

Comparison of Oral Contraceptives and Non-Oral Alternatives (United States)

This list is not comprehensive and the grouping is not an indication of therapeutic equivalence for purposes of substitution as defined by the FDA's Orange Book. For therapeutic equivalence, consult the Orange Book (<https://www.accessdata.fda.gov/scripts/cder/ob/>). For information on which hormonal contraceptive to use (e.g., in patients with obesity, acne, endometriosis, dysmenorrhea), see our resource, *Choosing a Contraceptive*.

Products	Estrogen	Progestin
MONOPHASIC PILLS		
<i>Apri</i> <i>Cyred EQ</i> desogestrel/EE <i>Desogen</i> <i>Enskyce</i> <i>Isibloom</i> <i>Juleber</i> <i>Kalliga</i> <i>Reclipsen</i>	EE 30 mcg x 21 days	Desogestrel 0.15 mg x 21 days
drospirenone/EE ^c <i>Ocella</i> <i>Safyral^c</i> <i>Syeda</i> <i>Tydemy^c</i> <i>Yasmin</i> <i>Zumandimine</i>	EE 30 mcg x 21 days	Drospirenone 3 mg x 21 days
<i>Beyaz^c</i> drospirenone/EE ^c <i>Gianvi</i> <i>Jasmiel</i> <i>Loryna</i> <i>Lo-Zumandimine</i> <i>Nikki</i> <i>Vestura</i> <i>Yaz</i>	EE 20 mcg x 24 days	Drospirenone 3 mg x 24 days
<i>Nextstellis</i>	Estetrol 14.2 mg x 24 days	Drospirenone 3 mg x 24 days
ethynodiol diacetate/EE <i>Kelnor 1/35</i> <i>Zovia 1/35</i>	EE 35 mcg x 21 days	Ethinodiol diacetate 1 mg x 21 days
ethynodiol diacetate/EE <i>Kelnor 1/50-28</i>	EE 50 mcg x 21 days	Ethinodiol diacetate 1 mg x 21 days
<i>Altavera</i> <i>Ayuna</i> <i>Chateal EQ</i> <i>Kurvelo</i> levonorgestrel/EE <i>Levora</i> <i>Marlissa</i> <i>Portia</i>	EE 30 mcg x 21 days	Levonorgestrel 0.15 mg x 21 days

Products	Estrogen	Progestin
MONOPHASIC PILLS (continued)		
<i>Iclevia</i> <i>Introvale</i> <i>Jolessa</i> levonorgestrel/EE <i>Setlakin</i>	EE 30 mcg x 84 days	Levonorgestrel 0.15 mg x 84 days
<i>Afirmelle</i> <i>Aubra EQ</i> <i>Aviane</i> <i>Balcoltra</i> ^d <i>Delyla</i> <i>Falmina</i> <i>Joyeaux</i> ^d <i>Lessina</i> levonorgestrel/EE +/- Fe <i>Lutera</i> <i>Sronyx</i> <i>Tyblume</i> (chewable) <i>Vienna</i>	EE 20 mcg x 21 days	Levonorgestrel 0.1 mg x 21 days
<i>Amethyst</i> <i>Dolishale</i> levonorgestrel/EE	EE 20 mcg x 28 days (continuous, no pill-free interval)	Levonorgestrel 90 mcg x 28 days (continuous, no pill free interval)
<i>Balziva</i> <i>Briellyn</i> <i>Nexesta Fe</i> (chewable) norethindrone/EE/Fe (chewable) <i>Ovcon</i> <i>Philith</i> <i>Vyfemla</i> <i>Wymzya Fe</i> (chewable) <i>Zenchant</i>	EE 35 mcg x 21 days	Norethindrone 0.4 mg x 21 days
<i>Brevicon</i> <i>Necon 0.5/35</i> <i>Nortrel 0.5/35</i> <i>Wera</i>	EE 35 mcg x 21 days	Norethindrone 0.5 mg x 21 days
<i>Kaitlib Fe</i> (chewable) <i>Layolis Fe</i> (chewable) norethindrone/EE/Fe (chewable)	EE 25 mcg x 24 days	Norethindrone 0.8 mg x 24 days
<i>Alyacen 1/35</i> <i>Dasetta 1/35</i> <i>Nortrel 1/35</i> <i>Nylia 1/35</i> <i>Ortho-Novum 1/35</i> <i>Pirmella 1/35</i>	EE 35 mcg x 21 days	Norethindrone 1 mg x 21 days
<i>Aurovela 1/20 +/- Fe</i> <i>Blisovi Fe 1/20</i> <i>Hailey Fe 1/20</i> <i>Junel 1/20 +/- Fe</i> <i>Larin 1/20 +/- Fe</i> <i>Loestrin 1/20 +/- Fe</i> <i>Microgestin 1/20 +/- Fe</i> norethindrone/EE +/- Fe <i>Tarina Fe 1/20 EQ</i>	EE 20 mcg x 21 days	Norethindrone acetate 1 mg x 21 days

Products	Estrogen	Progestin
MONOPHASIC PILLS (continued)		
<i>Aurovela 24 Fe 1/20</i> <i>Blisovi 24 Fe</i> <i>Charlotte 24 Fe</i> (chewable) <i>Finzala^d</i> (chewable) <i>Gemmily^d</i> (capsule) <i>Hailey 24 Fe</i> <i>Junel Fe 24</i> <i>Larin 24 Fe</i> <i>Merzee^d</i> (capsule) <i>Mibelas 24 Fe</i> (chewable) <i>Microgestin 24 Fe</i> <i>Minastrin 24 Fe</i> (chewable) norethindrone acetate/EE/Fe (capsule & chewable) <i>Tarina 24 Fe</i> <i>Taytulla^d</i> (capsule)	EE 20 mcg x 24 days	Norethindrone acetate 1 mg x 24 days
<i>Aurovela 1.5/30 +/- Fe</i> <i>Blisovi Fe 1.5/30</i> <i>Hailey 1.5/30 +/- Fe</i> <i>Junel 1.5/30 +/- Fe</i> <i>Larin 1.5/30 +/- Fe</i> <i>Loestrin 1.5/30 +/- Fe</i> <i>Microgestin 1.5/30 +/- Fe</i> norethindrone acetate/EE +/- Fe	EE 30 mcg x 21 days	Norethindrone acetate 1.5 mg x 21 days
<i>Estarylla</i> <i>Mili</i> <i>Mono-Linyah</i> norgestimate/EE <i>Nymyo</i> <i>Previfem</i> <i>Sprintec</i> <i>VyLibra</i>	EE 35 mcg x 21 days	Norgestimate 0.25 mg x 21 days
<i>Cryselle</i> <i>Elinest</i> <i>Low-Ogestrel</i> norgestrel/EE <i>Turqoz</i>	EE 30 mcg x 21 days	Norgestrel 0.3 mg x 21 days
BIPHASIC PILLS		
<i>Azurette</i> desogestrel/EE <i>Kariva</i> <i>Pimtrea</i> <i>Simliya</i> <i>Viorele</i> <i>Volnea</i>	EE 20 mcg x 21 days, placebo x 2 days, 10 mcg x 5 days	Desogestrel 0.15 mg x 21 days
<i>Camrese Lo</i> levonorgestrel/EE <i>LoJaimiess</i>	EE 20 mcg x 84 days, 10 mcg x 7 days	Levonorgestrel 0.1 mg x 84 days

Products	Estrogen	Progestin
BIPHASIC PILLS (continued)		
<i>Amethia</i> <i>Ashlyna</i> <i>Camrese</i> <i>Daysee</i> <i>Jaimiess</i> levonorgestrel/EE <i>Simpesse</i>	EE 30 mcg x 84 days, 10 mcg x 7 days	Levonorgestrel 0.15 mg x 84 days
<i>Lo Loestrin Fe</i>	EE 10 mcg x 26 days	Norethindrone acetate 1 mg x 24 days
TRIPHASIC PILLS		
<i>Caziant</i> <i>Cyclessa</i> <i>Velivet</i>	EE 25 mcg x 21 days	Desogestrel 0.1 mg x 7 days, 0.125 mg x 7 days, 0.15 mg x 7 days
<i>Enpresse</i> <i>Levonest</i> levonorgestrel/EE <i>Trivora</i>	EE 30 mcg x 6 days, 40 mcg x 5 days, 30 mcg x 10 days	Levonorgestrel 0.05 mg x 6 days, 0.075 mg x 5 days, 0.125 mg x 10 days
<i>Aranelle</i> <i>Leena</i>	EE 35 mcg x 21 days	Norethindrone 0.5 mg x 7 days, 1 mg x 9 days, 0.5 mg x 5 days
<i>Alyacen 7/7/7</i> <i>Dasetta 7/7/7</i> <i>Nortrel 7/7/7</i> <i>Nylia 7/7/7</i> <i>Ortho-Novum 7/7/7</i> <i>Pirmella 7/7/7</i>	EE 35 mcg x 21 days	Norethindrone 0.5 mg x 7 days, 0.75 mg x 7 days, 1 mg x 7 days
<i>Estrostep Fe</i> <i>Tilia Fe</i> <i>Tri-Legest Fe</i> norethindrone/EE/Fe	EE 20 mcg x 5 days, 30 mcg x 7 days, 35 mcg x 9 days	Norethindrone acetate 1 mg x 21 days
norgestimate/EE <i>Tri-Lo-Estarylla</i> <i>Tri-Lo-Marzia</i> <i>Tri-Lo-Mili</i> <i>Tri-Lo-Sprintec</i> <i>Tri-VyLibra Lo</i>	EE 25 mcg x 21 days	Norgestimate 0.18 mg x 7 days, 0.215 mg x 7 days, 0.25 mg x 7 days
norgestimate/EE <i>Tri-Estarylla</i> <i>Tri-Linyah</i> <i>Tri-Mili</i> <i>Tri-Nymyo^l</i> <i>Tri-Sprintec</i> <i>Tri-VyLibra</i>	EE 35 mcg x 21 days	Norgestimate 0.18 mg x 7 days, 0.215 mg x 7 days, 0.25 mg x 7 days

Products	Estrogen	Progestin
QUADRIPHASIC PILLS		
<i>Natazia</i>	Estradiol valerate 3 mg x 2 days, then 2 mg x 22 days, then 1 mg x 2 days, then 2-day pill-free interval	Dienogest none x 2 days, then 2 mg x 5 days, then 3 mg x 17 days, then none x 4 days
<i>Fayosim</i> levonorgestrel/EE <i>Rivelsa</i>	EE 20 mcg x 42 days, then 25 mcg x 21 days, then 30 mcg x 21 days, then 10 mcg x 7 days	Levonorgestrel 0.15 mg x 84 days
PROGESTIN-ONLY PILLS (“mini-pill”)		
<i>Slynd</i>	Not applicable	Drospirenone 4 mg x 24 days
<i>Camila</i> <i>Deblitane</i> <i>Errin</i> <i>Heather</i> <i>Incassia</i> <i>Jencycla</i> <i>Lyleq</i> <i>Nora-BE</i> norethindrone 0.35 mg <i>Norlyroc</i> <i>Ortho Micronor</i> <i>Sharobel</i> <i>Tulana</i>	Not applicable	Norethindrone 0.35 mg x 28 days (continuous, no pill-free interval)
<i>Opill</i> (OTC)	Not applicable	Norgestrel 0.075 mg x 28 days (continuous, no pill-free interval)
EMERGENCY CONTRACEPTION		
<i>Aftera</i> <i>AfterPill</i> <i>Curae</i> <i>EContra EZ</i> <i>EContra One-Step</i> <i>Fem Choice</i> <i>Her Style</i> levonorgestrel <i>My Choice</i> <i>My Way</i> <i>New Day</i> <i>Opcon One-Step</i> <i>Option 2</i> <i>Plan B One-Step</i> <i>PostDay One-Step</i> <i>Preventeza</i> <i>React</i> <i>Take Action</i>	Not applicable	Levonorgestrel 1.5 mg tablet x 1
<i>Ella</i>	Not applicable	Ulipristal 30 mg tablet x 1 (progesterone receptor modulator)

Continue to the next page for Non-Oral Contraceptive Options

NON-ORAL ALTERNATIVES TO ORAL CONTRACEPTION

Brand Name Dose/Route/ Cost per year^c	Manufacturer	Estrogen	Progestin
<i>Annovera</i> ¹³ Vaginal ring inserted and left in for 3 weeks and removed for 1 week. Ring should be washed and can be reused for up to 13 cycles. ~\$2,300	TherapeuticsMD	Ethinyl estradiol 13 mcg/day	Segesterone acetate 150 mcg/day
<i>Depo-Provera CF</i> ³ Intramuscular (IM) injection in the gluteal or deltoid muscle once every 3 months (13 weeks). ~\$220 (Pfizer) ~\$160 (generics)	Pfizer multiple generic manufacturers	None	Medroxyprogesterone acetate 150 mg
<i>Depo-SubQ Provera 104</i> ⁴ 0.65 mL (104 mg) subcutaneous injection into the anterior thigh or abdomen, once every 3 months (12 to 14 weeks). ~\$220	Pfizer	None	Medroxyprogesterone acetate 104 mg
<i>Kyleena</i> ² (IUD) ~\$220/year (~1,100/device)	Bayer	None	Levonorgestrel 17.5 mcg/day (after first 24 days of insertion), then reduces to 7.4 mcg/day after five years. Must be removed by the end of the fifth year.
<i>Liletta</i> ¹² (IUD) ~\$110/year (~\$890/device)	AbbVie	None	Levonorgestrel ~20 mcg/day initially then to about 6.5 mcg/day after 8 years. Must be removed by the end of the eighth year. ^b
<i>Mirena</i> ⁶ (IUD) ~\$140/year (~\$1,100/device)	Bayer	None	Levonorgestrel 21 mcg/day (after 24 days, then reduced to about 11 mcg/day after 5 years, and about 7 mcg/day after 8 years. Must be removed after eight years. ^b
<i>Nexplanon</i> ⁵ Implanted subdermally just under the skin at the inner side of the non-dominant arm. ~\$380/year (~\$1,150/implant)	Organon USA	None	Etonogestrel 60 to 70 mcg/day (after about 5 to 6 weeks), then reduces to about 35 to 45 mcg/day at the end of the first year, to about 30 to 40 mcg/day at the end of the second year, and to about 25 to 30 mcg/day at the end of the third year. Must be removed by the end of the third year.

Brand Name Dose/Route/ Cost per year^c	Manufacturer	Estrogen	Progestin
<p><i>NuvaRing</i>,⁷ generics</p> <p>Vaginal ring inserted and left in for 3 weeks, followed by one ring-free week. Repeat cycle with a new ring.</p> <p>~\$2,600 (<i>NuvaRing</i>) ~\$1,820 (<i>Haloette</i>) ~\$1,690 (other generics) ~\$1,365 (<i>EluRyng</i>) ~\$1,040 (<i>EnilloRing</i>)</p>	<p>Organon USA (<i>NuvaRing</i>)</p> <p>Various generics: Amneal (<i>EluRyng</i>), Mayne Pharma (<i>Haloette</i>), Xiromed (<i>EnilloRing</i>), Prasco, Teva, AvKARE, NorthStar</p>	Ethinyl estradiol 15 mcg/day	Etonogestrel (active form of desogestrel) 0.12 mg/day
<p><i>ParaGard</i>¹ (IUD)</p> <p>~\$110/year (~\$1,085/device)</p>	Cooper Surgical	Non-hormonal, copper IUD. Must be removed after ten years.	
<p><i>Phexxi</i>¹⁵ (vaginal gel)</p> <p>One applicatorful up to one hour before each episode of vaginal intercourse. Can be used during any part of the menstrual cycle.</p> <p>~\$350/12 prefilled applicators</p>	Evofem Biosciences	Non-hormonal, lactic acid, citric acid, and potassium bitartrate vaginal gel	
<p><i>Skyla</i>⁸ (IUD)</p> <p>~\$305/year (~\$915/device)</p>	Bayer	None	Levonorgestrel 14 mcg/day (after first 24 days of insertion and declines to 5 mcg/day after three years). Must be removed by the end of the third year.
<p><i>Twirla</i>¹⁴</p> <p>Transdermal patch applied weekly for 3 weeks, followed by one patch-free week.</p> <p>~\$2,500</p>	Agile Therapeutics	Ethinyl estradiol 30 mcg/day	Levonorgestrel 120 mcg/day
<p><i>Xulane</i>,⁹ <i>Zafemy</i>,¹¹ generic</p> <p>Transdermal patch applied weekly for 3 weeks, followed by one patch-free week.^a</p> <p>~\$530</p>	<p>Mylan (<i>Xulane</i>)</p> <p>Amneal (<i>Zafemy</i>)</p>	Ethinyl estradiol 35 mcg/day	Norelgestromin (active form of norgestimate) 150 mcg/day

Abbreviations: BMI = body mass index; EE = ethinyl estradiol; Fe = iron; OTC = over-the-counter.

- Have been used continuously with 12 active patches in a row followed by 7-day patch-free interval.¹⁰
- Must be removed after five years when used to treat heavy menstrual bleeding.^{6,12}
- Pricing based on wholesale acquisition cost (WAC). Medication pricing by Elsevier, accessed February 2024.
- Products contain iron. Note that additional products (identified by “Fe” in their name) in the above chart also contain iron in some of the tablets/capsules.
- Product formulated with folate.

Users of this resource are cautioned to use their own professional judgment and consult any other necessary or appropriate sources prior to making clinical judgments based on the content of this document. Our editors have

researched the information with input from experts, government agencies, and national organizations. Information and internet links in this article were current as of the date of publication.

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