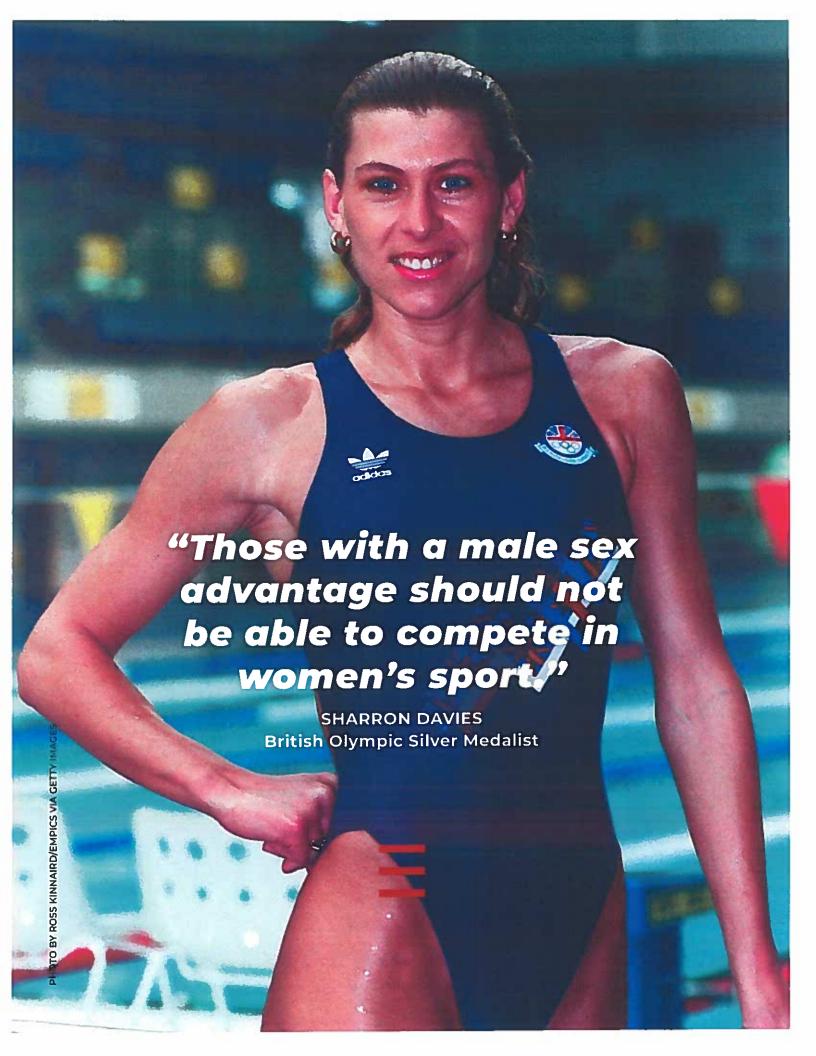
## INPUT FROM ATHLETES

"[T]here will always be significant numbers of boys and men who would beat the best girls and women in head-to-head competition. Claims to the contrary are simply a denial of science."

MARTINA NAVRATILOVA
Winner of 18 Grand Slam Tennis Singles Titles



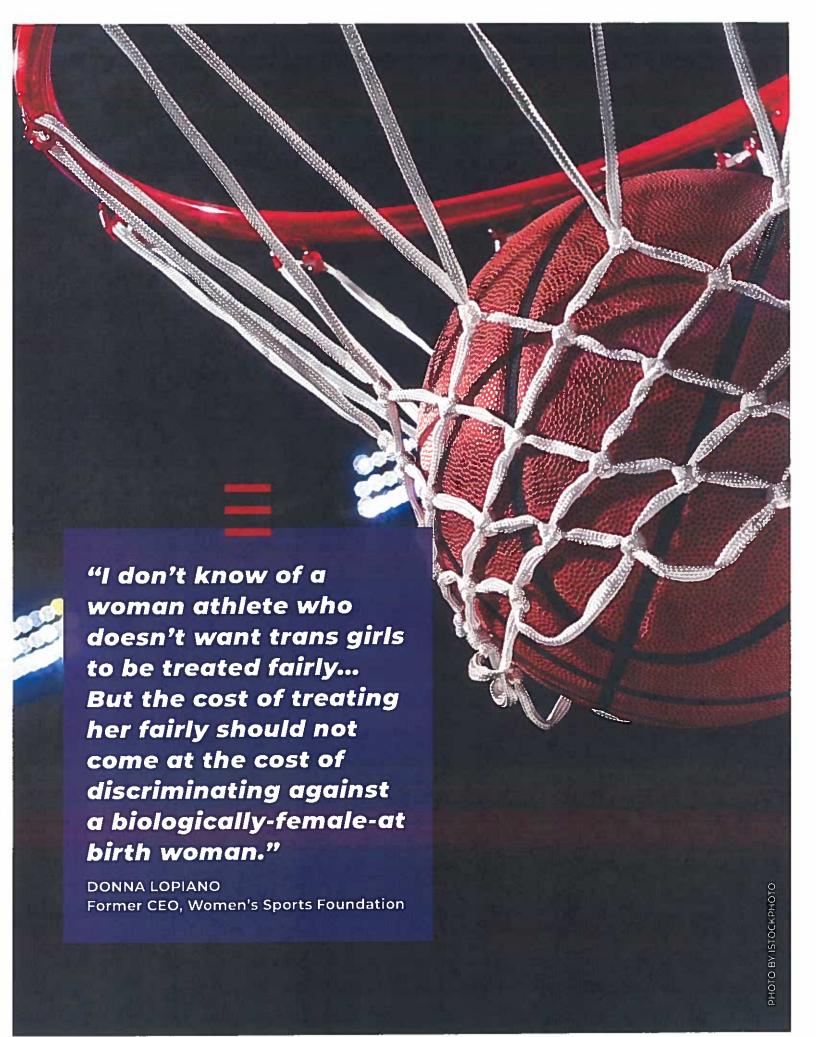


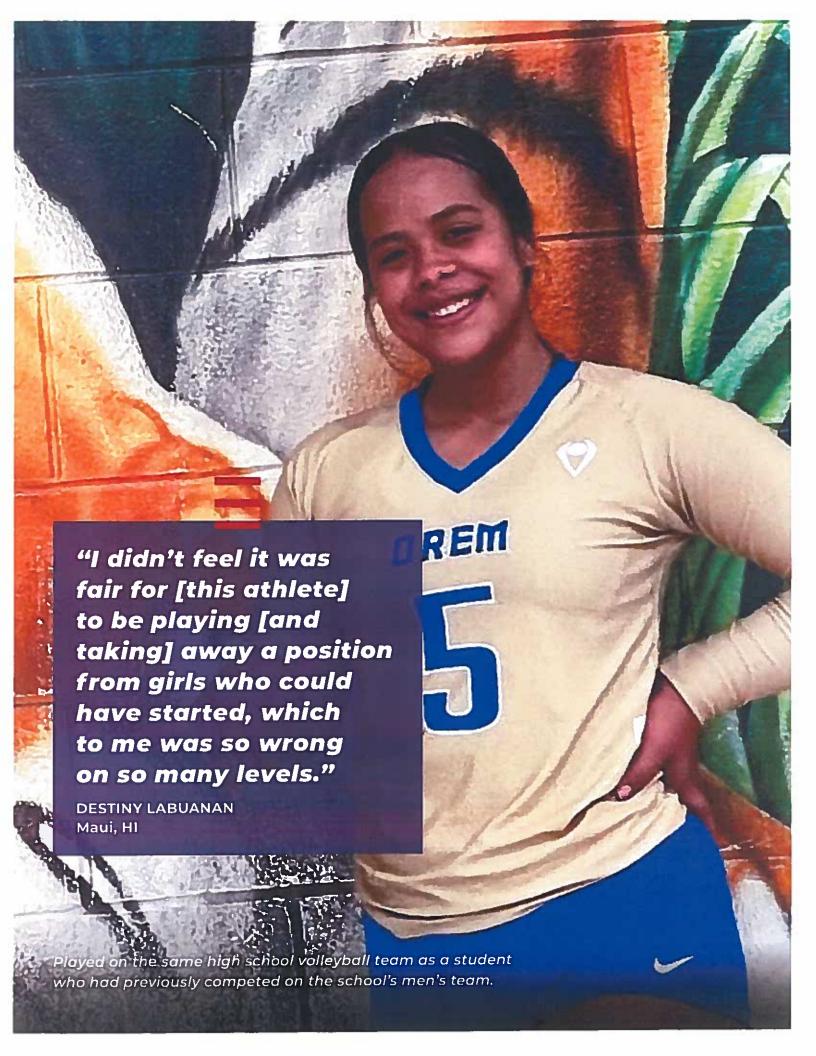


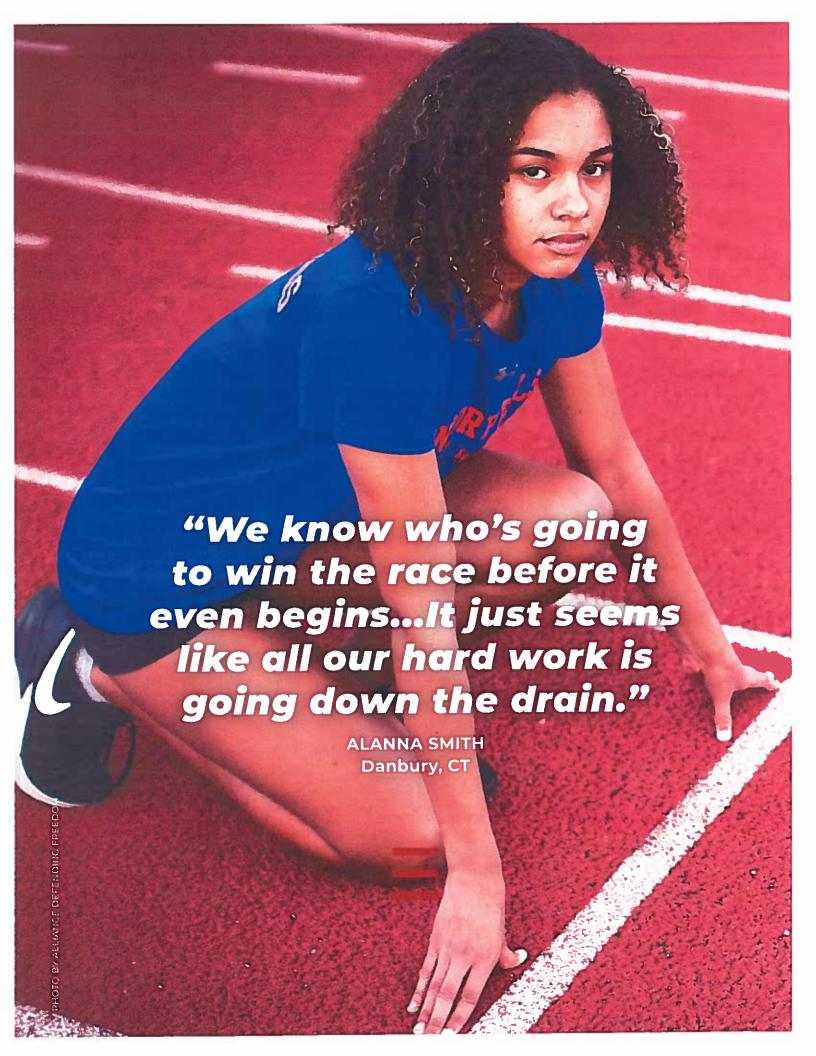
"We're all about equality for women in sport but right now that equality is being taken away from us. . . . Unfortunately, there's nothing we can do because every time we voice it we get told to be quiet."

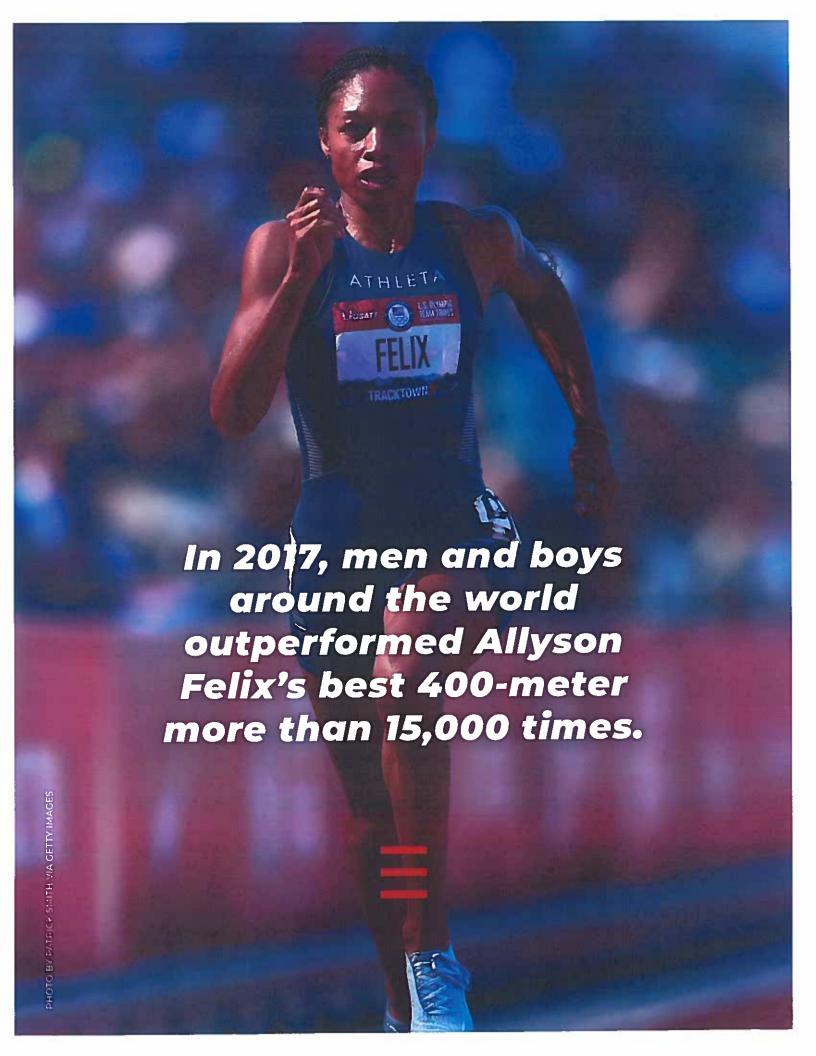
TRACEY LAMBRECHS
Former Women's Olympic Weightlifter (2016 Rio), New Zealand

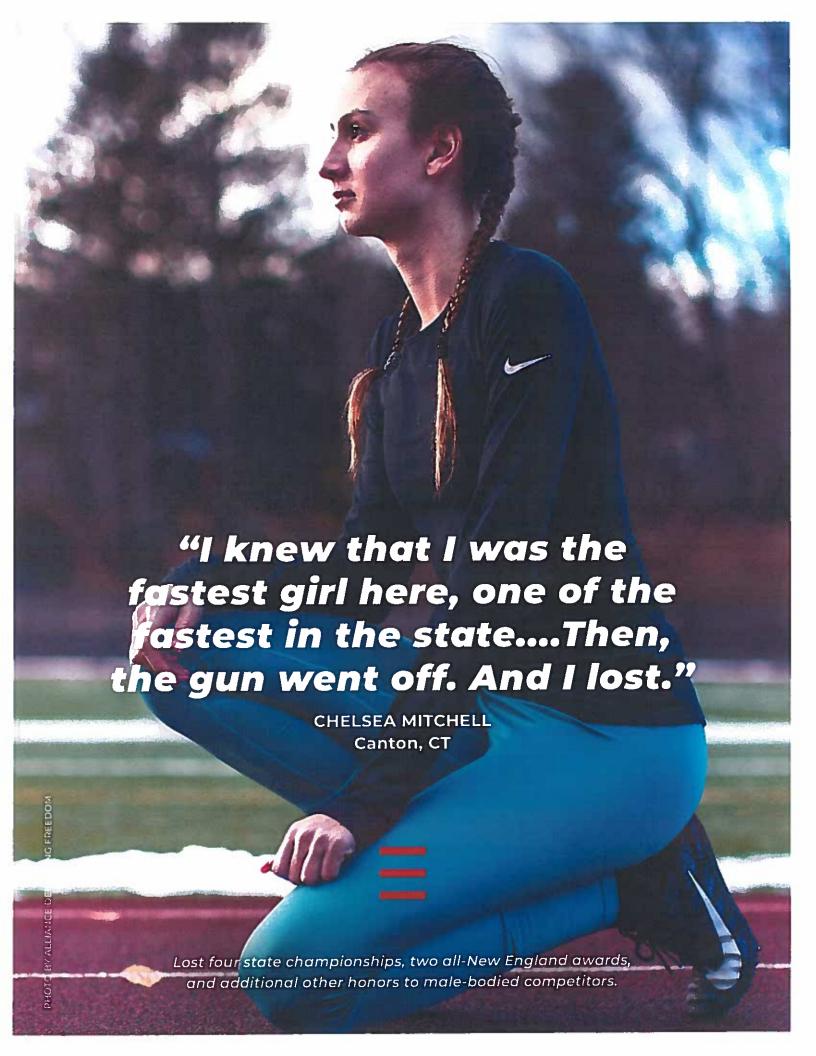
Held several New Zealand national records that were broken by Laurel Hubbard, who formerly competed as a male. NCAA Division II runner CeCe (formerly Craig) Telfer of Franklin Pierce University wins the 400 meter hurdles on May 25, 2019.

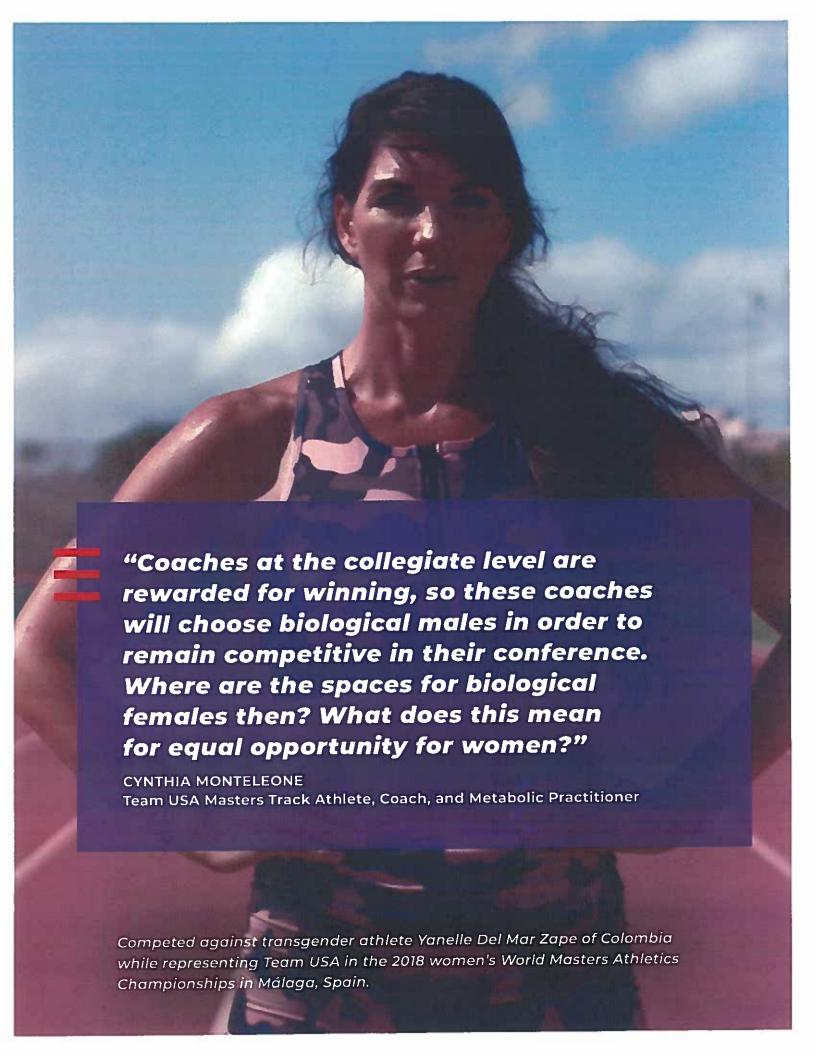


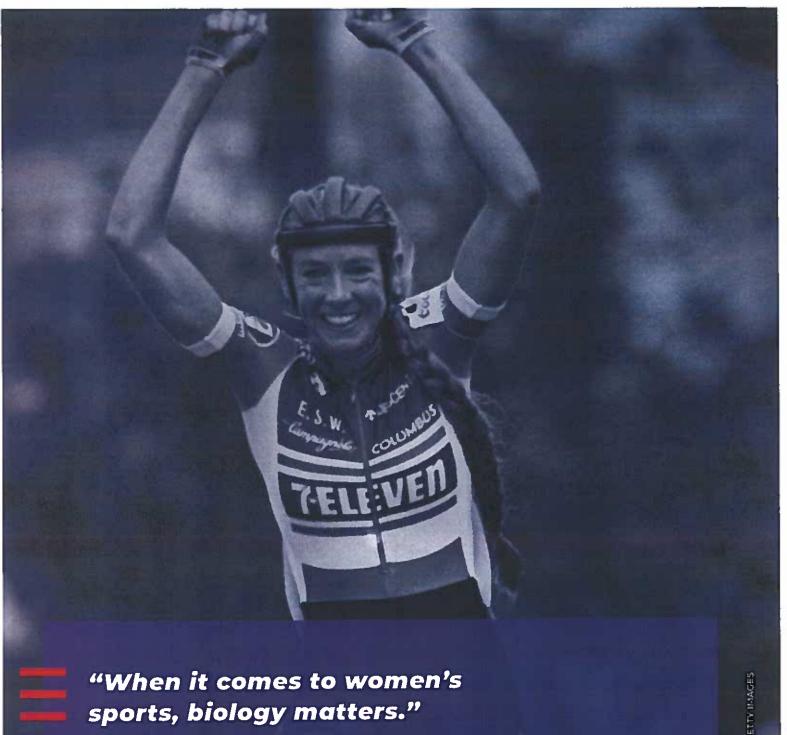










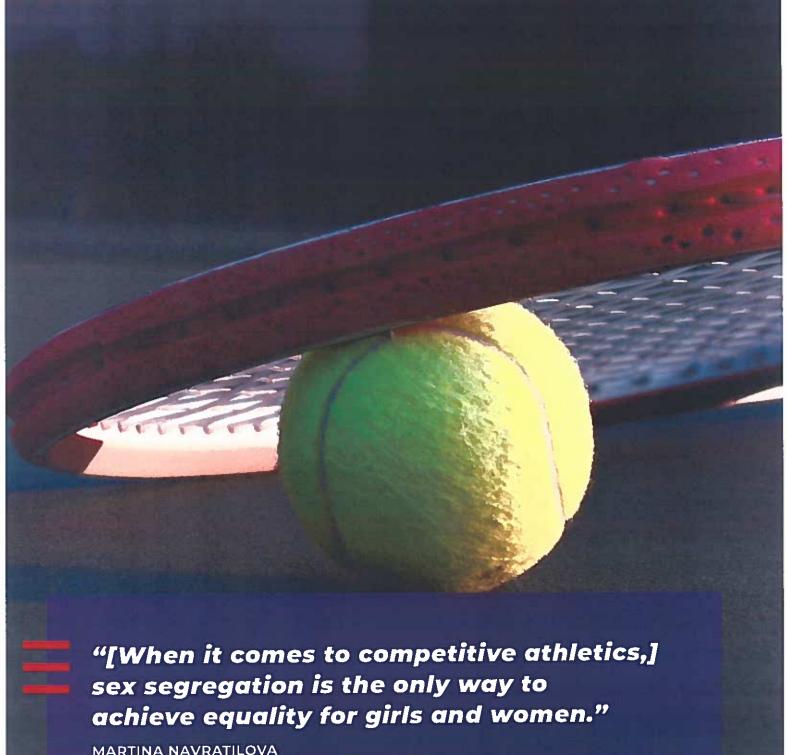


INGA THOMPSON

10x National Champ, 3x Olympian, 3x World Medalist, 2x

Podium Finisher in the Women's Tour de France

Competed at the 1984, 1988, and 1992 Olympic Games.



MARTINA NAVRATILOVA
Winner of 18 Grand Slam Tennis Singles Titles

## THE SCIENCE

#### THE BRITISH MEDICINE JOURNAL



**Objective**: To examine the effect of gender-affirming hormones on athletic performance among transwomen and transmen.



**Findings**: The 15–31% athletic advantage for transwomen pre-therapy.

9% faster mean run speed in transwomen after the 1 year period of testosterone suppression that is recommended by World Athletics for inclusion in women's events.

#### THE HILTON LUNDBERG STUDY



**Objective**: Review how differences in biological characteristics between biological males and females affect sporting performance and assess whether evidence exists to support the assumption that testosterone suppression in transgender women removes the male performance advantage and thus delivers fair and safe competition.



**Findings**: The performance gap between males and females becomes significant at puberty

10-50% depending on the sport

Strength, lean body mass, muscle size, and bone density are only trivially affected by testoreone suppression

### THEDATA

#### **DUKE LAW**



**Objective**: Comparing athletic performances between the best elite women to boys and men



**Findings**: Female bodied athletes are not competitive for the win against males. The lowest end of the male range is three times higher than the highest end of the female range.

TABLE 4						
Event	Best Women's Result	Best Boys' Result	Best Men's Result	# of Boys Outperforming	# of Men Outperforming	Instances of Men Outperforming
100 Meters	10.71	10.15	9.69	124+	2,474	10,009
200 Meters	21.77	20.51	19.77	182	2,920	8,993
400 Meters	49.46	45.38	43.62	285	4,341	13,898
800 Meters	1:55.16*	1:46.3	1:43.10	201+	3,992+	12,285+
1500 Meters	3:56.14	3:37.43	3:28.80	101+	3,216+	8,251+
3000 Meters	8:23.14	7:38.90	7:28.73	30	1307+	1,784+
5000 Meters	14:18.37	12:55.58	12:55.23	15	1,243	2,140
High Jump	2.06 meters	2.25 meters	2.40 meters	28	777	2,741
Pole Vault	4.91 meters	5.31 meters	6.00 meters	10	684	2,981
Long Jump	7.13 meters	7.88 meters	8.65 meters	74	1,652	4,801
Triple Jump	14.96 meters	17.30 meters	18.11 meters	47	969	3,440

# ACCORDING TO THE COURTS

There are "[i]nherent differences' between men and women," and these differences "remain cause for celebration, but not for denigration of the members of either sex or for artificial constraints on an individual's opportunity."

United States v. Virginia 518 U.S. 515, 533 (1996).

"Because of innate physiological differences, boys and girls are not similarly situated as they enter athletic competition."

Kleczek v. Rhode Island Interscholastic League, Inc. 612 A.2d 734, 738 (R.I. 1992)

"It takes little imagination to realize that were play and competition not separated by sex, the great bulk of the females would quickly be eliminated from participation and denied any meaningful opportunity for athletic involvement."

Cape v. Tenn. Secondary Sch. Athletic Ass'n. 563 F.2d 793, 795 (6th Cir. 1977)