

Obesity & Contraceptive Dosing

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Disclosures

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Expert Working Groups











What determines contraceptive effectiveness?

Drug efficacy x adherence x continuation Fecundability x coital frequency

HOW WELL DOES BIRTH CONTROL WORK?

What is your chance of getting pregnant?

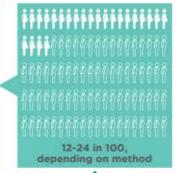














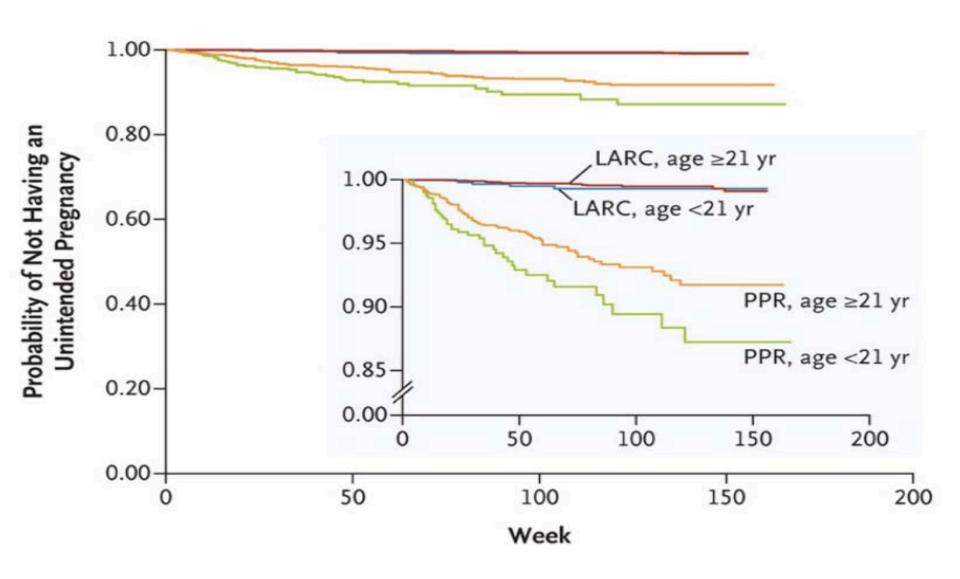






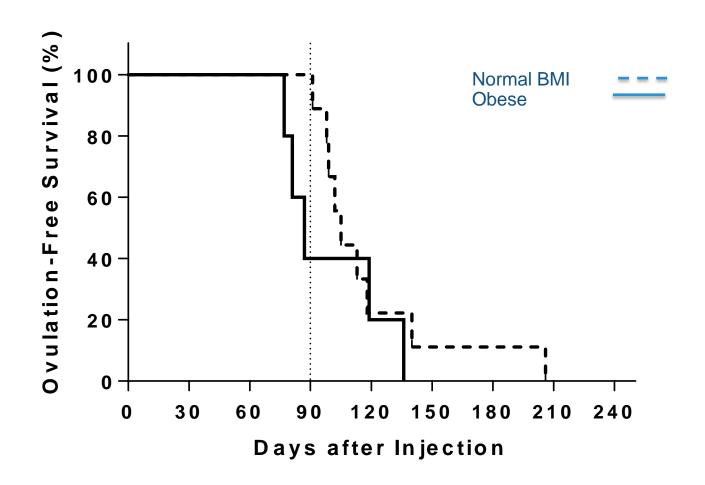
This work by the UCSF School of Medicine Bixby Center and Bedsider is licensed as a Creative Commons Attribution - NonCommercial - NoDeriv 3.0 Unported License, Updated April 2019. FYI, without birth control, over 90 in 100 young people get pregnant in a year.

Short-acting methods = adherence challenges



⁷ Winner, NEJM 2012

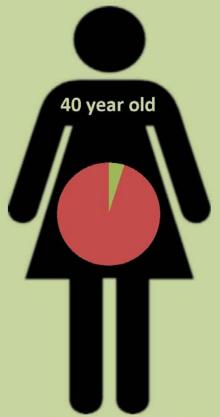
Confirmed Compliance Novel Levonorgestrel Injection



Your chance of pregnancy each month declines with age



A healthy 30-year old woman has about a **20%** chance of getting pregnant each month.

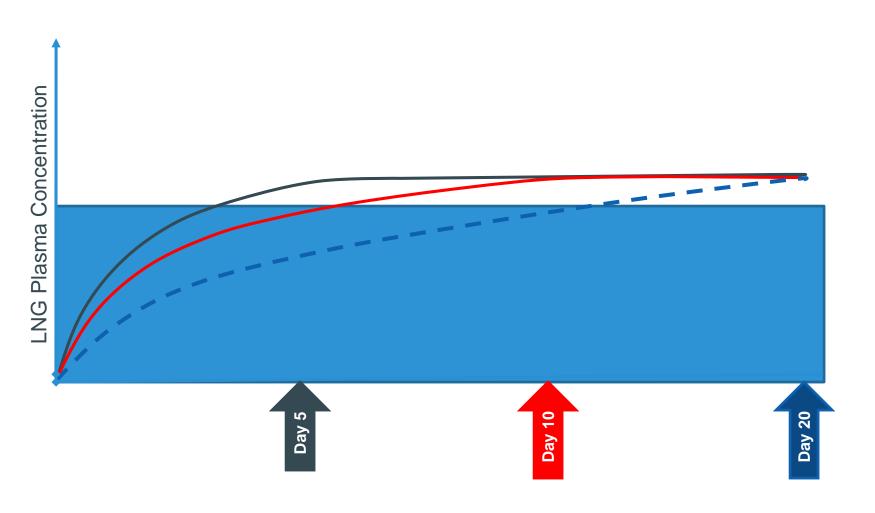


A healthy 40-year old woman has about a **5%** chance of getting pregnant each month.

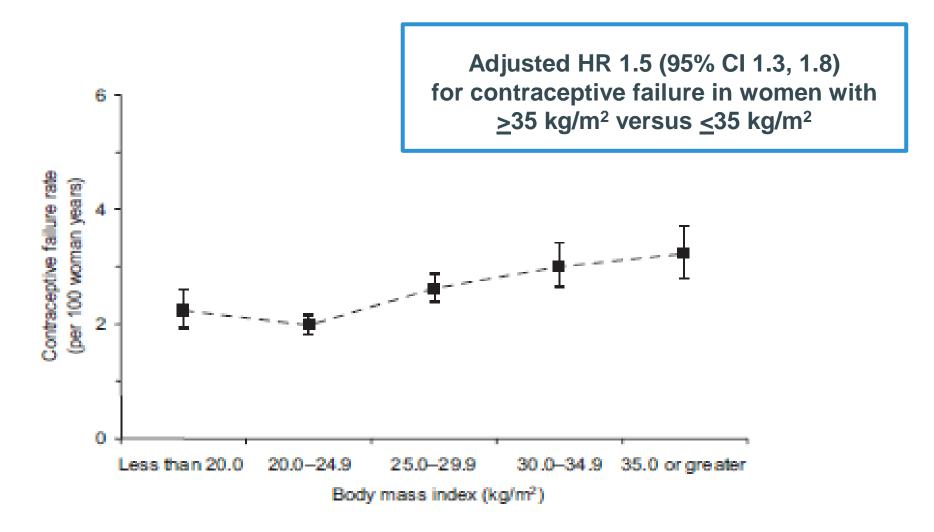
For more information, visit www.reproductivefacts.org



Contraceptive steroid hormone levels & obesity

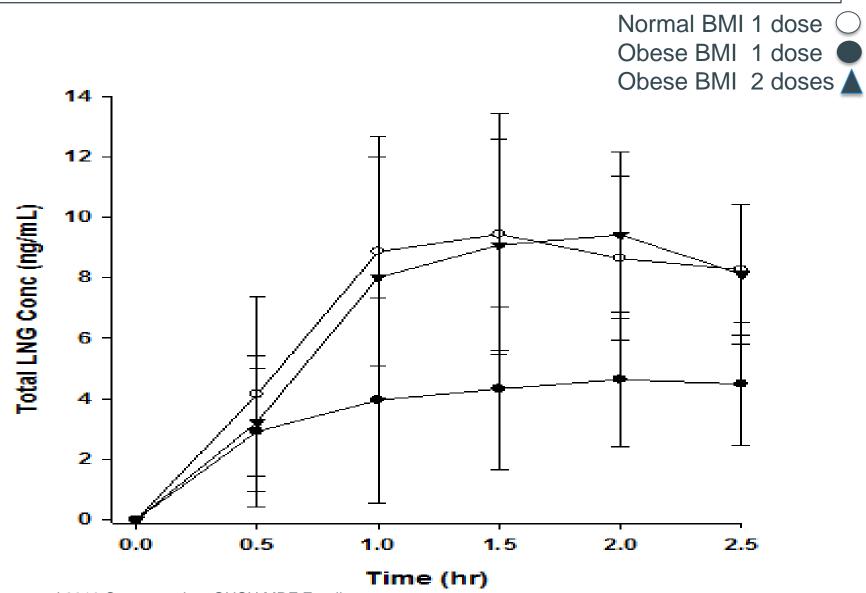


"Pill" failure by BMI

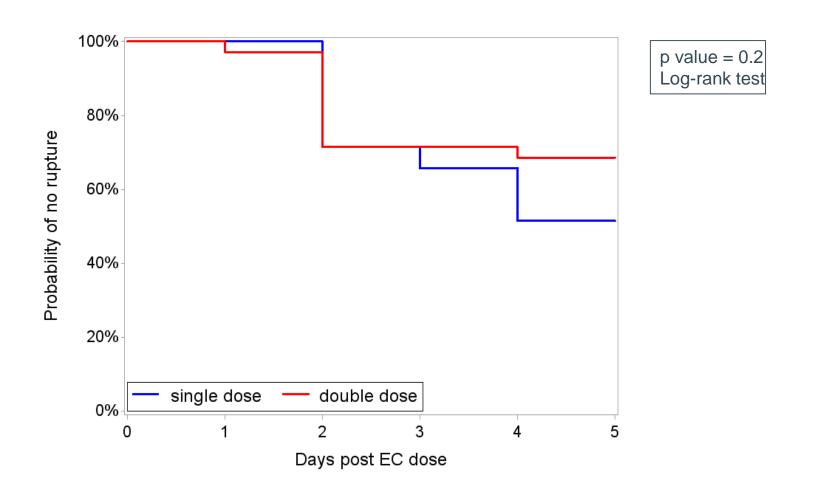




Levonorgestrel Emergency Contraception Single & Double Dosing



Single vs. double dosing LNG EC Time to rupture

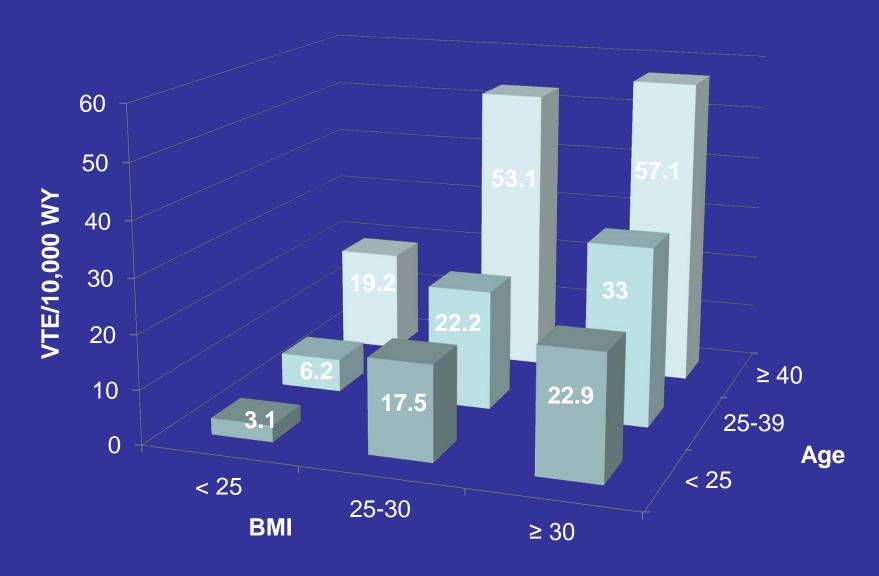


FDA In Brief: FDA issues draft guidance aiming to clarify recommendations for clinical trials for hormonal contraceptives



"Over the years, the FDA has recommended that companies study contraceptives in the most inclusive way possible to help ensure clinical trials reflect how these products are actually used and the latest science around them," said Amy Abernethy, M.D. Ph.D., FDA's principal deputy commissioner of food and drugs. "Today, the agency is issuing, for public comment, a new draft guidance to support innovation and scientific advances in women's health and help ensure contraceptive products are adequately studied. For example, it recommends that clinical trial design for contraceptives should include women of all childbearing ages regardless of their weight, including those who are younger and older, and women who are obese."

Contraceptive Pill: Age, BMI, & VTE Risk





Summary

- 1. Obesity impacts contraceptive steroid levels
- 2. Adherence plays a major role in contraceptive failure
- 3. Values & preferences play key roles in contraceptive choice
- 4. Using contraception prevents more pregnancies than not using contraception.

