



Revised American National Standard/  
American Dental Association  
**Standard No. 46**

# Dental Patient Chair

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Identical adoption of ISO 6875:2011, *Dentistry — Patient chair*

**ADA** American  
Dental  
Association®

**Standards Committee on Dental Products**

**2016**

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**REVISED AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION  
STANDARD NO. 46 FOR DENTAL PATIENT CHAIR**

The ADA Standards Committee on Dental Products (SCDP) has approved ANSI/ADA Standard No. 46 for Dental Patient Chair. This and other standards for dental materials, instruments and equipment are being formulated by working groups of the ADA SCDP. The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The Committee has adopted the standards, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the standards be approved as American National Standards. The American National Standards Institute granted approval of ADA Standard No. 46 as an American National Standard on June 22, 2016.

The ADA Standards Committee on Dental Products thanks the members of SCDP Working Group 6.35 on Dental Chairs, Units, Stools and the organizations with which they were affiliated at the time the standard was developed:

William Dunn (chairman), US Air Force, Helotes, TX;

Shannon Mills, Previser Corporation, Concord, NH;

Richard Mitchell, University of Kentucky College of Dentistry, Lexington;

James Ragain, University of Tennessee College of Dentistry, Memphis; and

Jeff Zawada, A-dec, Inc., Newberg, OR.

**REVISED AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 46  
FOR DENTAL PATIENT CHAIR**

**FOREWORD**

(This Foreword does not form a part of Revised ANSI/ADA Standard No. 46 for Dental Patient Chair).

This revision of ANSI/ADA Standard No. 46:2004 is an identical adoption of ISO 6875:2011 Dentistry – Patient Chair. SCDP Working Group No. 6.35 on Dental Chairs, Units, Stools examined the International Standard and found it acceptable for adoption. It cancels and replaces ANSI/ADA Standard No. 46:2004, which was a modified adoption of ISO 6875:1995.

## **REVISED AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 46 FOR DENTAL PATIENT CHAIR**

### **1 Scope**

This standard is applicable to all patient chairs, regardless of their construction, and regardless of whether they are operated manually, electrically or by other means, or as a combination of these.

This standard specifies requirements, test methods, manufacturer's information, marking and packaging.

### **2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1942, *Dentistry — Vocabulary*

ISO 4073, *Dentistry — Information system on the location of dental equipment in the working area of the oral health care provider*

ISO 8191-1, *Furniture — Assessment of the ignitability of upholstered furniture — Part 1: Ignition source: smouldering cigarette*

ISO 9687, *Dentistry — Graphical symbols for dental equipment*

ISO 21530, *Dentistry — Materials used for dental equipment surfaces — Determination of resistance to chemical disinfectants*

ISO/IEC 80601-2-60:2012, *Medical electrical equipment — Part 2-60: Particular requirements for basic safety and essential performance of dental equipment*

IEC 60601-1:2005, *Medical electrical equipment — Part 1: General requirements for basic safety and essential performance*

IEC 62366, *Medical devices — Application of usability engineering to medical devices*

IEC 62353, *Medical electrical equipment — Recurrent test and test after repair of medical electrical equipment*

### **3 Terms and definitions**

For the purposes of this document, the terms and definitions given in ISO 1942, ISO 4073, IEC 60601-1 and ISO/IEC 80601-2-60 and the following apply.

#### **3.1 patient chair**

device equipped with a range of movements, designed to support and position the patient for dental treatment

### **4 Classification**

#### **4.1 General**

This classification applies to electrically operated patient chairs only.