

Clinical Policy: Testosterone

Reference Number: CP.CPA.291

Effective Date: 11.16.16

Last Review Date: 11.25

Line of Business: Commercial

[Coding Implications](#)[Revision Log](#)

See [Important Reminder](#) at the end of this policy for important regulatory and legal information.

Description

The following are testosterone agents requiring prior authorization: testosterone undecanoate capsule (Jatenzo[®], Kyzatrex[®], Tlando[™], Undecatrex[™]), testosterone transdermal gel (Vogelxo[®], Testim[®]), testosterone transdermal system (Androderm[®]), testosterone nasal gel (Natesto[®]), testosterone pellet (Testopel[®]), testosterone enanthate injection (Xyosted[®]), testosterone cypionate (Azmiro[™]), and testosterone undecanoate injection (Aveed[®]).

FDA Approved Indication(s)

Testosterone is indicated for:

- Replacement therapy in conditions associated with a deficiency or absence of endogenous testosterone:
 - Primary hypogonadism (congenital or acquired) - testicular failure due to cryptorchidism, bilateral torsion, orchitis, vanishing testes syndrome, orchiectomy, Klinefelter's syndrome, chemotherapy, or toxic damage from alcohol or heavy metals.
 - Hypogonadotropic hypogonadism (congenital or acquired) – gonadotropin or luteinizing hormone-releasing hormone deficiency, or pituitary-hypothalamic injury from tumors, trauma, or radiation
- Treatment of delayed puberty in carefully selected males (*Testopel and enanthate salt only*)
- Treatment of women with advancing inoperable metastatic (skeletal) mammary cancer who are one to five years postmenopausal and premenopausal women with breast cancer who have benefited from oophorectomy and are considered to have a hormone-responsive tumor. (*enantate salt only*)

Limitation(s) of use:

- Safety and efficacy in men with “age-related hypogonadism” (also referred to as “late-onset hypogonadism”) has not been established.
- Safety and efficacy in males < 18 years old have not been established for agents other than Testopel, testosterone cypionate, and testosterone enanthate.
- Azmiro: Safety and efficacy in pediatric patients < 12 years old have not been established.
- Topical testosterone products may have different doses, strengths, or application instructions that may result in different systemic exposure.

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of health plans affiliated with Centene Corporation[®] that Androderm, Aveed, Azmiro, Jatenzo, Kyzatrex, Natesto, Testim, testosterone, Testopel, Tlando, Undecatex, Vogelxo, and Xyosted are **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Hypogonadism (must meet all):

1. Diagnosis of primary hypogonadism or hypogonadotropic hypogonadism;
2. One of the following (a or b):
 - a. Age \geq 18 years;
 - b. Request is for testosterone cypionate, testosterone enanthate, or Testopel[®];
3. Documentation of serum testosterone level $<$ 300 ng/dL (or less than the lab reference range) on at least 2 separate days within the last 6 months;
4. Member meets one of the following (a, b, c, or d):
 - a. Request is for generic testosterone cypionate or generic testosterone enanthate;
 - b. Request is for testosterone cypionate, Xyosted, Aveed, or Azmiro: Member must use generic testosterone cypionate or generic testosterone enanthate, unless contraindicated or clinically significant adverse effects are experienced;
 - c. Request is for Testopel and medical justification supports inability to use transdermal (e.g., patch, gel) and injectable testosterone;
 - d. For all other requests, both of the following (i and ii):
 - i. Age \geq 18 years;
 - ii. Failure* of generic testosterone transdermal gel at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
5. Dose does not exceed the FDA approved maximum (see Section V).

Approval duration:

Testopel – 6 months

Injectables – 6 months or to the member's renewal date, whichever is longer

All other agents – 12 months

B. Delayed Puberty (must meet all):

1. Diagnosis of delayed puberty;
2. Request is for testosterone enanthate for intramuscular administration or Testopel;
3. Prescribed by or in consultation with an endocrinologist;
4. If request is for Testopel, medical justification supports inability to use injectable testosterone;
5. Dose does not exceed the FDA approved maximum (see Section V).

Approval duration:

Testopel – 6 months

Injectables – 6 months or to the member's renewal date, whichever is longer

C. Breast Cancer (must meet all):

1. Diagnosis of breast cancer;
2. Request is for testosterone enanthate for intramuscular administration;
3. Prescribed by or in consultation with an oncologist;

4. One of the following (a or b):
 - a. Member meets both of the following (1 and 2):
 - 1) 1 to 5 years postmenopausal;
 - 2) Has inoperable metastatic breast cancer;
 - b. Member meets all of the following (1, 2, and 3):
 - 1) Premenopausal;
 - 2) Has benefitted from oophorectomy;
 - 3) Tumor is hormone-responsive;
 5. Dose does not exceed the FDA approved maximum (see section V).
- Approval duration: 6 months or to the member's renewal date, whichever is longer**

D. Gender Dysphoria, Female-to-Male Transition (off-label) (must meet all):

1. Diagnosis of gender dysphoria or request is for gender transition;
2. One of the following (a or b):
 - a. Age \geq 18 years;
 - b. Request is for testosterone cypionate, testosterone enanthate, or Testopel;
3. Prescribed by or in consultation with both of the following (a and b):
 - a. An endocrinologist;
 - b. A provider with expertise in gender dysphoria and transgender medicine based on a certified training program or affiliation with local transgender health services (e.g., mental health professional such as psychologist, psychiatrist, see *Appendix D*);
4. Member meets one of the following (a, b, c, or d):
 - a. Request is for generic testosterone cypionate or generic testosterone enanthate;
 - b. Request is for testosterone cypionate, Xyosted, Aveed, or Azmiro: Member must use generic testosterone cypionate or generic testosterone enanthate, unless contraindicated or clinically significant adverse effects are experienced;
 - c. Request is for Testopel and medical justification supports inability to use transdermal (e.g., patch, gel) and injectable testosterone;
 - d. For all other requests, both of the following (i and ii):
 - i. Age \geq 18 years;
 - ii. Failure of generic testosterone transdermal gel at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
5. Member demonstrates understanding of expected testosterone treatment outcomes and has given consent for such treatment;
6. If member has a psychiatric comorbidity, member is followed by mental health provider;
7. Psychosocial support will be provided during treatment;
8. Dose is within FDA maximum limit for any FDA-approved indication (see Section V) or is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

Approval duration:

Injectables – 6 months or to the member's renewal date, whichever is longer

All other agents – 6 months

E. Other diagnoses/indications (must meet 1 or 2):

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
 - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial; or
 - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial; or
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: CP.CPA.09 for commercial.

II. Continued Therapy

A. Delayed Puberty

1. Re-authorization is not permitted. Members must meet the initial approval criteria.
Approval duration: Not applicable

B. Gender Dysphoria, Female-to-Male Transition (off-label) (must meet all):

1. Member meets one of the following (a or b):
 - a. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
 - b. Member is currently receiving medication and is enrolled in a state and product with continuity of care regulations (*refer to state specific addendums for CC.PHARM.03A and CC.PHARM.03B*);
2. Member is responding positively to therapy (e.g., developing a masculinized body while minimizing feminine characteristics, consistent with member's gender goals);
3. If request is for a dose increase, new dose is within FDA maximum limit for any FDA-approved indication (see Section V) or is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

Approval duration:

Injectables – 6 months or to the member's renewal date, whichever is longer

All other agents – 12 months

C. All Other Indications in Section I (must meet all):

1. Member meets one of the following (a, b, or c):
 - a. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
 - b. Member is currently receiving medication and is enrolled in a state and product with continuity of care regulations (*refer to state specific addendums for CC.PHARM.03A and CC.PHARM.03B*);
 - c. Documentation supports that member is currently receiving testosterone for breast cancer and has received this medication for at least 30 days;

2. Member is responding positively to therapy;
3. If request is for a dose increase, new dose does not exceed the FDA-approved maximum (see Section V).

Approval duration:

Testopel – 6 months

Injectables – 6 months or to the member’s renewal date, whichever is longer

All other agents – 12 months

D. Other diagnoses/indications (must meet 1 or 2):

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
 - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial; or
 - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial; or
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: CP.CPA.09 for commercial.

III. Diagnoses/Indications for which coverage is NOT authorized:

- A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policies – CP.CPA.09 for commercial or evidence of coverage documents;
- B. Age-related hypogonadism or late-onset hypogonadism.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

FDA: Food and Drug Administration

Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent for all relevant lines of business and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
testosterone 1% gel (AndroGel [®])	Male hypogonadism: Starting dose: 50 mg applied topically QD. Dose may be titrated to a maximum of 100 mg QD based on serum testosterone level.	100 mg/day
testosterone 1.62% gel (AndroGel [®])	Male hypogonadism: Starting dose: 40.5 mg applied topically QD. Dose may be titrated to a maximum of 81 mg QD based on serum testosterone level.	81 mg/day

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
testosterone 2% gel (Fortesta [®])	Male hypogonadism: 40 mg (4 pump actuations) applied topically QD to the thighs. Dose may be titrated to a maximum of 70 mg (4 pump actuations on one thigh and 3 pump actuations on the other thigh) QD based on serum testosterone level. Dose should be titrated to maintain serum testosterone in the range of 500-1250 ng/dL.	70 mg/day
testosterone cypionate injection	Male hypogonadism: 50 to 400 mg IM once every 2 to 4 weeks	400 mg every 2 to 4 weeks
testosterone enanthate injection	Male hypogonadism: 50 to 400 mg IM once every 2 to 4 weeks Males with delayed puberty: 50 to 200 mg every 2 to 4 weeks for a limited duration, for example, 4 to 6 months.	400 mg every 2 to 4 weeks

Therapeutic alternatives are listed as Brand name[®] (generic) when the drug is available by brand name only and generic (Brand name[®]) when the drug is available by both brand and generic.

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s):
 - Men with known carcinoma of the breast or known or suspected carcinoma of the prostate
 - Pregnant or breastfeeding women
 - Aved, Azmiro, testosterone cypionate, Jatenzo, Kyzatrex, testosterone cypionate, testosterone enanthate, Undecatrex, Xyosted: hypersensitivity to product or ingredients
 - Jatenzo, Kyzatrex, Undecatrex, Xyosted: men with hypogonadal conditions not associated with structural or genetic etiologies
 - Testosterone cypionate: patients with serious cardiac, hepatic, or renal disease
 - Tlando: hypogonadal conditions not associated with structural or genetic etiologies
- Boxed warning(s):
 - Aved: serious pulmonary oil microembolism reactions and anaphylaxis
 - Fortesta, Testim, Vogelxo: secondary exposure to testosterone
 - Undecatrex: increases in blood pressure

Appendix D: General Information

- Patients with primary hypogonadism usually have low serum testosterone concentrations and gonadotropins (follicle stimulating hormone and luteinizing hormone) above the normal range. Patients with hypogonadotropic hypogonadism have low serum testosterone concentrations but have gonadotropins in the normal or low range.
- Per the Endocrine Society (2018), the diagnosis of hypogonadism requires unequivocally and consistently low testosterone levels on at least 2 separate mornings. Although the lower limit of normal for testosterone can vary depending on the laboratory used, clinical trials for a number of testosterone agents defined it as < 300 ng/dL. Additionally, the

American Urological Association suggests < 300 ng/dL as a reasonable cut-off in support of low testosterone diagnosis (2018).

- Androgens may be used cautiously to stimulate puberty in carefully selected patients with clearly delayed puberty. Brief treatment with conservative doses may occasionally be justified in these patients if they do not respond to psychological support.
- Testopel implantation has much less flexibility for dosage adjustment than oral administration or intramuscular injections of oil solutions or aqueous suspensions, requires surgical removal if testosterone should be discontinued, and carries a risk of sloughing out of the skin.
- WPATH offers their Global Education Institute (GEI) Certified Training Courses: Best Practices in Transgender Medical and Mental Health Care. Additionally, the following link provides a search tool to locate WPATH member providers:
<https://app.wpath.org/provider/search>
- Transgender Care Therapy Certification Training is also offered by the International Transgender Certification Association (ITCA). Professionals with expertise in transgender care can be located using the following search tool:
<https://transgendercertification.com/locate-a-professional/>
- The WPATH Standards of Care Version 8 recommend that adolescents are managed by a multidisciplinary care team that involves both medical and mental health professionals. The list of key disciplines includes but is not limited to: adolescent medicine/primary care, endocrinology, psychology, psychiatry, speech/language pathology, fertility, social work, support staff, and the surgical team. The need to include a healthcare professional with some expertise in mental health does not dictate the inclusion of a psychologist, psychiatrist, or social work in every assessment. Instead, a general medical practitioner, nurse or other qualified health care professional could also fulfill this requirement if they have sufficient expertise to diagnose gender incongruence, recognize mental health concerns, distinguish between these concerns and gender dysphoria, incongruence, and diversity, assist a transgender person in care planning and preparing for gender affirmative medical and surgical treatments, and refer to a mental health professional if needed.

V. Dosage and Administration

Drug Name	Dosing Regimen	Maximum Dose
Androderm transdermal system 2.5/2/4/5 mg per 24 hr (testosterone patch)	Male hypogonadism: Initiate with 1 patch of the 4 mg/day system (not two 2 mg/day systems) applied nightly to an area of dry, clean skin on the upper arms, thighs, back or abdomen. The patch should be worn for 24 hours. Approximately 2 weeks following initiation or any dose change, measure the early morning serum testosterone concentration following system application the previous evening. If the serum concentration is outside the target range of 400 to 930 ng/dL, increase the daily dose to 6 mg (i.e., one 4 mg/day and one 2 mg/day system) or decrease the daily dose to 2 mg (i.e., one 2 mg/day system), maintaining nightly application.	6 mg/day

Drug Name	Dosing Regimen	Maximum Dose
Aveed	Initially, 750 mg IM. After 4 weeks, give a repeat dose of 750 mg IM, then 750 mg IM every 10 weeks thereafter	750 mg/10 weeks
Azmiro	50 to 400 mg IM once every 2 to 4 weeks	400 mg/2 weeks
testosterone cypionate	50 to 400 mg IM once every 2 to 4 weeks	400 mg/2 weeks
Jatenzo	Starting dose: 237 mg PO BID Adjust the dose based on serum testosterone levels	792 mg/day
Kyzatrex, Undecatrex	Starting dosage: 200 mg PO BID Adjust the dosage to a minimum of 100 mg once in the morning and a maximum of 400 mg BID based on serum testosterone drawn 3 to 5 hours after the morning dose at least 7 days after starting treatment or following dose adjustment and periodically thereafter	800 mg/day
Natesto	11 mg (2 pump actuations; 1 actuation per nostril) administered intranasally TID. Discontinue therapy when total testosterone concentration consistently exceeds 1,050 ng/dL. Alternative treatment should be considered if total testosterone concentration is consistently below 300 ng/dL.	33 mg/day
Testopel	150-450 mg (2-6 pellets) SC every 3-6 months For every 25 mg/week of testosterone propionate, 150 mg (2 pellets) should be implanted every 3-6 months. If testosterone therapy needs to be discontinued (e.g., for severe adverse reactions), the pellets may need to be removed by a health care professional. Dosages in delayed puberty generally are in the lower range of that listed above and, for a limited duration, for example 4 to 6 months.	450 mg (6 pellets) every 3 months
Testosterone gel	50 mg (4 pump actuations, two 25 mg packets, or one 50 mg packet) applied topically QD in the morning to the shoulders and upper arms and/or abdomen area (preferably at the same time every day). Dose may be titrated to 100 mg as instructed by the physician. Dose should be titrated to maintain normal range of 298-1,043 ng/dL.	100 mg/day
Testim	50 mg (1 tube) applied topically QD to the shoulders and/or upper arms. Dose may be titrated to a maximum of 100 mg QD based on serum testosterone level. Dose should be titrated to maintain serum testosterone in the range of 300-1,000 ng/dL.	100 mg/day
Tlando	225 mg PO BID	450 mg/day

Drug Name	Dosing Regimen	Maximum Dose
Vogelxo	50 mg (1 tube or 1 packet or 4 pump actuations) applied topically QD at approximately the same time each day to the shoulders and/or upper arms. Dose may be titrated to a maximum of 100 mg QD based on serum testosterone level. Dose should be titrated to maintain serum testosterone in the range of 300-1,000 ng/dL.	100 mg/day
Xyosted	75 mg SC once weekly in the abdominal region. Avoid IM and IV administration.	Varies based on testosterone concentration.

VI. Product Availability

Drug Name	Availability
Androderm	Transdermal systems: 2 mg/day, 4 mg/day
Aveed	Oil for injection: 750 mg/3 mL
Azmiro	Single-dose vial or prefilled syringe: 200 mg/mL
testosterone cypionate	Oil for injection: 2,000 mg/10 mL (200 mg/mL)
Jatenzo	Oral capsules: 158 mg, 198 mg, 237 mg
Kyzatrex, Undecatrex	Oral capsules: 100 mg, 150 mg, 200 mg
Natesto	Intranasal gel in metered dose pump: 11 gm dispensed as 60 metered pump actuations. One pump actuation delivers 5.5 mg of testosterone
Testopel	Pellet for implantation: 75 mg
Testosterone gel	Gel in metered-dose pump: 88 gm capable of dispensing 60 metered pump actuations; each pump actuation delivers 12.5 mg testosterone in 1.25 gm of gel Gel in unit-dose packet: 25 mg testosterone in 2.5 gm of gel, 50 mg testosterone in 5 gm of gel
Testim	1% gel in tube: 5 gm (50 mg testosterone)
Tlando	Capsule: 112.5 mg
Vogelxo	Gel in unit-dose tube or packet: 50 mg testosterone in 5 gm of gel Gel in metered-dose pump: 12.5 mg testosterone 1.25 gm of gel per actuation; each 75-gm pump is capable of dispensing 60 metered pump actuations
Xyosted	Autoinjector: 50 mg/0.5 mL, 75 mg/0.5 mL, 100 mg/0.5 mL

VII. References

1. Androderm Prescribing Information. Madison, NJ: Allergan USA, Inc.; May 2020. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/020489s0361bl.pdf. Accessed July 10, 2025.
2. Aveed Prescribing Information. Malvern, PA: Endo Pharmaceuticals Inc.; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/022219s0211bl.pdf. Accessed July 10, 2025 .

3. Azmiro Prescribing Information. Princeton, NJ: Slayback Pharma LLC; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/216318s0051bl.pdf. Accessed July 10, 2025.
4. Jatenzo Prescribing Information. Northbrook, IL: Clarus Therapeutics, Inc.; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/206089s0091bl.pdf. Accessed July 10, 2025.
5. Kyzatrex Prescribing Information. Raleigh, NC: Marius Pharmaceuticals; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/213953s0051bl.pdf. Accessed July 10, 2025.
6. Natesto Prescribing Information. Malvern, PA: Endo Pharmaceuticals Inc.; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/205488s0051bl.pdf. Accessed July 10, 2025.
7. Testim Prescribing Information. Malvern, PA: Endo Pharmaceuticals, Inc.; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/021454s0361bl.pdf. Accessed July 10, 2025.
8. Testopel Prescribing Information. Malvern, PA: Endo Pharmaceutical Inc.; May 2025. Available at: www.testopel.com. Accessed July 10, 2025.
9. Testosterone Cypionate Injection Prescribing Information. Parsippany, NJ: Actavis Pharma, Inc.; October 2018. Available at: <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=d7b57b68-dca6-4df2-b3f2-7017d7b69f17>. Accessed July 10, 2025.
10. Testosterone Enanthate Injection Prescribing Information. Berkeley Heights, NJ: Hikma Pharmaceuticals USA Inc.; January 2021. Available at: <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=e89d6458-428c-4256-97a3-f1fa851293c1>. Accessed July 10, 2025.
11. Undecatrex Prescribing Information. San Antonio, TX: Trifluent Pharma, LLC; September 2022. Available at: <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=0828e67d-8b53-4297-aab8-196ded3dba1f>. Accessed July 29, 2025.
12. Vogelxo Prescribing Information. Maple Grove, MN: Upsher-Smith Laboratories, Inc.; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/204399s0161bl.pdf. Accessed July 10, 2025.
13. Xyosted Prescribing Information. Ewing, NJ: Antares Pharma, Inc.; July 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/209863s0201bl.pdf. Accessed July 10, 2025.
14. Mulhall JP, Trost LW, Brannigan RE, et al. Evaluation and management of testosterone deficiency AUA guideline. American Urological Association. Published 2018. Available at: [http://www.auanet.org/guidelines/testosterone-deficiency-\(2018\)](http://www.auanet.org/guidelines/testosterone-deficiency-(2018)).
15. Basin S, Brito JP, Cunningham GR, et al. Testosterone therapy in men with hypogonadism: an Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2018; 103(5): 1715-1744. Available at: <https://academic.oup.com/jcem/article/103/5/1715/4939465>. Accessed: July 10, 2025
16. Jayasena CN, Anderson RA, Llahana S, et al. Society for Endocrinology guidelines for testosterone replacement therapy in male hypogonadism. *Clinical Endocrinology.* 2022 February; 96(2): 200-219.

17. Coleman E, Bockting W, Botzer M, et al. Standards of care for the health of transsexual, transgender, and gender nonconforming people. WPATH: World Professional Association for Transgender Health. 7th version; 2012. Available at https://www.wpath.org/media/cms/Documents/SOC%20v7/SOC%20V7_English2012.pdf?_t=1613669341. Accessed July 28, 2025.
18. WPATH: World Professional Association for Transgender Health Standards of Care for the Health of Transgender and Gender Diverse People, Version 8. Available at: <https://www.wpath.org/soc8>. Accessed July 10, 2025.
19. Micromedex[®] Healthcare Series [Internet database]. Greenwood Village, Colo: Thomson Healthcare. Updated periodically. Accessed July 28, 2025.
20. Tlando Prescribing Information. Ewing, NJ: Antares Pharma, Inc.; February 2024. Available at: www.tlando.com. Accessed July 09, 2024.
21. Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine Treatment of Gender-Dysphoric/Gender-Incongruent Persons: An Endocrine Society Clinical Practice Guideline. *J Clin Endocrinol Metab*. November 2017; 102(11): 3869–3903.

Coding Implications

Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

HCPCS Codes	Description
J3145	Injection, testosterone undecanoate, 1 mg
J1071	Injection, testosterone cypionate, 1 mg
J1072	Injection, testosterone cypionate (azmiro), 1 mg
J1073	Testosterone pellet, implant, 75 mg
J3121	Injection, testosterone enanthate, 1 mg

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Added criteria for gender dysphoria/transition; added criteria for breast cancer per label for testosterone enanthate; clarified age and alternative therapy requirements for hypogonadism indication; updated HCPCS codes; clarified approval durations for 6 months or to the member’s renewal date, whichever is longer applies to injectable products generally rather than indicating specific products; references reviewed and updated.	07.07.21	08.21
4Q 2021 annual review: no significant changes; references reviewed and updated.	09.02.21	11.21
For gender dysphoria or request is for gender transition modified prescriber requirements to allow experts in transgender medicine based on a certified training program or affiliation with local transgender health services; for general information Appendix D	12.14.21	02.22

Reviews, Revisions, and Approvals	Date	P&T Approval Date
added resources for transgender provider search tools and examples of training programs.		
4Q 2022 annual review: for delayed puberty indication added testosterone enanthate for intramuscular administration per label; for breast cancer clarified request is for testosterone enanthate for intramuscular administration as Xyosted administered subcutaneously is not indicated; for gender dysphoria added requirement for age \geq 18 years unless request is for testosterone cypionate, testosterone enanthate, or Testopel; where redirection is required, modified to allow generic testosterone cypionate or generic testosterone enanthate without redirection, added requirement for Depo-testosterone, Xyosted, or Aveed that member must use generic testosterone cypionate or generic testosterone enanthate; added Tlando to policy; removed inactive HCPCS Codes J1070, J1080, J3120, J3130; RT4: added newly approved Kyzatrex to the policy; references reviewed and updated. Template changes applied to other diagnoses/indications and continued therapy section. Per September SDC added Androderm to policy.	09.26.22	11.22
4Q 2023 annual review: no significant changes; for delayed puberty initial approval duration clarified for injectables is 6 months or to the member's renewal date, whichever is longer; references reviewed and updated.	06.26.23	11.23
4Q 2024 annual review: for hypogonadism serum testosterone requirement added allowance for levels less than the lab reference range, for redirection to generic testosterone transdermal gel added clarification as a footnote stating "Failure is demonstrated by lower than normal total testosterone levels as compared to laboratory reference values"; references reviewed and updated.	07.09.24	11.24
RT4: added Azmiro to policy applying existing redirection to generic testosterone cypionate or generic testosterone enanthate.	12.11.24	
HCPCS code added [J1072].	02.13.25	
4Q 2025 annual review: for breast cancer, added criteria to more closely align with prescribing information regarding metastatic disease and hormone receptor positive disease; references reviewed and updated.	07.10.25	11.25
HCPCS code added [J1073], removed code [S0189].	01.05.26	

Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical

policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. “Health Plan” means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan’s affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions, and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment, or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

Providers referred to in this clinical policy are independent contractors who exercise independent judgment and over whom the Health Plan has no control or right of control. Providers are not agents or employees of the Health Plan.

This clinical policy is the property of the Health Plan. Unauthorized copying, use, and distribution of this clinical policy or any information contained herein are strictly prohibited. Providers, members, and their representatives are bound to the terms and conditions expressed herein through the terms of their contracts. Where no such contract exists, providers, members and their representatives agree to be bound by such terms and conditions by providing services to members and/or submitting claims for payment for such services.

©2016 Centene Corporation. All rights reserved. All materials are exclusively owned by Centene Corporation and are protected by United States copyright law and international copyright law. No part of this publication may be reproduced, copied, modified, distributed, displayed, stored in a retrieval system, transmitted in any form or by any means, or otherwise published without the prior written permission of Centene Corporation. You may not alter or

CLINICAL POLICY
Testosterone



remove any trademark, copyright or other notice contained herein. Centene® and Centene Corporation® are registered trademarks exclusively owned by Centene Corporation.