

Infertility Services — Commercial

Last Review Date: June 11, 2021

Number: MG.MM.ME.53f

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Related Medical Guidelines

[Recurrent Pregnancy Loss](#)

Definitions

Infertility	"Infertility" is a disease or condition characterized by the incapacity to impregnate another person or to conceive, defined by the failure to establish a clinical pregnancy after twelve (12) months of regular, unprotected sexual intercourse or therapeutic donor insemination, or after six (6) months of regular, unprotected sexual intercourse or therapeutic donor insemination for a female thirty-five (35) years of age or older. Earlier evaluation and treatment may be warranted based on a member's medical history or physical findings (See also NYS Mandate Section)
Iatrogenic infertility	An impairment of fertility by surgery, radiation, chemotherapy or other medical treatment affecting reproductive organs or processes. Note: EmblemHealth covers standard fertility preservation services when a medical treatment will directly or indirectly lead to iatrogenic infertility. Standard fertility preservation services include the collecting, preserving, and storing of ova and sperm.
IUI	Intrauterine insemination (IUI) is a fertility treatment in which a fine catheter is inserted through the cervix into the uterus to deposit a sperm sample directly into the uterus.
IVF	In Vitro Fertilization (IVF) is an assisted reproductive technology (ART). IVF is the process of fertilization by extracting eggs, retrieving a sperm sample, and then manually combining an egg and sperm in a laboratory dish. The embryo(s) is then transferred to the uterus.
Cycle	A "cycle" is defined as either all treatment that starts when preparatory medications are administered for ovarian stimulation for oocyte retrieval with the intent of undergoing in-vitro fertilization using a fresh embryo transfer; or medications are administered for endometrial preparation with the intent of undergoing in-vitro fertilization using a frozen embryo transfer.

Covered Services

<p>Basic infertility services:</p> <ul style="list-style-type: none">▪ Initial evaluation▪ Semen analysis▪ Laboratory evaluation▪ Evaluation of ovulatory function▪ Postcoital test▪ Endometrial biopsy▪ Pelvic ultra sound▪ Hysterosalpingogram▪ Sono-hystogram▪ Testis biopsy▪ Blood tests; and▪ Medically appropriate treatment of ovulatory dysfunction <p>Note: Additional tests may be Covered if the tests are determined to be Medically Necessary</p>	<p>Comprehensive infertility services:</p> <ul style="list-style-type: none">▪ Ovulation induction and monitoring▪ Pelvic ultra sound▪ Artificial insemination▪ Hysteroscopy▪ Laparoscopy▪ Laparotomy <p>Advanced infertility services:</p> <ul style="list-style-type: none">▪ Three (3) cycles per lifetime of in vitro fertilization▪ Sperm storage costs in connection with in vitro fertilization▪ Cryopreservation and storage of embryos in connection with in vitro fertilization▪ Coverage for storage ends when 3 IVF cycles have been exhausted
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New York State Mandate*

- A. Every large group contract that provides medical, major medical or similar comprehensive-type coverage shall provide coverage for three cycles of in-vitro fertilization (IVF) used in the treatment of infertility
- B. Unlimited intrauterine insemination (IUI) for members who meet the clinical definition of infertility (Note: Clinical evidence suggests that greater than 6 IUI cycles is unlikely to yield positive results)
- C. Coverage for prescription drugs is limited to medications approved by the federal Food and Drug Administration for use in the diagnosis and treatment of infertility
- D. The identification of the required training, experience and other standards for health care providers for the provision of procedures and treatments for the diagnosis and treatment of infertility determined in accordance with the standards and guidelines established and adopted by the American College of Obstetricians and Gynecologists and the American Society for Reproductive Medicine
- E. The determination of appropriate medical candidates by the treating physician in accordance with the standards and guidelines established and adopted by the American College of Obstetricians and Gynecologists and/or the American Society for Reproductive Medicine

*Note: Per New York Insurance Circular Letter #3, EmblemHealth covers infertility treatments (e.g., intrauterine insemination procedures) that are provided to individuals covered under an insurance policy or contract who are unable to conceive due to their sexual orientation or gender identity. Medical necessity criteria must be met for services to be authorized.

Guideline

Section 1: General Indications for Initial and Continuation of Infertility Treatment Coverage

The below general infertility criteria are to be met for consideration of treatment:

- Prognosis for conception must be $\geq 5\%$; AND
- No evidence of significant diminished ovarian reserve. Markers of significant diminished ovarian reserve include but are not limited to (one or more of the following within the previous 6 months):
 - FSH level ≥ 15 mIU/ml if ≥ 40 years of age; **OR**
 - FSH level ≥ 20 mIU/ml if < 40 years of age; **OR**
 - AMH level < 0.3 ng/ml; **OR**
 - Antral follicle count (AFC) < 7 (ASRM); **AND**
- If there has been monitored, medicated-stimulated infertility treatment within the previous 6 months it must demonstrate adequate ovarian response to stimulation. Examples include but are not limited to:
 - 1 follicle ≥ 15 mm diameter for IUI
 - Minimum of 1 follicle ≥ 15 mm diameter for ART

The general infertility surgery criteria as listed below are to be met for consideration of treatment:

- Pelvic pain that is not responsive to medical management; **OR**
- Presence of a pelvic mass for which gynecologic diagnosis warrants surgical intervention; **OR**
- As an alternative treatment modality to the Assisted Reproductive Technologies (ART) particularly for individuals who are averse to pursuing ART for religious, social or financial concerns.

In the absence of other infertility factors or recurrence of disease additional infertility treatment is not indicated following infertility surgery for 12 months for individuals < 35 and 6 months for individuals ≥ 35 years of age.

Infertility treatment is warranted when an infertility factor has been identified. This would include but is not limited to:

- Two abnormal semen analyses (abnormal count and/or motility), ovulatory dysfunction; compromise of the fallopian tubes; documented untreated or recurrent endometriosis; sexual dysfunction; abnormalities of the cervix or uterus that may interfere with conception.

Poor Prognosis and Futility

Examples where continued treatment may be futile: (ASRM, 2006)

- Markedly elevated FSH levels
 - ≥ 20 for women < 40
 - ≥ 15 for women ≥ 40
 - FSH levels should be evaluated in the context of other markers of ovarian reserve, such as AMH, AFC and response to prior ovarian stimulation
 - In the absence of a history of prior ovarian stimulation, a cycle of ART may be considered, especially in women age < 35 .
- Lack of viable spermatozoa
- Ovarian failure where a couple is attempting conception with their own gametes

- Numerous ART cycles without adequate egg production, fertilization and/or embryo development

Section 2: Artificial Insemination (IUI)

A. Medical Necessity Criteria

IUI may be authorized when the definition of infertility is met (see [Definitions Section](#) and/or [NYS Mandate Section](#)) and there is documentation of the following:

1. Hysterosalpingography (hysterosalpingogram (HSG) or sonohysterosalpingogram) to screen for tubal occlusion; or
Hysteroscopy, salpingoscopy (falloscopy), hydrotubation where clinically indicated; or
Laparoscopy and chromotubation (contrast dye) to assess tubal and other pelvic pathology, and to follow-up on hysterosalpingography abnormalities, within the past 2 years confirming the presence of **both**:
 - At least one patent Fallopian tube
 - Normal endometrial cavity
2. Normal ovarian reserve testing (FSH Level)
3. **Any** of the following:
 - Unexplained infertility
 - Polycystic Ovary Syndrome (PCOS), anovulation, or oligoovulation
 - Minimal or mild endometriosis
 - Cervical factors
 - Mild to moderate male factor infertility
 - Use of stored sperm from male members who, subsequent to active infertility treatment, required sperm banking/storage as a result of medical treatment (e.g., cancer treatment) likely to cause infertility
4. If prior IUI, results must be submitted with each request and demonstrate **both**:
 - Adequate ovarian response to stimulation (i.e. at least 2 follicles > 12 mm diameter for any monitored IUI using standard medication doses)
 - Adequate fresh semen and post wash semen parameters in order to continue with IUI

B. Intra-uterine (IUI) Without Medication

Natural IUI, defined as IUI without medication, for a woman who has a diagnosis of infertility, may be covered when the member has documented acceptable ovarian reserve as defined above under [General Indications for Initial and Continuation of Infertility Treatment Coverage](#) AND the Member must meet one of the following:

- The woman has a history of one or more cervical surgical procedures or conization procedures that is considered a factor in the woman's infertility
- The woman has a diagnosis of vaginismus
- Use of therapeutic donor insemination

C. Intra-uterine (IUI) With Medication

Medicated IUI, defined as IUI with medication, for a woman who has a diagnosis of infertility may be covered when the member has documented acceptable ovarian reserve as defined above under [General Indications for Initial and Continuation of Infertility Treatment Coverage](#) AND the Member must meet one of the following:

- Unexplained infertility
- Mild–moderate male factor infertility (see [Male Infertility](#) section)
- Minimal or mild endometriosis
- Unilateral tubal factor infertility absent any compromise of the patent fallopian tube
- Polycystic Ovary Syndrome (PCOS), anovulation, or oligoovulation

D. Intrauterine insemination (IUI) is not indicated in any one of the following situations:

- >1 insemination per cycle
- Severe male factor infertility (< 1 million motile sperm after sperm preparation) (without use of donor sperm) (see [Male infertility](#) section)
- Bilateral tubal factor infertility
- Women \geq 40 years of age
- Moderate or severe endometriosis unless treatment has previously been rendered and there is documentation of at least one uncompromised fallopian tube
- Recurrent pregnancy loss
- In the setting of ART in **any** of the following situations:
 - To convert an ART cycle to IUI when at least 3 follicles \geq 15 mm in diameter are present (particularly in the setting of diminished ovarian reserve or on the 2nd or greater ART cycle when maximal dosage of gonadotropins is being used)
 - Following an ART cycle that fails to result in conception due to poor ovarian response or poor-quality oocytes or embryos
 - Following \geq 2 ART cycles that have failed to result in a conception despite good quality oocytes or embryos

E. IUI after IVF

- In the absence of an intervening live birth, subsequent IUI cycles are not authorized for members who have unsuccessfully undergone IVF for infertility treatment when further IVF cycles do not meet medical necessity criteria
- Women who have been denied or failed ART services are generally not appropriate candidates for IUI cycles (exceptions based upon an individual's medical history will be considered)
- IUI after IUI-to-IVF conversion for hyperstimulation may be authorized if the stimulation that was initially given is reduced
- IUI after IVF/ICSI/Preimplantation Genetic Testing (PGT) may be authorized for couples with a male genetic disorder who opt to use donor sperm after IVF/ICSI/PGT if the female member meets IUI criteria

F. Conversion from IUI to IVF/Hyperstimulation

Authorized when the current IUI cycle has resulted in **all**:

- Estradiol level of \geq 800 pg/ml
- Production of at least 5 follicles > 12 mm in diameter
- Age < 40
- Has benefit for IVF available

Section 3: Assisted Reproductive Technology (ART) (May not be covered for all plans)

(Note: It is the member's responsibility to obtain prior approval. Pre-service requests must also include a completed [Statement of Medical Necessity for ART — Appendix](#))

Coverage for IVF services is limited to a benefit maximum of 3 cycles in the State of New York. EmblemHealth does not deny coverage for medically necessary IVF services for any member who foregoes an infertility treatment or procedure if her physician determines that such treatment or procedure is likely to be unsuccessful.

A. Medical Necessity Criteria

IVF services are authorized when the relevant infertility eligibility criteria are met and there is documentation confirming **any** of the following:

- Unexplained infertility
- Diminished ovarian reserve (not due to age)
- Ovulatory dysfunction
 - When ovulation induction has not resulted in conception
 - Poor response to ovulation induction
 - Hyper-response to ovulation induction; hyper-response can convert to IVF
- History of failed medicated IUI cycles when IUI criteria (above) have been met (results of prior IUI cycles must be submitted with each IVF request [initial and subsequent requests]) (Note: 3 IUIs before IVF [unless medically indicated to go straight to IVF])
- Female member with bilateral Fallopian tube absence (excluding prior elective sterilization) or bilateral Fallopian tube obstruction due to prior tubal disease with history of failed conventional therapy
- Female member with severe endometriosis and history of failed medical and surgical therapy
- Male member with severe male factor infertility has been evaluated by a urologist who confirms condition cannot be improved by standard conservative treatment(s) and cannot be addressed via IUI

B. IVF Protocol

Members must meet above medical necessity criteria

- For members < 35 years of age
 - 1st IVF treatment cycle: SET (single embryo transfer) is required
 - If there are no top-quality embryos after thawing, then two or more embryos of any quality may be transferred
 - 2nd and subsequent IVF treatment cycles:
 - SET (single thawed elective embryo transfer; aka, SET/FET- SINGLE EMBRYO TRANSFER- FROZEN EMBRYO TRANSFER) is required if member has one or more embryos frozen
 - If there are no top-quality embryos after thawing, then two embryos of any quality may be transferred
 - Fresh IVF cycle with SET if no frozen embryos available
 - If there are no top-quality embryos after thawing, then two embryos of any quality may be transferred
 - For all treatment cycles, all normal frozen embryos must be used before another fresh cycle may be approved
- For members 35–38 years of age
 - 1st IVF treatment cycle: SET is required

- If no top-quality embryo is available, then two embryos of any quality may be transferred
- 2nd and subsequent IVF treatment cycles do not need to be SET
- For all treatment cycles, all normal frozen embryos must be used before another fresh cycle may be approved
- For members < 38 years of age and had successful IVF treatment cycle (i.e. had a live birth from that IVF treatment)
 - 1st IVF treatment cycle:
 - SET is required if member has one or more embryos frozen
 - If there are no top-quality embryos after thawing, then two embryos of any quality may be transferred
 - Fresh IVF cycle with SET if no frozen embryos available
 - If only no top-quality embryo is available, then two embryos of any quality may be transferred
 - 2nd and subsequent IVF treatment cycles do not need to be SET
 - For all treatment cycles, all normal frozen embryos must be used before another fresh cycle may be approved
- Members 38 years of age and older undergoing IVF treatment do not need to attempt a SET, as their risk of multiple births is low
 - For all treatment cycles, all normal frozen embryos must be used before another fresh cycle may be approved

C. Frozen Embryo Transfers (FET)

Members seeking coverage for FET must meet the definition of infertility and expect fertility as a natural state.

- It is clinically appropriate and cost effective to utilize all appropriate frozen embryos for transfer prior to another fresh ART cycle (fresh oocyte retrievals are not indicated when frozen oocytes or embryos are available and appropriate for transfer)
- For members with frozen embryos created in an IVF cycle not initially approved by EmblemHealth, the following criteria must be met before embryo transfer may be approved:
 - Uterine cavity evaluation completed within the last year
 - Diagnosis of infertility from treating provider
 - Fertility is naturally expected for member

D. Embryo Banking

There is no evidence in the medical literature to support the practice of repeated ART cycles for the purpose of accumulating (banking) embryos for later use (egg retrievals without a fresh or frozen embryo transfer) with the exception of freeze all cycles for medical necessity.

E. Freeze-All Cycles

An ART cycle, when it is known at the initiation of a cycle that none of the resulting embryos will be transferred immediately and/or the intent is to cryopreserve all the embryos for future use, will be covered only if **one** of the following is met:

- Member has no prior history of sterilization, in the presence or absence of ongoing infertility care, when the member requires medical treatment that may render them sterile (Note: A letter of medical necessity from the treating physician is required [e.g., the member has been diagnosed with cancer and will be undergoing chemotherapy and/or radiation that will likely result in infertility])
- Member is approved by EmblemHealth for preimplantation genetic testing (PGT) with IVF
- Member is eligible for coverage of an IVF cycle based on the definitions and criteria outlined in this guideline and is privately paying for PGT (Note: IVF/PGT testing for gender selection is a benefit exclusion)
- The Member's progesterone concentration (P4) is < 1ng/mL at the time of administration of hCG trigger injection
- Management of Ovarian Hyperstimulation Syndrome (OHSS) or suspected OHSS.
- The first embryo transfer performed within 60 days of a freeze all cycle will be considered a continuation of the freeze-all cycle (both require authorization).

F. Assisted Hatching (AH)

Authorized as part of an IVF or Frozen Embryo Transfer (FET) procedure for women > age 38 when documentation confirms **either** of the following:

- Failed IVF cycles that produced 3 or more morphologically high-quality embryos, with failure to implant after embryo transfer
- Prior pregnancy resulting from IVF that required assisted hatching

Non-covered services include but are not limited to the following:

- Assisted hatching if PGT is done, as PGT process includes opening the zona (See [Preimplantation Genetic Testing](#) below)

G. ICSI — Intracytoplasmic Sperm Injection (ICSI)

Authorized (in conjunction with IVF) to treat sperm-related infertility problems in the male partner (see [Male Infertility](#) section) when the use of ICSI is expected (with a greater than 5% probability) to result in a live birth, and there is documentation of **any** of the following:

- Severe male factor infertility that cannot be overcome by IVF based on semen analysis reports performed within the last 3 months; **any**:
 - At least 2 unprocessed semen analyses show <10 million total motile sperm
 - At least 2 processed semen analyses show ≤3 million total motile sperm
 - At least 2 unprocessed semen analyses show ≤ 4% strict Kruger normal forms
- Reduced fertilization on a prior IVF cycle using non-donor sperm if the rate of fertilization on the prior cycle is less than 40% fertilization with the standard insemination of mature eggs
- Obstruction of the male reproductive tract unrelated to prior sterilization or sterilization reversal, and not amenable to repair (necessitating sperm retrieval via Microsurgical Epididymal Sperm Aspiration)

- Nonobstructive azoospermia (necessitating sperm retrieval via Testicular Sperm Extraction)

ICSI is not authorized for any IVF cycle involving use of donor sperm, or when PGT has not been authorized (See also [Preimplantation Genetic Testing](#) below)

ICSI is authorized when PGT is medically indicated

ICSI is covered on the day of IVF egg retrieval if the post processing semen (severe male factor infertility results above must be met) analysis of non-donor non-frozen sperm on that day meets the ICSI coverage criteria noted immediately above. Retrospective authorizations will be allowed

ICSI is also clinically indicated when fertilizing previously frozen oocytes. Exposure to cryoprotectants often lead to the hardening of the zona.

H. Preimplantation Genetic Testing

- Meets ART criteria above
- At least 1 of the following is present:
 - Both partners are known carriers of a single gene autosomal recessive disorder
 - One partner is known to have a balanced translocation
 - One partner has a single gene autosomal dominant disorder
 - One partner is a known carrier of an x-linked disorder
 - Testing is being conducted to determine the sex of an embryo, when there is a documented history of an x-linked disorder and decisions regarding management can be made on the basis of sex alone
- Must meet all of the following:
 - A specific mutation, or set of mutations, has been identified, that specifically identifies the genetic disorder with a high degree of reliability
 - The genetic disorder is associated with severe disability or has a lethal natural history
 - Testing is accompanied by genetic counseling

Limitations/Exclusions

- Based upon the EmblemHealth member documents, preimplantation genetic testing is only covered if performed in conjunction with pre-authorized Advanced Reproductive Technology
- Preimplantation genetic testing is not considered medically necessary for any of the following:
 - The selection of embryos with specific HLA typing to provide a match for a member in need of an allogenic transplant
 - The selection of embryos with the sole purpose of determining the gender of the resultant offspring.

I. Cryopreservation of Embryos

- For women in active (authorized) infertility treatment cryopreservation for any embryos remaining after an authorized IVF cycle
- Cryopreserved embryos must be used before additional (fresh) IVF cycles using the member's or a donor's eggs are authorized
- If member meets criteria for 2 embryo transfers and only one embryo is available, then a fresh IVF cycle may be authorized if benefit is available
- Requests for authorization of a Frozen Embryo Transfer (FET) cycle must meet Infertility criteria (above) at the time of the request for the FET

- Limitations — EmblemHealth will not cover the following:
 - Long-term sperm, oocyte or embryo storage outside of NYS Mandated coverage (Note: Per NYS Mandate storage is covered until benefits have been exhausted for IVF)
 - Sperm cryopreservation as a routine procedure for sperm backup in the absence of a confirmed physical or psychological diagnosis requiring cryopreservation
 - An ART cycle when it is known at the initiation of a cycle that none of the resulting embryos will be transferred during the same cycle, and/or the intent is to cryopreserve all of the embryos for future use, except as outlined above (see [Freeze-All Cycles Section E](#) above)

Section 4: IVF for Women without Male Partners or Exposure to Sperm*

- To demonstrate infertility as a disease/condition, documentation must confirm a female without a male partner or exposure to sperm has failed 6 consecutive medically managed IUI cycles using normal donor sperm (Note: Costs of donor sperm, and IUIs to demonstrate infertility, are not covered)
- The female must also meet Service-Specific Criteria for IVF including documentation of a history of failed medicated IUI cycles. (Note: Age-related embryo transfer requirements outlined in the Service specific criteria for IVF also apply)

* New York Insurance Circular Letter #3 supersedes this section, see [NYS Mandate Section](#)

Section 5: Donor Services

A. Donor Egg (Donor Oocyte)

Non-medical services related to donor egg/embryo or sperm procurement (e.g., finder fees, broker fees, legal fees, medications, donor screening, donor testing, and oocyte retrievals) are not covered

Use of Donor egg during infertility procedures is a covered benefit for women < 40 when infertility criteria are met and there is documentation of **any** of the following:

- Congenital or surgical absence of ovaries
- Premature ovarian failure or premature menopause in women under age 40 years
- Premature diminished ovarian reserve (i.e., FSH \geq 15 in women under age 40 years)
 - Inadequate ovarian response (i.e., fewer than 3 follicles >12 mm diameter), or inadequate embryo numbers and quality, during authorized IVF cycles within the prior 6 months
(Note: When donor egg criteria are met, a donor egg cycle is authorized for up to 6 months)
- A SET is required for members < 35 years of age for the first approved donor egg IVF treatment cycles with more than one top-quality embryo available for transfer
- If the donor egg procedure is not performed within 6 months, the member must be reevaluated and continue to meet EmblemHealth criteria for infertility services and donor egg procedures before additional services are authorized
For female members (embryo recipients) without EmblemHealth prescription drug coverage, coverage for the egg donor is limited to monitoring (up to egg retrieval), and the egg retrieval procedure
- Genetic abnormality (case-by-case review)

- Services after oocyte retrieval from donor such as fertilization and transfer are covered when authorized
- Limitations:
 - Infertility treatment when the infertile member is not the recipient of said services (e.g., donor egg in conjunction with gestational carrier)
 - Medications that are directly related to a stimulated ART cycle for anonymous or designated donors unless medication is for the member
 - After proceeding to a donor egg cycle, further IVF cycles using the member's eggs are not covered

B. Donor Sperm

Use of donor sperm of normal quality is authorized when documentation (by **any** of the following) confirms male factor infertility:

- Bilateral congenital absence of vas deferens (BCAVD)
- Non-obstructive Azoospermia confirmed through MESA/TESE results
- Previous radiation or chemotherapy treatment resulting in abnormal semen analyses
- Two or more abnormal semen analyses at least 30 days apart
- A high risk of transmitting the male partner's genetic disorder to the offspring
- HIV+ male partner

In order to receive coverage for infertility services, male members must meet **either** of the following criteria based on semen analysis reports performed within the last 3 months:

- At least 2 unprocessed/processed semen analyses show <10 million total motile sperm
- At least 2 unprocessed semen analyses show $\leq 2\%$ strict Kruger normal forms

Non-covered services include but are not limited to the following:

- Donor sperm without documented biological male factor infertility proven with 2 abnormal semen analyses with the same defect
- Donor sperm for biological males with genetic sperm defects
- For biological females without a biological male partner
- The cost of donor sperm, IUI, ART, and related services, if the male partner has a history of prior vasectomy with no subsequent successful vasectomy reversal procedure
- Cost of procurement of Donor Sperm

Section 6: Fertility Preservation

No infertility workup is required for coverage

Covered services for members undergoing gonadotoxic cancer treatments that is expected to render them permanently infertile (excluding voluntary sterilization) are as follows:

- Medically necessary egg retrievals are covered for fertility preservation
- Sperm collection

Non-covered services include but are not limited to the following:

- Cryopreservation of embryos or eggs for fertility preservation purposes other than chemotherapy or other treatments that may render an individual infertile
- Cryopreservation of embryos or eggs for reciprocal IVF
- Sperm storage/banking for males requesting this service for convenience or "back-up" for a fresh specimen

Section 7: Male Infertility

- A. Male Factor Infertility:
- Mild Male Factor: abnormalities in the semen analysis where the sperm concentration is ≥ 10 million/ml but < 15 million/ml and/or progressive motility is $\geq 30\%$ but $< 40\%$ or ≥ 5 million total motile sperm.
 - Moderate Male Factor: abnormalities in the semen analysis where the sperm concentration is ≥ 5 million/ml but < 10 million/ml and/or progressive motility is $\geq 25\%$ but $< 30\%$.
 - Severe Male Factor: abnormalities in the semen analysis where the sperm concentration is < 5 million/ml or sperm preparation techniques result in a sperm concentration of < 1 million motile sperm/ml.
 - Isolated teratospermia is considered a male factor when there is $< 2\%$ normal morphology on at least two semen analyses 1-4 weeks apart.
- B. Microepididymal Sperm Aspiration (MESA)
- Covered only for congenital absence or congenital obstruction of the vas deferens (typically diagnosed by the absence of fructose in semen) and confirmed by exam
- C. Microdissection — Testicular Excisional Sperm Extraction (TESE)
- Covered for non-obstructive azoospermia and spinal cord injury resulting in inability to ejaculate

Section 8: Limitations/Exclusions

Non-covered tests/procedures include but are not limited to the following:

- Infertility treatment if, based on the member's individual medical history, they have $< 5\%$ chance of a birth outcome
- ART/Infertility services for members when clinical documentation confirms an individual or couple are using illicit substances or abusing substances known to negatively interfere with fertility or fetal development (e.g. marijuana, opiates, cocaine, tobacco or alcohol)
- Infertility treatment when infertility is the result of a non-reversed or unsuccessful reversal of a voluntary sterilization
- Ovarian Reserve Assessment results (Clomiphene Citrate Challenge Test [CCCT])
- Selective fetal reduction without known disorders that are non-compatible with life
- Sperm DNA integrity/fragmentation tests [e.g., sperm chromatin structure assay (SCSA), single-cell gel electrophoresis assay (Comet), deoxynucleotidyl transferase-mediated dUTP nick end labeling assay (TUNEL), sperm chromatin dispersion (SCD) or Sperm DNA Decondensation™ Test (SDD)]
- Sperm wash without approved cycle
- Laboratory tests for cycle monitoring when IUI or IVF cycle has not been approved.
- Infertility treatment when medically contraindicated (e.g. uterine or tubal abnormalities)
- Gender selection
- Human zona binding assay (hemizona test)
- Serum anti-sperm antibody testing
- Sperm acrosome reaction test
- Co-culture of embryos
- Embryo toxic factor test (ETFL)
- Ovulation predictor kits

- Home Artificial Insemination Kits
- In vitro maturation of eggs
- Direct intraperitoneal insemination (DIPI)
- Peritoneal ovum and sperm transfer (POST)
- Genetic engineering
- Egg harvesting, or other infertility treatment performed during an operation not related to an infertility diagnosis
- Chromosome studies of a donor (sperm or egg)
- Infertility services in cases in which normal embryos have been or will be discarded because of gender selection
- ICSI for any IVF cycle involving use of donor sperm
- Treatments requested solely for the convenience, lifestyle, personal or religious preference of the member in the absence of medical necessity
- Treatment to reverse voluntary sterilization, i.e. MESA/TESE, for a member who has undergone prior sterilization
- Monitoring of non-authorized IUI cycles
- Reciprocal IVF
- Oocyte, ovarian or testicular tissue cryopreservation
- Gamete intrafallopian tube transfers (GIFT) or zygote intrafallopian tube transfers (ZIFT) (May be covered for some plans)
- Surrogacy (Note: Maternity service benefits may be available for members acting as surrogate mothers)
- All experimental/investigational procedures and treatments are not covered for the diagnosis and treatment of infertility as determined in accordance with the standards and guidelines established and adopted by the American College of Obstetricians and Gynecologists and the American Society for Reproductive Medicine

Revision History

June 11, 2021	<ol style="list-style-type: none"> 1. Retitled New York State Limitations section to New York State Mandate and added the following note: Per New York Insurance Circular Letter #3, EmblemHealth covers infertility treatments (e.g., intrauterine insemination procedures) that are provided to individuals covered under an insurance policy or contract who are unable to conceive due to their sexual orientation or gender identity. Medical necessity criteria must be met for services to be authorized. 2. Added re-direct link from infertility definition to New York State Mandate section 3. Changed “conservative” management to “medical” pertaining to pelvic pain in General Indications section 4. Corrected progesterone concentration (P4) to read < 1ng/mL in Freeze All section 5. Added to ICSI section that ICSI is authorized when PGT is medically indicated 6. Added to section for women without male partners or exposure to sperm that New York Insurance Circular Letter #3 supersedes this section and added re-direct link to NYS Mandate Section 7. Added clarification to Donor Egg section communicating that use of a donor egg during infertility procedures is a covered benefit for women < 40 8. Changed “chemotherapy” to “gonadotoxic” in Fertility Preservation section as a descriptive for treatment that is causal to infertility 9. Added clarification in Limitations/Exclusions, Ovulation “predictor” kits 10. Added Home Artificial Insemination Kits to Limitations/Exclusions
Dec. 11, 2020	<ol style="list-style-type: none"> 1. Changes to Section 1(General Indications for Initial and Continuation of Infertility Treatment Coverage): <ul style="list-style-type: none"> ▪ Age parameters changed from 35 to 40 years of age regarding ovarian reserve FSH levels ▪ Removed, “Treatment is not indicated in the setting of using autologous oocytes in females ≥ 44 years of age” 2. Removed all instances of “STEET” (single thawed elective embryo transfer) acronym throughout the policy and retained “SET” (single embryo transfer) 3. Clarified storage coverage per NYS Mandate throughout various sections of the policy; i.e.: <ul style="list-style-type: none"> ▪ Embryo storage ends when 3 IVF cycles have been exhausted ▪ Removed note previously communicating that embryo storage is covered only during an active cycle ▪ Clarified that long-term sperm, oocyte or embryo storage is not covered outside of the NYS Mandate (noting that per the mandate, storage is covered until benefits have been exhausted for IVF) ▪ Removed noncoverage language pertaining to cryopreservation and storage from Limitations/Exclusions
Sept. 1, 2020	<p>Added note to Section 3A bullet RE failed IUI cycles regarding 3 IUIs before IVF</p>
Aug. 14, 2020	<ol style="list-style-type: none"> 1. Added General Indications section that communicates ovarian reserve markers commensurate with age, poor prognosis factors and number of IUIs prior to IVF 2. Added sonohysterosalpingogram as a covered screening option for tubal occlusion 3. Enhanced male factor infertility definition (i.e., mild, moderate and severe factor parameters) 4. Clarified that the first embryo transfer performed within 60 days of a freeze all cycle will be considered a continuation of the freeze-all cycle 5. Clarified that ICSI is also clinically indicated when fertilizing previously frozen oocytes 6. Clarified that IUIs to demonstrate infertility are not covered for women without male partners or exposure to sperm 7. Noncovered additions to Limitations/Exclusions: <ul style="list-style-type: none"> ▪ Sperm DNA integrity/fragmentation tests [e.g., sperm chromatin structure assay (SCSA), single-cell gel electrophoresis assay (Comet), deoxynucleotidyl transferase-mediated dUTP nick end labeling assay (TUNEL), sperm chromatin dispersion (SCD) or Sperm DNA Decondensation™ Test (SDD)]

	<ul style="list-style-type: none"> ▪ Sperm wash without approved cycle ▪ Laboratory tests for cycle monitoring when IUI or IVF cycle has not been approved ▪ Infertility treatment when medically contraindicated (e.g. uterine or tubal abnormalities)
Feb. 14, 2020	Added pre-implantation genetic testing criteria to ART section
Jan. 17, 2019	Clarified IVF protocol for members between 35–38 years of age Added that SET is not necessary for members > 38 undergoing IVF
Nov. 25, 2019	Updated commensurate with New York State Mandate eff. Jan. 1, 2020

Applicable Procedure Codes

58321	Artificial insemination; intra-cervical
58322	Artificial insemination; intra-uterine
58323	Sperm washing for artificial insemination
58340	Catheterization and introduction of saline or contrast material for saline infusion sonohysterography (SIS) or hysterosalpingography
58345	Transcervical introduction of fallopian tube catheter for diagnosis and/or re-establishing patency (any method), with or without hysterosalpingography
58752	Tubouterine implantation
58760	Fimbrioplasty
58970	Follicle puncture for oocyte retrieval, any method
58974	Embryo transfer, intrauterine
76831	Saline infusion sonohysterography (SIS), including color flow Doppler, when performed
76948	Ultrasonic guidance for aspiration of ova, imaging supervision and interpretation
89250	Culture of oocyte(s)/embryo(s), less than 4 days;
89251	Culture of oocyte(s)/embryo(s), less than 4 days; with co-culture of oocyte(s)/embryos
89253	Assisted embryo hatching, microtechniques (any method)
89254	Oocyte identification from follicular fluid
89255	Preparation of embryo for transfer (any method)
89257	Sperm identification from aspiration (other than seminal fluid)
89258	Cryopreservation; embryo(s)
89259	Cryopreservation; sperm
89260	Sperm isolation; simple prep (e.g., sperm wash and swim-up) for insemination or diagnosis with semen analysis
89261	Sperm isolation; complex prep (e.g., Percoll gradient, albumin gradient) for insemination or diagnosis with semen analysis
89264	Sperm identification from testis tissue, fresh or cryopreserved
89268	Insemination of oocytes
89272	Extended culture of oocyte(s)/embryo(s), 4-7 days
89280	Assisted oocyte fertilization, microtechnique; less than or equal to 10 oocytes
89281	Assisted oocyte fertilization, microtechnique; greater than 10 oocytes

89290	Biopsy, oocyte polar body or embryo blastomere, microtechnique (for pre-implantation genetic diagnosis); less than or equal to 5 embryos
89291	Biopsy, oocyte polar body or embryo blastomere, microtechnique (for pre-implantation genetic diagnosis); greater than 5 embryos
89300	Semen analysis; presence and/or motility of sperm including Huhner test (post coital)
89310	Semen analysis; motility and count (not including Huhner test)
89320	Semen analysis; volume, count, motility, and differential
89321	Semen analysis; sperm presence and motility of sperm, if performed
89322	Semen analysis; volume, count, motility, and differential using strict morphologic criteria (e.g., Kruger)
89331	Sperm evaluation, for retrograde ejaculation, urine (sperm concentration, motility, and morphology, as indicated)
89337	Cryopreservation, mature oocyte(s)
89342	Storage (per year); embryo(s)
89343	Storage (per year); sperm/semens
89346	Storage (per year); oocyte(s)
89352	Thawing of cryopreserved; embryo(s)
89353	Thawing of cryopreserved; sperm/semens, each aliquot
89356	Thawing of cryopreserved; oocytes, each aliquot
Q0115	Postcoital direct, qualitative examinations of vaginal or cervical mucous
S4011	In vitro fertilization; including but not limited to identification and incubation of mature oocytes, fertilization with sperm, incubation of embryo(s), and subsequent visualization for determination of development
S4015	Complete in vitro fertilization cycle, not otherwise specified, case rate
S4016	Frozen in vitro fertilization cycle, case rate
S4017	Incomplete cycle, treatment cancelled prior to stimulation, case rate
S4018	Frozen embryo transfer procedure cancelled before transfer, case rate
S4020	In vitro fertilization procedure cancelled before aspiration, case rate
S4021	In vitro fertilization procedure cancelled after aspiration, case rate
S4022	Assisted oocyte fertilization, case rate
S4023	Donor egg cycle, incomplete, case rate
S4025	Donor services for in vitro fertilization (sperm or embryo), case rate
S4027	Storage of previously frozen embryos
S4035	Stimulated intrauterine insemination (IUI), case rate
S4037	Cryopreserved embryo transfer, case rate

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- Agency for healthcare research and quality (AHRQ), U.S. Department of Health and Human Services, National Guideline Clearinghouse | Fertility: assessment and treatment for people with fertility problems. <http://guideline.gov/content.aspx>

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Appendix EmblemHealth Pre-Authorization Request Form

Date:	Requesting Provider:
Member Name:	Requesting Provider ID #:
Member ID #:	Tax ID #:
Member DOB and age:	Office Contact Name:
Partner/Spouse DOB:	Office Contact Phone # and Ext:
	Office Contact Fax #:

Treatment date change only? Yes No If yes, From _____ to _____

Patient Infertility History

How long has member been trying to conceive? _____ Male, hormonal, or anatomical infertility? _____

History of sterilization? _____

How many intrauterine insemination cycles (medicated/non-medicated) has this member received? _____

Dates _____ How many IVF cycles has member had? _____ Dates _____

Procedure(s) Requested

ICD-10 Codes(s): _____ CPT Code(s): _____

Please check the procedure(s) for which you are requesting coverage:

- Intrauterine insemination
- In Vitro fertilization: Fresh _____, Freeze all _____, FET _____ (How many embryos are planned to transfer? ____)
- AH ICSI PGT Use of donor egg/sperm Other _____

Number of cycles requested _____

Anticipated length of therapy: From _____ to _____

Clinical information necessary for pre-authorization request

- H & P
- HSG, or sonohysterosalpingogram (Dated within 2 years)
- LMP, Day 3 Labs (E2, FSH; dated within 6 months), AMH
- Semen Analysis dated within 1 year (Two dated within last 3 months for severe male factor infertility — ICSI)
- Carrier Screening Report for PGT requests
- Previous infertility treatment records
- Other clinical information:

Fax form and medical documentation to EmblemHealth IVF at 1-212-946-7516 or email IVF@emblemhealth.com.

Please Note:

- **Services are not considered authorized until EmblemHealth issues an authorization. Lack of information will delay processing of request.**
- **Additional requests must also include both a completed form and supporting medical documentation.**

Contact 1-800-447-8255 with any questions about pre-authorization.

This is confidential information

Last reviewed 8/2020