



[HOME](#) [HEALTH CONDITIONS](#) [HOSPITALS](#) [NURSING HOMES](#) [HEALTH PLANS](#)

High Levels of PFCs Might Bring Early Menopause

Study found exposure to chemicals may disrupt a woman's endocrine system

Posted: March 24, 2011



WEDNESDAY, March 23 (HealthDay News) -- Women with higher levels of certain chemicals used in many household products have lower levels of estrogen and are more likely to experience early menopause, a new study finds.

Researchers looked at perfluorocarbons (PFCs), which are endocrine-disrupting chemicals found in products such as toys, clothing, furniture, carpets, paints and plastic food containers. This new study of 25,957 women, aged 18 to 65, found an association between PFC exposure, decreased levels of the female sex hormone estradiol, and early menopause in women over age 42.

The findings appear in the *Journal of Clinical Endocrinology & Metabolism*.

The widespread use of PFCs has led to their presence in water, air, soil, plants, animals and humans. One study found that 98 percent of American adults have measurable concentrations of PFCs, according to background material in the study.

"There is no doubt that there is an association between exposure to PFCs and onset of menopause, but the causality is unclear," study author Sarah Knox, of West Virginia University School of Medicine, said in a journal news release. "Part of the explanation could be that women in these age groups have higher PFC levels because they are no longer losing PFCs with menstrual blood anymore, but it is still clinically disturbing because it would imply that increased PFC exposure is the natural result of menopause."

It's known that PFCs have a number of harmful effects, including increased cardiovascular risk and immune system impairment.

"Our findings suggest that PFCs are associated with endocrine disruption in women and that further research on mechanisms is warranted," Knox said.

More information

The Environmental Working Group has more about [PFCs](#).

Copyright © 2011 U.S. News & World Report LP All rights reserved.
Use of this Web site constitutes acceptance of our Terms and Conditions of Use and Privacy Policy.

Need a loan with a low rate without the high stress?

www.PeoplesMortgage4Me.com



Local News

- **Local News**
- Community News
- Business
- Obituaries
- Opinion
- Lifestyles
- Special Sections
- WV News
- Ohio News
- National News
- International News
- Extras
- Weather
- SUBMIT NEWS
- VIEW news videos

/ News / Local News /
 ◀ Parkersburg still third larg... W.Va. National Guard project...▶

Another C8 study report released

March 25, 2011 - By PAMELA BRUST pbrust@newsandsentinel.com

[Save](#) | [Comments \(6\)](#) | [Post a comment](#) | [SHARE](#)

PARKERSBURG -According to a recently released report from the West Virginia University School of Medicine, Department of Community Medicine, women exposed to higher levels of C8 were more likely to have experienced menopause.

"This paper does not actually report an association between early menopause and exposure to PFOA. The authors do not present any data in this study that would suggest any associations at all between PFOA and endocrine disrupting effects. The study does not demonstrate a statistical correlation between PFOA exposure and the onset of menopause in women between 18 and 42 years of age. If early onset of menopause were to occur, it would be observed in this age group. The authors neither present data nor make such a claim in the paper," said Robin Ollis Stemple, external affairs, Washington Works spokesperson for DuPont.

"The authors state that additional caveats include the fact that information about menopause comes from survey data and was not independently confirmed, nor was it possible to establish the exact age of menopause. Further, the authors reported no association between PFOA exposure and levels of estradiol in any age group," said Janet E. Smith, Global public affairs leader, DuPont Chemicals and Fluoroproducts, DuPont spokesperson.

Nearly 70,000 current and former residents of six area water districts underwent blood tests and interviews as part of a C8 Health Project performed in the settlement of a class action lawsuit brought by local citizens against DuPont Washington Works. The suit related to the discharge of C8 from its plant into the air and water. The suit alleged drinking water was contaminated by the chemical perfluorooctanoic acid (PFOA or C8), which is used in nonstick coatings and stain-resistant fabrics. The court authorized Brookmark Inc., an independent company, to implement a C8 health project, which was done in August 2005-July 2006.


A three-member science panel was named to study C8 and determine whether is a probable link between C8 and human disease. This most recent report is not part of the science panel's findings. The science panel maintains a website and continues to call press conferences when it has additional information to release regarding its ongoing studies.


C8 is the common name given to perfluorooctanoic acid, (sometimes called PFOA).

The WVU School of Medicine has undertaken its own review of the C8 health studies. The most recently released report was published March 16 by the Journal of Clinical Endocrinology & Metabolism.

There were 25,957 women in total tested and interviewed during the health project, with 13,458 women 18-42 years old in the group; 5,782 were in the 42-51 age group and 6,717 were between 51-65 years.

"These data show that after controlling for age within the group, women of perimenopausal and menopausal age in this large



Parkersburg, WV
 **45°F** Extended Forecast
[Find Another Location](#)
Data provided by The Weather Channel ©

News, Blogs & Events

I am looking for:

in:
 News, Blogs & Events Web EZToUse.com



Click here for local business and residential phone listings.

Ads by Google

[Menopause Gone in 24 Hrs](#)
 Learn About Bio-Identical Estrogens Discount Price - Only 75 cents/day

[NY Endometriosis Center](#)
 Endometriosis treatment and gynecologic surgery practice.
www.gynecosurgery.com

[Anti-Aging Specialists.](#)
 Alternative, Naturopathic Medicine Nutrition & Weight Management
MedigenicsLongevityCenter.co

[Natural Estrogen MDs](#)
 The Most Highly Trained Physicians in Natural Estrogen Hormone Therapy
www.BodyLogicMD.com/Natu

[Want PTFE Micropowder?](#)
 Competitive Grades at Competitive \$ Ultraflon™ Replaces Other PTFE's
www.LaurelProducts.com




Sign up at Frova.com to get the FROVA® Instant Savings Card

FRO34W092009

www.FROVA.com Ads by Google

Submit News AND PHOTOS



Click for listings

Estrogen Imbalance?
 Estrogen balance is different for everyone. We can help, naturally.

Ads by Google

population are more likely to have experienced menopause if they have high serum concentrations of PFOS and PFOA than their counterparts with lower levels," according to the WVU report.

The report notes "younger age at menopause and a decrease in the years of endogenous estrogen production have been associated with increased cardiovascular risk." It also notes "the absolute amount of bone loss has been reported to be greater after early menopause than after normal or late menopause."

The report noted caution should be shown in interpreting the findings and more research is needed.

"Current data do not allow us to completely disentangle the issue of causation, and this should be a goal of future research."

"Menstrual flow eliminates some of the PFC in blood and because blood is replaced faster than the toxicant, concentrations measured in menstruating women could be lower than those who aren't menstruating even with the same exposure level," according to the report. "Thus the argument could be made that some of the significance associated with an increased risk of menopause associated with an increased PFC might be due to reverse causation, for example, the disappearance of menses causing increases in PFC concentrations rather than an increase in PFC causing early menopause."

The report notes however even if "reverse causation is a factor, the results would still be cause for alarm because it would imply that increased PFC exposure is the natural result of menopause or hysterectomy."

The objective of the study was to investigate whether PFCs are associated with endocrine disruption in women.

The WVU School of Medicine's website can be found at www.hsc.wvu.edu/som/cmmed/c8/

The website for the C8 Science Panel is www.c8sciencepanel.org.

[Save](#) | [Comments \(6\)](#) | [Post a comment](#) |

[Recommend](#)

Be the first of your friends to recommend this.

[Subscribe to Parkersburg News and Sentinel](#)

Parkersburg News and Sentinel

519 Juliana St. , Parkersburg, WV 26101 | 304-485-1891

© 2011. All rights reserved. | [Terms of Service and Privacy Policy](#)



Insist on Quality, Insist on Affordability,
Insist on Universal Dentistry
Make An Appointment Today!



Universal
Dentistry
has 5 convenient
locations to best serve
our patients:

Bensalem, PA
Turnersville, NJ
Springfield, PA
Allentown, PA
Willow Grove, PA



LIVE EVENT ▶ President Obama to address nation on military involvement in Libya | LIVE at 7:30 p.m.



WPVI-TV PHILADELPHIA, PA

HOME

ACTION NEWS

MOST POPULAR

LOCAL/STATE NEWS

NATION/WORLD NEWS

BIZARRE NEWS

BUSINESS/FINANCE NEWS

CONSUMER NEWS

CRIME NEWS

ENTERTAINMENT NEWS

HEALTHCHECK

PARENTING

RECALLS

SAVING WITH 6ABC

SPECIAL REPORTS

6ABC SPORTS & ESPN

ACTION NEWS MORNINGS

MORE TOPICS +

ACCUWEATHER



46°
M/SUNNY

WEATHER HOME

SCHOOL CLOSINGS

STORMTRACKER 6 RADAR

STREET-LEVEL RADAR

WATCHES AND WARNINGS

MORE TOPICS +

VIDEO & PHOTOS

SEARCH

SEE IT ON TV? CHECK HERE

FOLLOW US



HealthCheck

Teflon chemical linked to early menopause

Sunday, March 27, 2011



TAGS: healthcheck

Comment Now Email Print Report a typo

Action News

March 24, 2011 (WPVI) -- A study from West Virginia School of Medicine has sparked new controversy over a key chemical in Teflon.

Related Content

MORE: [Email HealthCheck](#)

MORE: [HealthCheck](#)

MORE: [Science & Tech news](#)

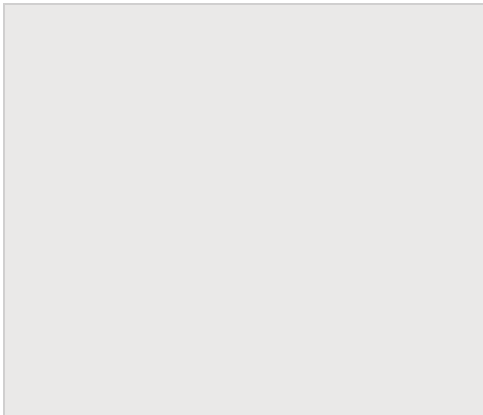
The study, which will be published in the Journal of The Endocrine Society, found that women who have higher levels of perfluorocarbon in their bodies have a higher chance of an early onset to menopause.

PFCs are man-made chemicals used in a wide variety of household products, including food containers, clothing, furniture, carpets and paints. They are so widely used, and so ever-present in the atmosphere that samples show 98 percent of all Americans have some levels of them in their blood.

They are believed to alter the way some hormones work in the human body.

Sarah Knox, Ph.D., of the West Virginia University School of Medicine and lead author of the study, says, "The current study is the largest ever to be done on the endocrine-disrupting effects of perfluorocarbons in human women."

ADVERTISEMENT



Share this Story

Share 11 1 retweet Buzz 0


Recommend

You recommend Teflon chemical linked to early menopause | 6abc.com. Undo · Admin Page · Insights · Error

News Headlines Video abcNEWS

- 5 charged in coloring book conspiracy 6 min ago
- Sunny, brisk and chilly today
- See it? Shoot it! Send it!
- Action News on Twitter!
- Police chase briefly shuts part of I-95 NB 58 min ago
- Police: Woman abducted during home invasion 11 min ago
- Man arrested for Montco hit-and-run
- Clown charged with raping girl in California
- Witnesses sought in deadly NJ hit-and-run
- Police: Woman robbed stores, slashed worker
- Body found in Cumberland County woods
- Disney cruise ship returns, but still no sign of worker

ADVERTISEMENT

- ACTION NEWS ONLINE
- LIVE VIDEO HOME
- VIDEO HOME
- PHOTO GALLERY HOME
- SENDIT.6ABC.COM
- MORE TOPICS +
- RESOURCES** 
- TRAFFIC HOME
- COMMUNITY CALENDAR
- CONTACT US/INSIDE 6ABC
- CONTESTS & PROMOTIONS
- GARAGE SALES
- LEGAL HELP CENTER
- NEWSLETTERS SIGN-UP
- ABC SHOWS
- 6ABC TV SCHEDULE/PROGRAMS
- LIVE WELL NETWORK
- DOWNLOADS & APPS
- MORE TOPICS +
- MARKETPLACE**
- 6ABC ONLINE MALL
- CLASSIFIEDS
- GET COUPONS
- PHILADELPHIA AREA JOBS

She says her study of nearly 26,000 women between the ages of 18 and 65 showed an association between higher exposures to the chemical, lower levels of the female hormone estradiol and early menopause in women over the age of 42.

PFCs are known to have health risks, including higher cardiovascular risk and a suppressed immune system.

(Copyright ©2011 WPVI-TV/DT. All Rights Reserved.)

[Get more HealthCheck »](#)

TAGS: [healthcheck](#)

[Comment Now](#) [Email](#) [Print](#) [Report a typo](#) [RSS](#) [Facebook](#) [Twitter](#) [LinkedIn](#) [Google+](#) [StumbleUpon](#)

[Recommend](#)

Confirm

f You recommend **Teflon chemical linked to early menopause | 6abc.com**. [Undo](#) · [Admin](#)
[Page](#) · [Insights](#) · **Error**
You and 11 others recommend this. 11 recommendations.
[Sign Up](#) to see what your friends

Recently Published



Unhealthy health foods

[Comment Now](#) [Share](#)



Teflon chemical linked to early menopause

[Comment Now](#) [Share](#)



Teen recovers from crash to become Eagle Scout

[Comment Now](#) [Share](#)

3 comments

[Post A Comment](#)

1 [AmericanTrinity](#) 3/24/11 5:10 PM EDT

Groovy! Thanks to 'studies' like this, the days of "barefoot, pregnant and in the kitchen" are done for! Oh, and "I like Ike!". [Mark As Violation](#)

2 [janet.e.smith](#) 3/25/11 3:30 PM EDT

This article misuses the Teflon® brand, which is owned by DuPont and used to market a range of products. It should never be used as a generic term for a particular substance, and should never be used as a generic term for nonstick cookware coatings, which are made by a number of companies. For comments on the study reported on in this article, visit http://www2.dupont.com/PFOA2/en_US/pfo... [Mark As Violation](#)

4 [janet.e.smith](#) 3/25/11 3:43 PM EDT

The URL in the comment above was cut off. The complete URL is [http://www2.dupont.com/PFOA2/en_US/pfoa_early_menopause.html#62;-Janet Smith, DuPont](http://www2.dupont.com/PFOA2/en_US/pfoa_early_menopause.html#62;-Janet%20Smith,%20DuPont) [Mark As Violation](#)

- [Parenting Perspective: Senioritis sweeps high schools](#)
- [CONTACT ACTION NEWS](#)

MORE: [Phila. news](#) | [Pa. News](#) | [N.J. news](#) | [Del. news](#) |

[LiveWellHD.com](#) [OnTheRedCarpet.com](#)

Most Popular [Go to Most Popular](#)

Most Viewed Stories



Police: Woman abducted during home invasion

Most Viewed Video



Historic Churchville Inn destroyed by fire

Most Viewed Photos



Police chase ends on I-95 in Bucks Co.

Sponsored Listings

[Mortgage Refinance at 2.67%](#)

\$200,000 mortgage for \$699/month. See Lower Payment NOW - No SSN Reqd. [Refinance.LoanOffers.com](#)

[UnderPaid or Laid Off?](#)

Get Your College Degree Online. You may Qualify for Government Funding! [www.yourdegree.com](#)

[Mortgage Rate Drops to 3.6% FIXED!](#)

\$200,000 loan for \$708/month. Free Quotes - No SSN Rqd. Save \$1000s! [Mortgage.RefinanceFrontier.com](#)

[Buy a link here](#)



Household chemical link to early menopause

Published: March. 24, 2011 at 8:54 PM

MORGANTOWN, W.Va., March 24 (UPI) -- Perfluorocarbons, better known as PFCs, contained in many household products such as food containers are linked to early menopause, U.S. researchers say.

Lead author Sarah Knox of the West Virginia University School of Medicine in Morgantown, W.Va., and colleagues says PFCs are man-made chemicals -- used for water- and stain-repellants -- in a variety of household products including food containers, clothing, furniture, carpets and paints. Their broad use has resulted in widespread dissemination in water, air, soil, plant life, animals and humans, Knox says.

The study involved 25,957 women ages 18-65 who were tested for PFCs and estradiol -- the predominant sex hormone in females. The researchers also determined menopausal status of the study participants.

The study, published in the *Journal of Clinical Endocrinology & Metabolism*, found there was an association between PFC exposure, decreased estradiol and early menopause in women age 42 and older.

"Our data shows that after controlling for age, women of perimenopausal and menopausal age in this large population are more likely to have experienced menopause if they have higher serum concentrations of PFCs than their counterparts with lower levels," Knox says in a statement.

© 2011 United Press International, Inc. All Rights Reserved.



Search



[Register](#)
[Sign In](#)
[Sign In Using Facebook](#)

HOME NEWS HEALTH A-Z HEALTH CENTRES HEALTH TOOLS DIRECTORIES SERVICES WEBSITES BUY ONLINE BLOGS COMMUNITY

DOWNLOADS

[Ads by Google](#)
[Menopause](#)
[Signs of Menopause](#)
[Soy & Menopause](#)
[Herbs for Menopause](#)
[Early Menopause Test](#)

Home » Women Health News

Toxic Chemical C8 and Menopause

by Savitha.C.Muppala on March 24, 2011 at 11:20 PM

Menopause Hormone MDs

The Most Highly Trained Physicians in Menopause Bioidentical Hormones.

BodyLogicMD.com/Menopause

Menopause Gone in 24 Hrs

Learn About Bio-Identical Estrogens Discount Price - Only 75 cents/day

1-Menopause.com

Cervical Cancer Facts

Know The Warning Signs & Symptoms For Cervical Cancer? Get Facts Now!

cervixcancersupport.com

Ads by Google

Google Translate

Select Language

Google Gadgets powered by Google

Teen Health Center



Women Health News RSS

News Comments

1 retweet



Experience life with

AMBEREN

Breakthrough Menopause Treatment

100% NATURAL

TRY IT RISK-FREE



A West Virginia University study has pointed out that women who are exposed to elevated levels of the toxic chemical C8, would in all likelihood have experienced menopause. There is now proof to suggest that the presence of C8 can

hamper the body's hormone system.

The study was able to find a relation between chemicals called perfluorocarbons, or PFCs, in women's blood and the beginning of menopause. Higher levels of these chemicals trigger lower levels of estrogen, scientists found.

Hormone Replacement

Free Consultation for Hormone Replacement Treatments, Start Today

TotalRejuvenation.com

Ask a Toxicologist Online

12 Doctors Are Online. Current Wait Time: 7 Minutes.

Health.JustAnswer.com/Toxicology

Is Mold Making You Sick?

A Professional Inspection Will Give You The Answers You Need!

www.GreyGreyTech.com

Anti-Aging Specialists.

Alternative, Naturopathic Medicine Nutrition & Weight Management

MedigenicsLongevityCenter.com

Ads by Google

Latest News Most Popular Most Commented

- New Zealand Survey Claims New Zealand Accent The Best
- The Worth of Mothers
- No Remedy for Colic in Babies
- Depression Caused By Networking Sites
- Sleep Hormone Under Study for Treatment of Dementia

Quiz on Menopause

What do you know about menopause? Spend 5 minutes on our menopause quiz and find out.

[Start Now](#)

- | | |
|--|--|
| News Quick Links | Special Reports |
| <ul style="list-style-type: none"> • News Central • Latest Health News • News Category (500+) • Popular News • Health News and Press Release • News Photo Gallery • News Video Gallery • News From Other Resources | <ul style="list-style-type: none"> • Health Watch • Health In Focus • Breaking Health News • Celebrating Life • Medindia - Exclusive Release • India Special • Lifestyle and Wellness |

News Archive

Date :

Category :

Keyword :

[Search](#)

Menopause Complete Medindia Resources

Select a News Category

Cancer News

Study Finds Some Women Worry Too Much About Breast Cancer Returning

[Read More](#)

Sarah Knox, lead author of the study and a professor at the WVU School of Medicine's Department of Community Medicine, said, "I think this is major. It shows that early menopause is associated with PFC exposure."