadruplet pregnancy, unspecified number of placenta and unspecified number of amniotic sacs, unspecified trimester |
| O30.211 | Quadruplet pregnancy with two or more monochorionic fetuses, first trimester  |
| O30.212 | Quadruplet pregnancy with two or more monochorionic fetuses, second trimester                                       |
| O30.213 | Quadruplet pregnancy with two or more monochorionic fetuses, third trimester  |
| O30.219 | Quadruplet pregnancy with two or more monochorionic fetuses, unspecified trimester                                  |
| O30.221 | Quadruplet pregnancy with two or more monoamniotic fetuses, first trimester   |
| O30.222 | Quadruplet pregnancy with two or more monoamniotic fetuses, second trimester  |
| O30.223 | Quadruplet pregnancy with two or more monoamniotic fetuses, third trimester   |
| O30.229 | Quadruplet pregnancy with two or more monoamniotic fetuses, unspecified trimester                                   |
| O30.231 | Quadruplet pregnancy, quadrachorionic/quadra-amniotic, first trimester  |
| O30.232 | Quadruplet pregnancy, quadrachorionic/quadra-amniotic, second trimester   |
| O30.233 | Quadruplet pregnancy, quadrachorionic/quadra-amniotic, third trimester  |
| O30.239 | Quadruplet pregnancy, quadrachorionic/quadra-amniotic, unspecified trimester  |
| O30.291 | Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, first trimester           |
| O30.292 | Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, second trimester          |

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| O30.293  | Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, third trimester                         |
| O30.299  | Quadruplet pregnancy, unable to determine number of placenta and number of amniotic sacs, unspecified trimester                   |
| O30.801  | Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, first trimester       |
| O30.802  | Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, second trimester      |
| O30.803  | Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, third trimester       |
| O30.809  | Other specified multiple gestation, unspecified number of placenta and unspecified number of amniotic sacs, unspecified trimester |
| O30.811  | Other specified multiple gestation with two or more monochorionic fetuses, first trimester  |
| O30.812  | Other specified multiple gestation with two or more monochorionic fetuses, second trimester                                       |
| O30.813  | Other specified multiple gestation with two or more monochorionic fetuses, third trimester  |
| O30.819  | Other specified multiple gestation with two or more monochorionic fetuses, unspecified trimester                                  |
| O30.821  | Other specified multiple gestation with two or more monoamniotic fetuses, first trimester   |
| O30.822  | Other specified multiple gestation with two or more monoamniotic fetuses, second trimester  |
| O30.823  | Other specified multiple gestation with two or more monoamniotic fetuses, third trimester   |
| O30.829  | Other specified multiple gestation with two or more monoamniotic fetuses, unspecified trimester                                   |
| O30.831  | Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, first trimester       |
| O30.832  | Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, second trimester      |
| O30.833  | Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, third trimester       |
| O30.839  | Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, unspecified trimester |
| O30.891  | Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, first trimester           |
| O30.892  | Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, second trimester          |
| O30.893  | Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, third trimester           |
| O30.899  | Other specified multiple gestation, unable to determine number of placenta and number of amniotic sacs, unspecified trimester     |
| O30.90   | Multiple gestation, unspecified, unspecified trimester  |
| O30.91   | Multiple gestation, unspecified, first trimester  |
| O30.92   | Multiple gestation, unspecified, second trimester   |
| O30.93   | Multiple gestation, unspecified, third trimester  |
| O31.10x0 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, not applicable or unspecified        |
| O31.10x1 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 1                              |

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| O31.10x2 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 2                     |
| O31.10x3 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 3                     |
| O31.10x4 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 4                     |
| O31.10x5 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, fetus 5                     |
| O31.10x9 | Continuing pregnancy after spontaneous abortion of one fetus or more, unspecified trimester, other fetus                 |
| O31.11x0 | Continuing pregnancy after spontaneous abortion of one fetus or more, first trimester, not applicable or unspecified     |
| O31.11x1 | 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       |

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| 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  |

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| 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   |

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