



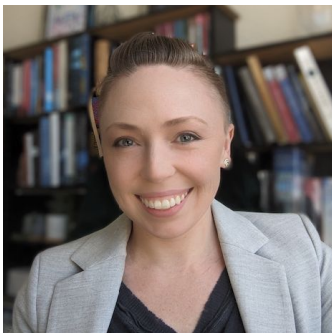
Getting ‘forever chemicals’ out of drinking water

EWG’S GUIDE TO PFAS WATER FILTERS

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Areas of Focus:

Water

Pesticides

PFAS

The Environmental Working Group is a nonprofit, nonpartisan organization dedicated to protecting human health and the environment. EWG's team of scientists, policy experts, lawyers, and communications and data experts:

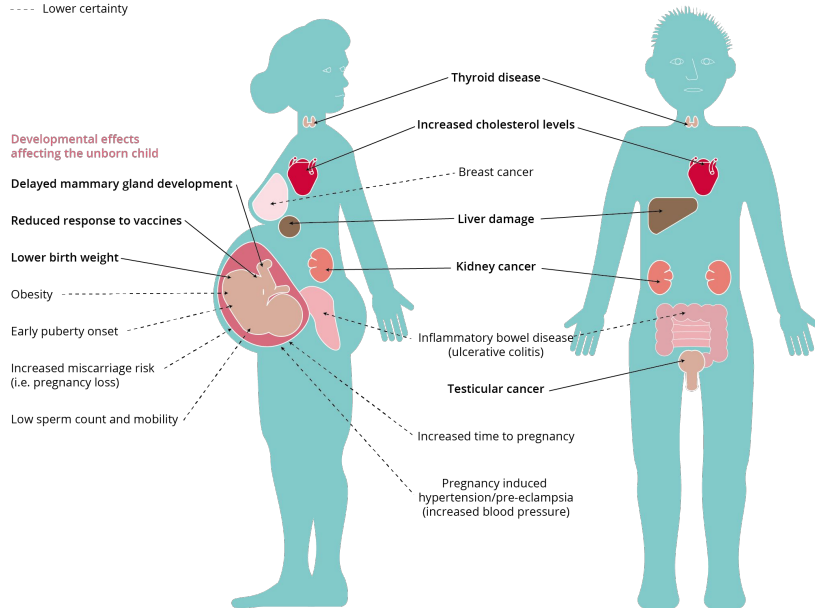
- Work to reform chemical safety and agriculture laws
- Push industries to adopt safer standards
- Educate consumers and inspire demand for safer products



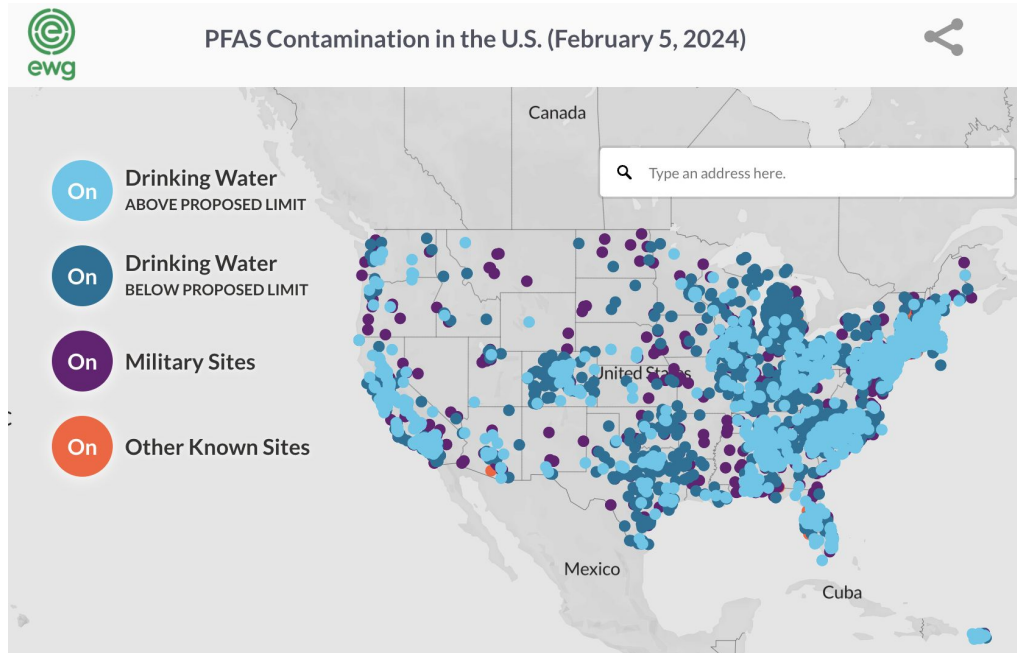
Understanding PFAS and the health risks

— High certainty

- - - Lower certainty

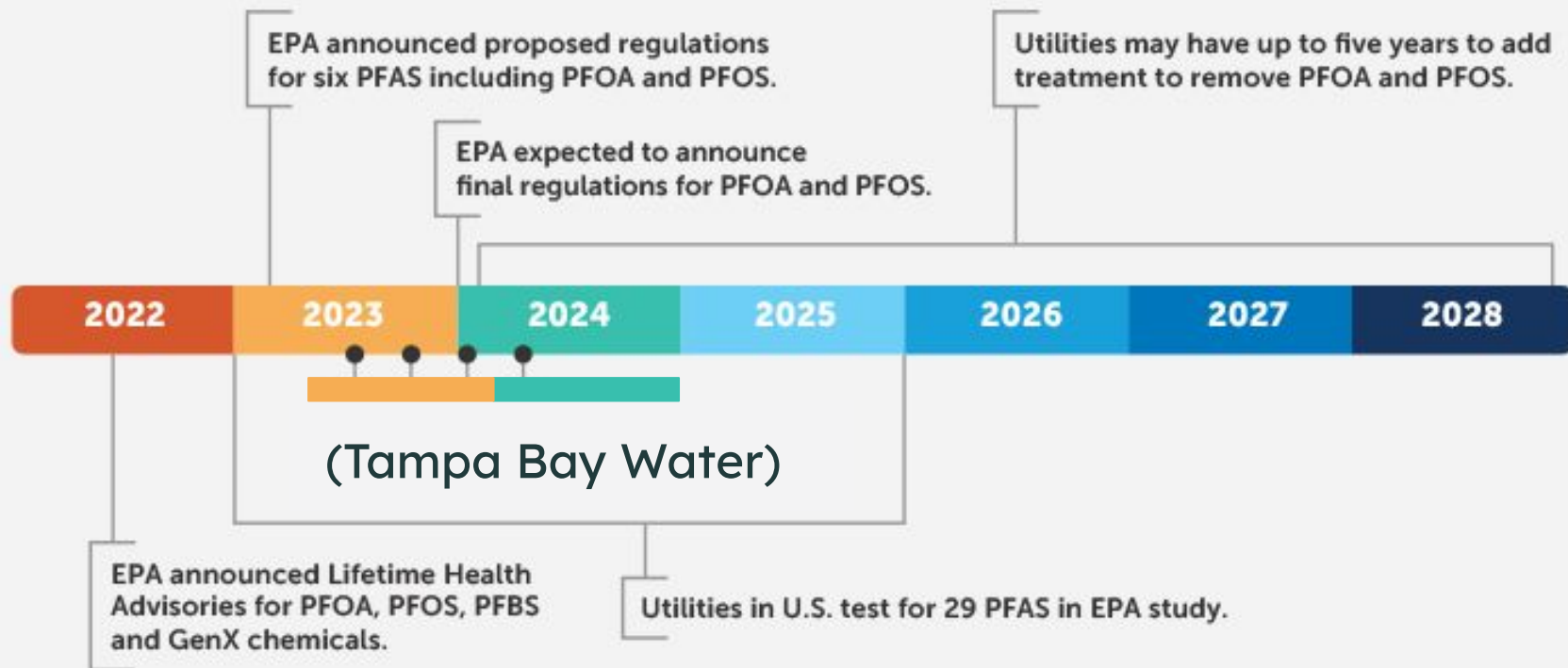


Source: <https://www.eea.europa.eu/signals-archived/signals-2020/infographics/effects-of-pfas-on-human-health/view>

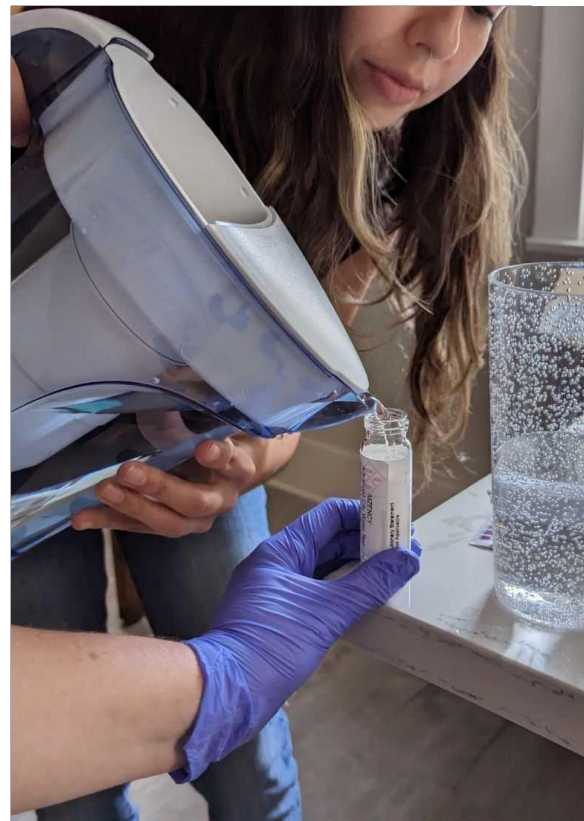


Source: https://www.ewg.org/interactive-maps/pfas_contamination/map/

Timeline for EPA Drinking Water Regulations for PFAS



Methodology



Unfiltered tap concentration	Filter	Filtered concentration
49.0 ppt	Brita	16.6 ppt (-66%)
	Clearly Filtered	ND (-100%)
	Epic Water	1.2 ppt (-98%)
	Seychelle pH2O	25.7 ppt (-48%)
	Zero Water	ND (-100%)
44.1 ppt	AmazonBasics	20.2 ppt (-54%)
	Aquagear	15.5 ppt (-65%)
	Berkey	ND (-100%)
	Brita Elite	34.4 ppt (-22%)
	PUR	9.3 ppt (-79%)

Berkey

KEY STATS: PFAS REDUCTION: 100% | INITIAL COST: \$344.00

OVERALL VALUE: FILTER LIFE: 8+ YEARS (6,000 GALLONS) | ONE-YEAR COST: **\$344.00**

Clearly Filtered

KEY STATS: PFAS REDUCTION: 100% | INITIAL COST: \$90.00

OVERALL VALUE: FILTER LIFE: ~50 DAYS (100 GALLONS) | ONE-YEAR COST: **\$436.50** (INITIAL COST + 7 FILTERS PER YEAR)

Epic Water

KEY STATS: PFAS REDUCTION: 98% | INITIAL COST: \$70.00

OVERALL VALUE: FILTER LIFE: ~75 DAYS (150 GALLONS) | ONE-YEAR COST: **\$247.87** (INITIAL COST + 5 FILTERS)

Zero Water

KEY STATS: PFAS REDUCTION: 100%. | INITIAL COST: \$24.99

OVERALL VALUE: FILTER LIFE: ~10 DAYS (20 GALLONS). | ONE-YEAR COST: **\$646.06** (INITIAL COST + 37 FILTERS/YEAR)

Berkey

“Pros: **Non-plastic design...** exceptionally long filter life...”

“Cons: Very high initial cost”

Clearly Filtered

“Pros: ...clear design... refilling is less frequent.”

“Cons: **...tricky to install the filter correctly...** water passes slowly through the filter... not accessible...”

Epic Water

“... tester’s overall favorite to use... **replacing filters is straightforward...** ”

“Cons: ...has a higher initial cost than some other varieties...”

Zero Water

“Pros: ... low initial cost; replacing filters is simple and quick.”

“Cons: The tradeoff for the low upfront cost is that the filters have a short life and must be replaced often **...need to frequently refill the pitcher.**”

Further Questions

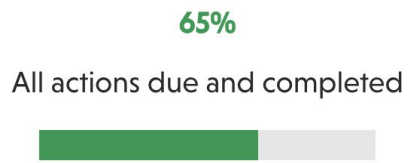
- Filter longevity
- Other contaminants and combined benefits
- Single sample representation
- Impact of regional/water quality variability
- The overall market of filters
- Other types of filters - reverse osmosis, etc.
- Environmental sustainability and use of plastics





RESEARCH

California moves closer to banning toxic 'forever chemicals' in cleaners

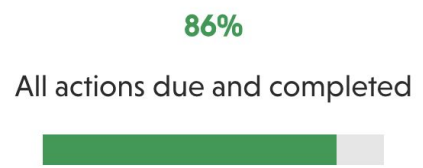


Federal PFAS Report Card

Department of Defense

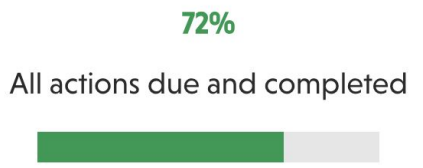
By John E. Reeder (EWG)

State-led momentum: FDA follows suit in getting PFAS out of food contact papers



EPA proposes bold new limits for tackling 'forever chemicals' in drinking water

Department of Energy





Thank you

Know what's in the water you are drinking.

<https://www.ewg.org/research/getting-forever-chemicals-out-drinking-water-ewgs-guide-pfas-water-filters>

https://www.ewg.org/interactive-maps/pfas_contamination/map/

<https://www.ewg.org/peer-reviewed-studies-published-by-ewg-scientists>