

**Table 1. Age-standardized incidence and prevalence of testosterone therapy by route of administration.**

Claim year	Medication Type															
	Any				Injection/Implantable				Transdermal				Buccal/Oral			
	Incidence		Prevalence		Incidence		Prevalence		Incidence		Prevalence		Incidence		Prevalence	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1999	–	–	30,715	323	–	–	30,715	323	–	–	–	–	–	–	–	–
2000	19,206	246	31,749	331	19,206	246	31,749	331	–	–	–	–	–	–	–	–
2001	19,223	242	32,469	326	19,223	242	32,469	326	–	–	–	–	–	–	–	–
2002	18,864	223	32,525	317	18,864	223	32,525	317	–	–	–	–	–	–	–	–
2003	19,383	224	33,021	316	19,383	224	33,021	316	–	–	–	–	–	–	–	–
2004	17,254	194	31,072	293	17,254	194	31,072	293	–	–	–	–	–	–	–	–
2005	17,100	192	30,438	285	17,100	192	30,438	285	–	–	–	–	–	–	–	–
2006	17,011	194	25,458	618	17,011	194	12,302	301	–	–	13,305	320	–	–	716	17
2007	10,915	753	29,061	706	3,405	228	13,263	325	7,573	529	16,090	388	325	22	654	16
2008	20,513	719	32,959	780	7,622	259	14,878	355	13,259	473	18,543	436	419	14	567	14
2009	21,310	724	36,444	850	9,430	312	17,621	414	12,366	428	19,271	446	313	10	552	13
2010	25,463	812	43,190	978	11,695	367	21,625	493	14,412	466	22,312	502	265	8	431	10
2011	30,406	958	53,234	1,146	13,711	422	26,481	574	17,555	562	27,860	596	165	5	315	7
2012	47,865	1,428	80,793	1,592	17,601	511	33,955	675	31,835	961	49,031	960	168	5	268	5
2013	53,680	1,487	108,928	1,791	18,344	490	42,687	708	37,196	1,045	69,037	1,129	139	4	275	5
2014	54,505	1,207	96,898	1,497	15,019	325	36,956	576	40,889	911	61,668	947	123	3	191	3

Annual incidence and prevalence were age-adjusted to the 2000 US standard population.

Incidence was expressed per 100,000 person-years. Prevalence was expressed per 100,000 persons.

Calculation of prevalence from 2006 onwards and incidence from 2007 onwards were based on male beneficiaries who had Part A/B and Part D coverages.

**Supplemental Table 1. HCPCS (Health Care Procedure Coding System) drug administration codes in Medicare Part A and B for intramuscular injections and implantable pellets of testosterone therapy**

J0900	testosterone enanthate, up to 1 cc
J1060	testosterone cypionate, up to 1 ml
J1070	testosterone cypionate, up to 100 mg
J1080	testosterone cypionate, up to 200 mg
J3120	testosterone enanthate, up to 100 mg
J3130	testosterone enanthate, up to 200 mg
J3140	testosterone suspension, up to 50 mg
J3150	testosterone propionate, up to 100 mg
S0189	testosterone pellet, 75 mg

**Supplemental Table 2. U.S. Food and Drug Administration National Drug Codes in Medicare Part D for oral and transdermal testosterone prescriptions**

0002-1975-61	topical, testosterone, 30mg/1.5ml
0002-1975-90	topical, testosterone, 30mg/1.5ml
0245-0871-05	topical, testosterone, 50mg/5g
0245-0871-35	topical, testosterone, 50mg/5g
0245-0872-42	topical, testosterone, 12.5mg/1
0603-7831-88	topical, testosterone, 10mg/.5g
0832-1120-05	topical, testosterone, 50mg/5g
0832-1120-35	topical, testosterone, 50mg/5g
0832-1121-42	topical, testosterone, 12.5mg/1
16590-853-30	topical, testosterone, 50mg/5g
45802-116-02	topical, testosterone, 12.5mg/1.25g
45802-116-39	topical, testosterone, 12.5mg/1.25g
45802-116-65	topical, testosterone, 12.5mg/1.25g
54868-6406-0	topical, testosterone, 30mg/1.5ml
63481-183-16	topical, testosterone, 10mg/.5g
63481-183-17	topical, testosterone, 10mg/.5g
63481-183-18	topical, testosterone, 10mg/.5g
0051-8425-30	transdermal, testosterone, 10mg/g
0051-8450-30	transdermal, testosterone, 10mg/g
0051-8462-30	transdermal, testosterone, 16.2mg/g
0051-8462-31	transdermal, testosterone, 16.2mg/g
0051-8462-33	transdermal, testosterone, 16.2mg/g
0591-2921-02	transdermal, testosterone, 10mg/g
0591-3216-30	transdermal, testosterone, 10mg/g
0591-3217-30	transdermal, testosterone, 10mg/g
21695-112-30	transdermal, testosterone, 10mg/g
35356-758-30	transdermal, testosterone, 50mg/5g
49884-418-72	transdermal, testosterone, 25mg/2.5g
49884-510-72	transdermal, testosterone, 50mg/5g
50090-0875-0	transdermal, testosterone, 50mg/5g
50090-1306-0	transdermal, testosterone, 16.2mg/g
52544-076-60	transdermal, testosterone, 2mg/d
52544-077-30	transdermal, testosterone, 4mg/d
54569-5339-0	transdermal, testosterone, 10mg/g
54569-5339-1	transdermal, testosterone, 10mg/g
54569-5595-0	transdermal, testosterone, 50mg/5g
54569-6337-0	transdermal, testosterone, 16.2mg/g
54868-4792-0	transdermal, testosterone, 10mg/g
54868-4810-0	transdermal, testosterone, 10mg/g
54868-4989-0	transdermal, testosterone, 50mg/5g
54868-5814-0	transdermal, testosterone, 10mg/g
66887-001-05	transdermal, testosterone, 50mg/5g
66993-934-30	transdermal, testosterone, 50mg/5g
52244-030-60	buccal, testosterone, 30mg/1

55056-3060-1	buccal, testosterone, 30mg/1
63481-239-01	nasal, testosterone, 5.5mg/1
0115-1408-01	oral, methyltestosterone, 10mg/1
0115-1408-03	oral, methyltestosterone, 10mg/1
0115-1408-08	oral, methyltestosterone, 10mg/1
0115-7037-01	oral, methyltestosterone, 10mg/1
0187-0901-01	oral, methyltestosterone, 10mg/1
0187-0902-01	oral, methyltestosterone, 10mg/1
0832-0086-00	oral, fluoxymesterone, 10mg/1