The WRONG way to keep Baby's Milk

- MILK on the window sill
- MANURE PILE
- PRIVY
- GARBAGE
Raw Milk: Personal Choice from a Public Health Perspective

Bill Keene
Oregon Public Health Division
raw milk is...

dangerous

spiritual

silly

expensive

natural

healthy

delicious

illegal

irrelevant

for kooks

bullshit
Raw Milk Facts...The Raw Milk Information Guide You Can Trust!
Curious about organic raw milk and its health benefits? This site will answer all questions you're likely to have about unpasteurized milk and then some!
www.raw-milk-facts.com/ - Cached - Similar
- Find Raw Milk
- What's in Raw Milk
- Health Benefits
- Kefir
- Raw Milk Safety
- Raw Medicine
- Raw Milk FAQ
- About Raw Milk

More results from raw-milk-facts.com »

Want Raw Milk? Find it. Demand it!
Don't Know Where To Turn To Find Raw Milk? The Answers Are Here!
www.raw-milk-facts.com/Want_Raw_Milk.html - Cached - Similar

A CAMPAIGN FOR REAL (RAW) MILK!
A CAMPAIGN FOR REAL MILK: Consumption of clean, unpasteurized, whole milk, and additive-free organic dairy products from old fashioned pasture-fed cows ...
www.realmilk.com/ - Cached - Similar

Where Can I Find Real (Raw) Milk?
RAW MILK CONSUMERS PLEASE NOTE: This list of raw milk sources probably represents only a portion of the raw milk producers in your state. ...
wwwrealmilk.com/where2.html - Cached - Similar
More results from www.realmilk.com
Raw Milk FAQ

Answers to some frequently asked questions about raw milk:

Q: Is all raw milk the same?

A: No! There is a lot of variation due to the many factors that go into its formation. What the cow is fed, how and where it’s raised, how the milk is collected all play important roles in its safety and quality. Cows pastured on organic green grass produce milk with amazing health benefits.

Q: Won’t raw milk make me sick?

A: Not if it is properly collected from cows fed organic grass (and a minimum of grain). Heavy grain diets change the composition of the milk and hinder its ability to protect itself. Grass-fed milk has natural antibiotic properties that help protect it (and those lucky enough to drink it) from pathogenic bacteria. If you’ve been using pasteurized dairy products, you might want to eat small amounts of yogurt or kefir for a week or so, to give your digestive tract a pro-biotic boost, before switching to raw milk.
Raw Milk FACTS

✓ Real raw milk from free-range grass fed cows is a complete food. Nothing needs to be added.
✓ Contains all 20 necessary amino acids.
✓ Strengthens the immune system.
✓ The best source for the natural fats the body loves.

EDUCATE YOURSELVES!

Discover the benefits of Real Raw dairy products and understand the legal battles taking place which seek to keep the sale of Raw Milk a criminal offense.

Want to learn more about Raw Milk? See our FAQ or read the latest press the movement has received.

Press - FAQ - Links
A Prolonged Outbreak of *Escherichia coli* O157:H7 Infections Caused by Commercially Distributed Raw Milk

William E. Keene, Katrina Hedberg, Donald E. Herriott, Dale D. Hancock, Ronald W. McKay, Timothy J. Barrett, and David W. Fleming

HUMAN CAMPYLOBACTERiosis

MORRIS E. POTTER,1+2

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Marcia L. Headrick, DVM MPH
Bahgaleh Timbo, MD DrPH
Karl C. Klontz, MD MPH
S. Benson Werner, MD

At the time of this study, Dr. Headrick was at the Center for Food Safety and Applied Nutrition, Food and Drug Administration (FDA), Washington, DC; she is currently a Veterinary Epidemiologist with the Center for Devices and Radiological Health, FDA, Rockville, MD. Dr. Timbo and Dr. Klontz are with the Epidemiology Branch, Center for Food Safety and Applied Nutrition, FDA, Washington, DC; Dr. Timbo is an Epidemiologist, and Dr. Klontz is a Medical Officer. Dr. Werner is Chief of the Disease Investigation Section, Division of Communicable Disease Control, California Department of Health Services, Berkeley.

Profile of Raw Milk Consumers in California

SYNOPSIS

Objectives. The authors reported this outbreak to determine consumption in California—States—and to describe the characteristics of raw milk consumers in that state. Methods. The authors conducted a Behavioral Risk Factor Surveillance System Survey that asked respondents about whether they drank raw milk, the amount consumed, the reason for drinking raw milk, and where raw milk was most often obtained.

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Acute and Communicable Disease Section, Oregon Health Authority, Portland, and Animal and Plant Health Inspection Service, Department of Agriculture, and Food Safety Division, Department of Agriculture, Salem, Oregon; Field Disease Investigation Unit, Washington State University, Pullman, Washington; Foodborne Disease Laboratory Section, Centers for Disease Control and Prevention, Atlanta, Georgia.
Thomas Jersey Dairy O157 Outbreak

- Identified in April 1993
- 14 lab-confirmed cases over 18 months
- Sales continued despite health department objections
- Legal entanglements eventually killed it
THOMAS JERSEY DAIRY

Drink Milk for Health

GRADE A RAW MILK

THIS PRODUCT HAS NOT BEEN PASTEURIZED

16575 S.W. 85th Ave
TIGARD, OREGON 97223
STATE REQUIRED
WARNING

...MAY CONTAIN DISEASE
PRODUCING ORGANISMS.

THIS MILK DOES
NOT CONTAIN
ANY ADDED
HORMONES OR
PRESERVATIVES
GRADE 'A'
RAW GOAT MILK

THIS PRODUCT HAS NOT BEEN PASTEURIZED
MAY CONTAIN DISEASE PRODUCING ORGANISMS.

32 FL.OZ. (ONE QUART) 946mL
LAKESIDE DAIRY
GRADE A RAW MILK

THIS PRODUCT HAS NOT BEEN PASTEURIZED
MAY CONTAIN DISEASE PRODUCING ORGANISMS

NATURE'S PERFECT FOOD

29838 Nixon Dr. Halsey, OR 97348 (503) 369-2307
Prevalence of Raw Milk Consumption Among Adults by Education

FoodNet Population Survey, 2002
“Did you drink raw milk in the last week?”

Overall, 3.5% said “yes”
100% FRESH APPLE JUICE

DRINK IT & THRIVE™
NO CONCENTRATES
NOT PASTEURIZED
FRESH & PERISHABLE
SHAKE & REFRIGERATE

juice for humans™
©1996 Odwalla, Inc.
CELTIC SHEPHERD CREAMERY

PASTURE RAISED • NO ANTIBIOTICS

Enright Family Farm, LLC
Candy Oregon 97103
Refrigeration required

Kinnitty Cream
Soft Ripened Cheese

cheese. the way it used to be.

FAMILY OWNED & OPERATED

Ingredients: Pasteurized sheep milk, culture, enzymes, salt.
Escherichia coli O157:H7 Infection Associated with Drinking Raw Milk — Washington and Oregon, November–December 2005

During the week of December 5, 2005, public health officials in Clark County, Washington, were notified of four county residents with laboratory-confirmed *Escherichia coli* O157:H7 infection. All four residents reported having consumed raw (i.e., unpasteurized) milk obtained from a farm in neighboring Cowlitz County, Washington. The farm participated in a cow-share program, in which persons purchase interests in, or shares of, dairy cows in return for a portion of the milk produced.* The farm had five dairy cows and regularly provided raw milk to shareholders. Although the sale of raw milk and cow-share agreements are illegal in certain states, they are legal in Washington; however, Washington farms that provide raw milk to consumers must be licensed, meet state milk-production and processing standards, and pass health

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*The owners of Dee Creek Farm in Woodland, Wash., thought they would build their customer base with free-range poultry, but it's the raw milk drinkers that keep business ticking. Thanks in part to the efforts of Lily, one of three milk cows at the farm.*

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Judy Ayit, a cow-sharer and raw milk consumer, picks up raw milk from a drop-off point in Portland. Delivery, perhaps the most anxious part of cow sharing, calls for creativity among investors.
WARNING

Eat at your own risk

These were made from various Nestlé Toll House cookie dough mixes—all of the kind that we expect to be recalled shortly because of possible *E. coli* O157:H7 infection. Thorough cooking should have killed any contaminating bacteria, but we have no way to be sure. All the known cases seem to have eaten raw dough.
Unpasteurized Milk

The Hazards of a Health Fetish

Morris E. Potter, DVM; Arnold F. Kaufmann, DVM; Paul A. Blake, MD; Roger A. Feldman, MD

- Meaningful differences in nutritional value between pasteurized and unpasteurized milk have not been demonstrated, and the benefits of raw milk consumption have not been substantiated.
- The role of unpasteurized dairy products in the transmission of milkborne diseases has been established repeatedly. To effectively discuss the health claims made for raw milk, it is necessary to understand both the rationale used by proponents of raw milk and the magnitude of the risk involved in drinking raw milk.

(JAMA 1984;252:2050-2054)

As the dairy industry began to industrialize in the 1800s, the mass production and distribution of milk and dairy products led to widespread outbreaks of milkborne disease. The greatest perceived milkborne hazards of the time were poor sanitation and handling procedures, as well as diseased dairy cows. Repeated outbreaks of typhoid, scarlet fever, diphtheria, diarrheal disease, and septic sore throat were caused by milk that was produced, transported, and sold under unhygienic conditions.

National problems with contaminated milk led to a movement for the standardization of milk quality and safety. Pasteurization, originally used to prevent milkborne diseases, spread worldwide as other nutritional deficiencies were recognized. The marketing of semi-pasteurized milk became a powerful public health measure. The sanitary concepts of the early 20th century are embodied in the current pasteurization standards in the United States.

Raw (unpasteurized) milk may be certified or uncertified. Certified raw milk is produced in accordance with methods and standards established by the U.S. Food and Drug Administration (FDA). In the United States, the FDA requires raw milk to be pasteurized before consumption. The practice of selling raw milk has been criticized by public health officials and consumer advocates for its potential to cause disease. Recent outbreaks of illness associated with raw milk consumption have raised concerns about the safety of this product.
Regulating Raw Milk: Pros and Con

**Pro**
- Dangerous product
- Hazard not always appreciated by public
- Bans reduce illness
- Medical costs reduced
- No known benefits
- Cheap and safe alternative

**Con**
- Taste?
- Freedom
- Consistency
Survey Shows Gap Between Scientists and the Public

BY CORNELIA DEAN  
JULY 10, 2009

When it comes to climate change, the teaching of evolution and the state of the nation’s research enterprise, there is a large gap between what scientists think and the views of ordinary Americans, a new survey has found.

On the whole, scientists believe American research leads the world. But only 17 percent of the public agrees, and the proportion who name scientific advances as among the United States’ most important achievements has fallen to 27 percent from nearly 50 percent in 1999, the survey found.

And while almost all of the scientists surveyed accept that human beings evolved by natural processes and that human activity, chiefly the burning of fossil fuels, is causing global warming, general public is far less sure.

Almost a third of ordinary Americans say human beings have existed in their current form since the beginning of time, a view held by only 2 percent of the scientists. Only about half of the public agrees that people are behind climate change, and 11 percent does not believe there is any warming at all.

According to the survey, about a third of Americans think there is lively scientific debate on both topics; in fact, there is no credible scientific challenge to the theory of evolution and there is little doubt that human activity is altering the chemistry of the atmosphere in ways that threaten global climate.

The survey, by the Pew Research Center for the People & the Press and the American Association for the Advancement of Science, the world’s largest scientific organization, involved about 2,000 members of the public and 2,500 scientists drawn from the rolls of the science advancement association, which includes teachers, administrators and others involved in science as well as researchers.

The survey, made public Thursday, is available at people-press.org.

It found that at least two-thirds of Americans hold scientists and engineers in high regard, but the feeling is hardly mutual.

The report said 85 percent of science association members surveyed said public ignorance of science was a major problem. And by large margins they deride as only “fair” or “poor” the coverage of science by newspapers and television.

Only 3 percent of the scientists said they “often” spoke to reporters.

In a telephone news conference announcing the survey, Alan I. Leshner, chief executive of the science association, said scientists must find new ways to engage with the public.

“One cannot just exhort ‘we all agree you should agree with us,’ ” Mr. Leshner said. “It’s a much more interactive process that’s involved. It’s time consuming and can be tedious. But it’s very important.”
Is Regulation Necessary?

- Absolute vs. relative risk
- Regulation vs. common law liability
- This is not the 1920s
- Not many cases
- Easy pickings for epidemiologists
- Should we care more about these people’s kids than they do?
‘I did everything I could’

Faith healing | Carl Brent Worthington testifies he was shocked when his daughter, Ava, stopped breathing

By STEVE MAYES
THE OREGONIAN

Carl Brent Worthington said his daughter caught a bad cold, but he never believed the illness imperiled the child’s life or would abruptly end it.

Worthington said that he saw no reason to take the 15-month-old child to a doctor, even though her breathing concerned him and phlegm had to be suctioned from her mouth so she could breathe.

Worthington, who goes by his middle name, and his wife, Raylene, testified Friday in their Clackamas County Circuit Court trial. They are charged with second-degree manslaughter and criminal mistreatment for not providing adequate medical care, resulting in Ava’s death March 2, 2008.

The couple belong to the Followers of Christ, an Oregon City congregation that favors faith healing over medical care.

In hindsight, Worthington said he would not have done anything differently.

“I did everything I could,” he said, adding that the faith-healing treatments were working and there was no need for a physician. The Worthingtons said they were shocked when Ava suddenly stopped breathing.

The couple described their daughter as a petite but chubby child with a playful attitude and an independent streak.

Please see TRIAL, Page B2

Carl Brent Worthington says his daughter was never bothered by a cyst on her neck that doctors said blocked her airway and esophagus.
Milk Truckers Do Not!

Pick up milk at farms where there are cases of diphtheria.

Scarlet fever, infantile paralysis, spinal meningitis, smallpox, typhoid.

Report all cases on your route to...

Food and Drug Administration
Room 11, City Hall
Cleveland, O., 44103