



# PERIOD HEALTH

WOMEN'S  
RUGBY



WORLD  
RUGBY

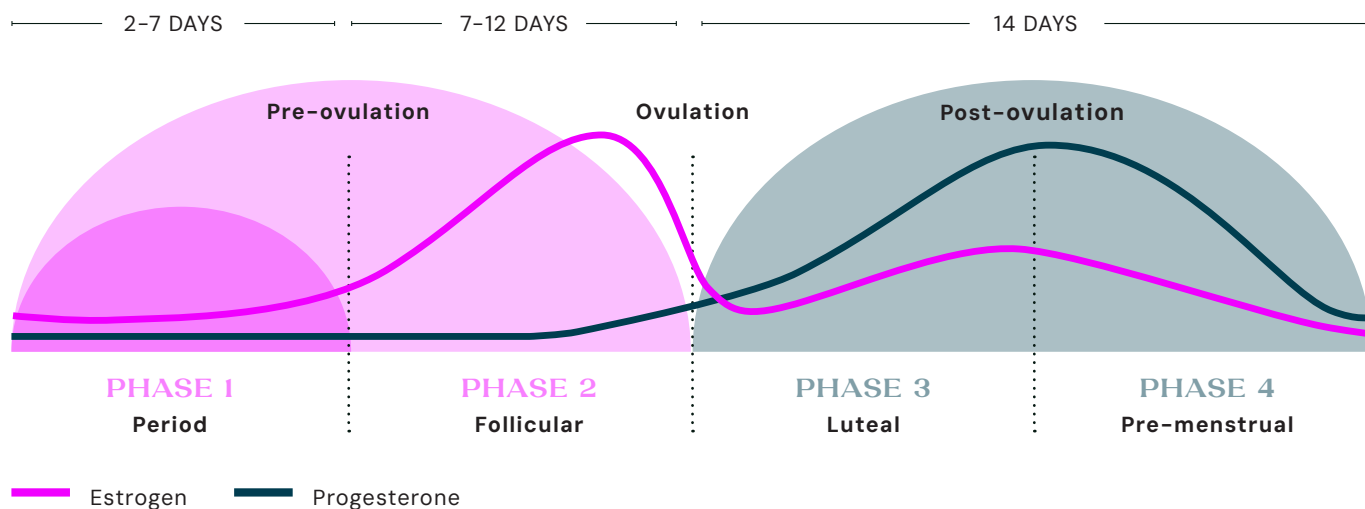
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# WHAT CONTRIBUTES TO GOOD PERIOD HEALTH?

A menstrual cycle is the length of time from the start of one period to the start of the next period.

Day one of the cycle is the first day of bleeding. This bleeding is known as a period, menstruation or menses. Periods are part of the menstrual cycle where due to changes in hormone levels in the body the uterus (found in the lower abdomen) lining sheds and blood and some uterus tissue flows down the cervix and out of the vagina.



## Menstruation is normal

and is a sign of health for most menstruating women



# WHAT IS PERIOD HEALTH?

Having **good period health** has been described as having good physical, mental, and social wellbeing in relation to the menstrual cycle.

In order to have good menstrual health, menstruating women need to:

**1. Have access to appropriate period products and facilities.** This will vary from country to country, but where possible support from clubs and unions can go a long way to making positive changes.



**2. Have appropriate education and understand what is normal and what's not.** Talk to someone in your social circle that you feel comfortable discussing this with, there is also a list of resources at the end of this document that may be useful.



**3. Be able to access timely treatment and resources if necessary.** Education is key to being able to seek help.



**4. Encourage having conversations about periods amongst family, teammates or team staff who you feel comfortable discussing this with.** Research in low to middle income families suggests mothers, female relatives and female friends are the primary sources of information.



# WHAT'S NORMAL AND WHAT'S NOT?

1.

## What's the length of the menstrual cycle?

By the third year of having periods, most menstrual cycles are between 21 and 35 days with an average of 28 days.

If you or a player is having a menstrual cycle that is shorter than 21 days or more than 35 days, or has had no periods for 3 months or more, you should check with a health professional.



### Fear of leaking

"I think it's always in the back of your mind, that you're on your period, especially if you got it at the same time as playing for [your country], you're obviously in white shorts and stuff. It's a big impact for some people but, it's always just in the back of your mind."

2.

## What's the length of the period?

A period can last between 3–7 days with an average length of 5 days. If bleeding is less than 2 days or greater than 7 days you should see a health professional.

3.

## How much should I bleed?

Using 3 to 6 'regular' pads or tampons per day (or up to 16 fully soaked 'regular' pads and tampons throughout the duration of a period) is normal.

Excessive bleeding includes:

- Changing period products every 1–2 hour, particularly if bleeding lasts more than 7 days
- Needing to use 2 period products at one time (e.g. pad and tampon)
- Frequently leaking through period products
- Passing a clot that is larger than approximately 2.5 cm in size.

### Cramps

"Slight cramps, but... they only last about an hour and they're bearable."

# What are the menstrual cycle related symptoms?

**Physical and mental symptoms with your period are very common.**

It is normal to experience symptoms in the couple of days leading up to your period and the first couple of days following your period starting.

However, in reality different symptoms (good and bad) can occur across the menstrual cycle.

Experiences of the menstrual cycle are very individual. That's why empathy is key to helping menstruating people. One person might have very few and mild symptoms and other people might have a number of symptoms and may struggle to manage them.

There are lots of different symptoms. These include:



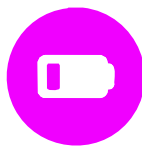
Abdominal pain



Back pain



Bloating



Fatigue



Breast pain



Short tempered



Changes in appetite



Trouble sleeping



Feeling emotional



Changes in bathroom habits and function



Changes in motivation



Coordination



Sickness



Nausea

## Management Strategies

You can always try our lifestyle advice and management strategies on page 9 BUT if symptoms are not manageable and affecting your daily life, then get help from a medical professional.

### Fear of leaking

"I'd say it's a bit of a distraction from training, just in the sense of fear from flooding through."

# How does the menstrual cycle affect your game performance?

**40% – 85%**

of athletes say that these symptoms can negatively affect their training or competition performance in some way.

**83.5% – 93%**

of rugby players report menstrual cycle or menstruation-related symptoms.

## Track your cycle

Although positive experiences are less well-reported, athletes who track their cycle may find times where they can use their cycle to their advantage. You may be more motivated, have more energy, recover more quickly from training at certain times... use this as your superpower!

## Everyone is different

Everyone is different, be careful of what you read, see or hear in the media or what social media influencers tell you about only doing certain activities or feeling a certain way at a certain part of your cycle.

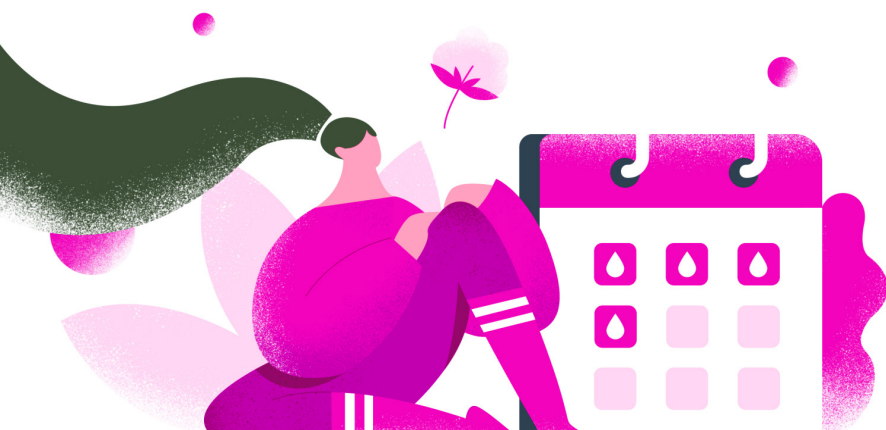
Remember, track your own cycle to know what works for you and what does not.

### Cramps

"Sometimes I'll just be kind of doubled over with pain and then if it's really bad I can't, I won't train. I'll take the day off training."

### Bad periods

"When I have a bad period, once every couple of months or so, it can stop me from completing a high intensity session. And other sessions will not be as productive – sometimes, although rarely, not completed due to cramping and pain."



# What can I do as a rugby athlete to help my cycle and perform at my best?

## Track your cycle

Tracking your cycle and logging symptoms will help you learn about your cycle.

### What should I track?

- Cycle length
- Bleeding length
- Heaviness of bleeding
- Symptoms (both positive and negative) throughout the cycle
- Any performance changes
- Any other factors such as stress, sleep, travel, changes in diet and rugby training as these may affect symptoms you experience.

## Complete

Complete for a minimum of 3 months cycles to see if there is a 'pattern' for you.

- Do you feel stronger at a certain point in your cycle?
- Do you need to be proactive with sleep if feeling more tired than usual?
- Has your cycle changed, become irregular or stopped and you need to seek advice?

## Prepare

Carry period products with you or ask for products. And why not have a conversation with your club about how they could be supportive with this?

## Pre-empt and be proactive

- Try the following lifestyle advice and management strategies to reduce unwanted symptoms.



# THINGS YOU CAN DO TO HELP MANAGE YOUR SYMPTOMS

## 1.

### Exercise and physical activity

Some people can continue their normal exercise or training regimes before and during their period, whilst others may need to change it.

Scientific studies have shown that physical activity, stretching and exercise (e.g. yoga, pilates, walking, aerobic exercise) can help to reduce most physical and mental symptoms.

So you might not feel like going to rugby training, but it may actually help you feel better! Speak to your coach if you feel you need to alter what you do in a session.

## 2.

### Eating a well-balanced diet

A well-balanced diet will help give you more energy, help with bloating, cravings, headaches and may reduce inflammation and therefore pain.

Don't eat too many processed foods such as takeaways, sugary drinks, crisps, chocolate and cake.

Try to eat 5 portions of fruit or vegetables every day, especially when menstruating.

Make sure you know the size of 'a portion' for each food as there will be differences



## 3.

### Have good sleep habits

Good quality sleep is needed for good emotional and physical health and to be at your best for matches, training and other work or social activities you enjoy.

Sleep can help most menstrual related symptoms e.g. reducing feelings of tiredness, irritability, anxiety, cravings, changes in appetite, concentration...

#### Improve sleep length and quality by:

- In the week before your period you may need more sleep.
- Go to bed at the same time each night (unless you need more before or during your period).
- Starting the day with sunlight.
- Exercising during the day or early evening.
- Limiting caffeine, especially in the afternoon and evening.
- Limiting screen time in the evening and especially one hour before bed.
- Ensuring your room is cool, dark and quiet.

## 4.

### Manage stress

The menstrual cycle can become longer or shorter, periods may stop altogether, or symptoms can be worse if your body is under too much physical or emotional stress.

This includes not allowing enough recovery time between training sessions and not refueling enough after matches and training.

#### Reduce stress by:

- Exercising (you've got that one ticked!)
- Eating a well-balanced diet
- Improving sleep habits
- Planning for times you might not be as productive during your cycle
- Socializing
- Using breathing exercises, meditation or mindfulness

Sharing or talking to someone you trust if you are struggling... Work to discover what works for you!

## 5.

### Be kind to yourself!

Understanding the menstrual cycle, periods and the different symptoms that you might experience can help you understand why you might be feeling the way you do.

Tracking your cycle can help you understand when you are experiencing certain symptoms and understand why you feel the way you do. This will allow you to manage your symptoms to limit their impact on your performance.

Understanding that the feelings will pass is sometimes enough!



**Exercise**

"If I'm on my period, if my tummy is crampy and sore, sometimes if I go into exercise that can make it a bit better."

## Don't get caught "off-side",

track and understand your cycle and gain an advantage

# WHAT CAN I DO AS A COACH, PHYSIO OR CLUB VOLUNTEER TO SUPPORT RUGBY ATHLETES?

Simple changes in practices, organization and facilities management could make your club and clubhouse become a more period positive environment, allowing your players to thrive and contribute towards performing at their best.

## 1.

### Education, awareness & approachability

Research suggests that coaches and practitioners feel they could do with more menstrual cycle education. You are taking the right steps by engaging with this! Do not underestimate the difference more education, awareness and understanding can have on your players' experiences.

Having menstrual cycle knowledge makes it easier to discuss and communicate about the menstrual cycle with players – just like you would discuss any other aspect that can affect performance. The more you talk about it, the more you normalize the conversation. Always be aware of the kind of language you use in any conversation.

## 2.

### **Access to period products and spare kit**

Don't make a lack of access to period products a barrier to rugby participation. Period poverty is a real issue within the UK.

In a survey in 2017, 10% of girls in the UK were unable to afford period products. Don't assume your players can afford products.

People who menstruate can be 'caught short' if their periods arrive before they expect or are heavier than they anticipate. Rugby athletes tell us that they are fearful of leaking, which results in players feeling distracted and not fully concentrating on the task of playing or training.

#### **Things you can do:**

- Supply period products in your club house and ensure there is an 'away kit' with period products and spare kit available when playing away from home.
- Ensure period products in your club are easily accessible (young people don't want to ask for products), there are a range of products and absorbencies available, and they are frequently replenished.
- Ensure there are spare underwear available and spare shorts, training kit for home and away games.
- If there is no budget for these, why not ask players to hand in playing kit they have outgrown or no longer use.
- Ask your rugby athletes what products they use and need!

## 3.

### **Toilets and changing facilities**

Toilets should have appropriate bins available within the cubicle where people need to change products. Ideally there should be a sink within the cubicle if players need to rinse a menstrual cup.

## 4.

### **Give rugby athletes choice (where you can) around white and light-coloured shorts**

Research shows that many rugby athletes have a fear of leaking and often have concerns about blood showing through onto shorts and light-coloured shorts.

Many clubs and sports are moving away from light coloured bottoms for girls and women's sports for this reason. However, this is not always the case. The important point is giving athletes the choice and plan accordingly.



# RESEARCH STUDY REFERENCES

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[4] Smith, E.S., Weakley, J., McKay, A.K.A., McCormick, R., Tee, N., Kuikman, M.A., Harris, R., Minahan, C., Buxton, S., Skinner, J., Ackerman, K.E., Elliott–Sale, K.J., Stellingwerff, T. and Burke, L.M. (2024), Minimal influence of the menstrual cycle or hormonal contraceptives on performance in female rugby league athletes. *Eur J Sport Sci*, 24: 1067–1078. DOI: <https://doi.org/10.1002/ejsc.12151>

[5] Brown N, Roldan–Reoyo O, Williams GK, Stodter A, Moore IS, Mackintosh KA, McNarry MA, Williams EM. Profiling hormonal contraceptive use and perceived impact on training and performance in a global sample of women rugby players. *International Journal of Sports Physiology and Performance*. 2023 Jun 23;18(9):937–43. DOI: <https://doi.org/10.1123/ijsp.2023-0137>

## For more information:

[www.nhs.uk/conditions/periods/](http://www.nhs.uk/conditions/periods/)

<https://www.ais.gov.au/fphi/education>

[www.endometriosis-uk.org/](http://www.endometriosis-uk.org/)

<https://www.unicef.org/wash/menstrual-hygiene>

<https://netballher.co.uk/menstrual-cycle/>

<https://www.childrenshospital.org/conditions/female-athletes-and-menstruation>

<https://hpsnz.org.nz/wellbeing-and-engagement/healthy-women-in-performance-sport/the-menstrual-cycle-and-sport/>

## About the Author

Thank you to the Rugby Football Union (RFU) who have granted permission and worked with World Rugby to adapt and modify their Menstrual Health resource.

This resource is based on material written by Dr Laura Forrest from the University of the West of Scotland and with the support of The Royal Society of Edinburgh. Dr Laura Forrest is a Senior Lecturer in Sport and Exercise Science with a research focus of menstrual health in sport and education.