

DIRECT FROM CDC ENVIRONMENTAL HEALTH SERVICES

# 2021 Model Aquatic Health Code (4th Edition)

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**ENVIRONMENTAL :** The National Environmental Health Association (NEHA) strives to provide up-to-date and relevant information on environmental health and to build partnerships in the profession. In pursuit of these goals, NEHA features this column on environmental health services from the Centers for Disease Control and Prevention (CDC) in every issue of the *Journal*.

In these columns, authors from CDC's Water, Food, and Environmental Health Services Branch, as well as guest authors, will share insights and information about environmental health programs, trends, issues, and resources. The conclusions in these columns are those of the author(s) and do not necessarily represent the official position of CDC.

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**T**he 2021 Model Aquatic Health Code (MAHC) is the fourth edition of the code, which was first published in 1998. The MAHC is a set of minimum health and safety standards for public swimming facilities, including pools, spas, and water parks. The code is designed to protect the health and safety of swimmers and to ensure that public swimming facilities are safe and enjoyable. The MAHC is based on the latest scientific research and best practices in the field of aquatic health. The code covers a wide range of topics, including water quality, pool and spa maintenance, safety, and emergency preparedness. The MAHC is a valuable resource for public health officials, pool and spa operators, and consumers alike. The code provides a clear and concise set of standards that can be used to assess and improve the health and safety of public swimming facilities. The MAHC is a testament to the commitment of the Centers for Disease Control and Prevention (CDC) to protecting the health and safety of the American people.

Water quality is a critical component of the MAHC. The code sets minimum standards for the chemical and physical quality of water in public swimming facilities. These standards include limits on the concentration of disinfectants, such as chlorine, and on the pH of the water. The code also sets standards for the temperature of the water and for the presence of harmful substances, such as lead and copper. The MAHC also addresses the issue of pool and spa maintenance. The code sets standards for the frequency of pool and spa cleaning, for the use of pool covers, and for the maintenance of pool and spa equipment. The code also sets standards for the safety of public swimming facilities. The code sets standards for the placement of lifeguard stands, for the use of lifeguards, and for the presence of safety equipment, such as life preservers and first aid kits. The MAHC is a comprehensive set of standards that covers all aspects of public swimming facilities. The code is a valuable resource for public health officials, pool and spa operators, and consumers alike. The MAHC is a testament to the commitment of the Centers for Disease Control and Prevention (CDC) to protecting the health and safety of the American people.

**Cyanuric Acid**

Cyanuric acid is a chemical compound that is commonly used in swimming pools and spas as a stabilizer for chlorine. It is a white, crystalline solid that is soluble in water. Cyanuric acid is used to prevent chlorine from being broken down by sunlight, which would otherwise reduce the effectiveness of the chlorine as a disinfectant. The MAHC sets a maximum allowable concentration (MAC) for cyanuric acid in public swimming facilities. The MAC is 100 mg/L. The MAHC also sets a minimum concentration for cyanuric acid in public swimming facilities. The minimum concentration is 30 mg/L. The MAHC also sets a maximum concentration for cyanuric acid in public swimming facilities. The maximum concentration is 1,000 mg/L. The MAHC also sets a maximum concentration for cyanuric acid in public swimming facilities. The maximum concentration is 1,000 mg/L.

The MAHC also addresses the issue of emergency preparedness. The code sets standards for the presence of emergency equipment, such as first aid kits and life preservers, and for the training of lifeguards. The code also sets standards for the placement of lifeguard stands and for the use of lifeguards. The MAHC is a comprehensive set of standards that covers all aspects of public swimming facilities. The code is a valuable resource for public health officials, pool and spa operators, and consumers alike. The MAHC is a testament to the commitment of the Centers for Disease Control and Prevention (CDC) to protecting the health and safety of the American people.

**Giardia**

Giardia is a parasitic protozoan that can cause the illness giardiasis. It is a common cause of waterborne illness in the United States. Giardia is found in the feces of infected humans and animals. The MAHC sets standards for the detection and control of Giardia in public swimming facilities. The code sets a maximum concentration for Giardia in public swimming facilities. The maximum concentration is 100 organisms per liter of water. The MAHC also sets standards for the detection and control of Giardia in public swimming facilities. The code sets a maximum concentration for Giardia in public swimming facilities. The maximum concentration is 100 organisms per liter of water.

# Did You Know?

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