# Health warning：iPods could seriously damage your hearing 

Cranking up the music may well be fun，but scientists are unsure how much is too much

by PATRICIA WEN

that shows up anywhere from their 40 s to 60 s，bu how much loud－noise exposure you can sustain
depends on whether you are born with tough depends on whether you are born with tough
or tender ears．Some ears fully recover from an ear－ringing blaring rock concert；others are permanently weakened by it．
Because more men show up complaining
about hearing loss，some doctors concluded that about hearing loss，some doctors concluded that
more men have susceptible ears；however some researchers believe that men＇s ears over the decades are just more exposed to aggravating sounds，such as loud machinery in factories or gunfire in the military
When it comes to setting safe guidelines on a 1970s federal government study of more than 1,000 workers in various industries．They concluded that 8 percent of workers who were exposed to 85 decibels for more than eight hours a day，for 40 years，
It may seem arbitrary to transfer that 85 －decibe level to iPod use，but many audiologists have found it a useful guide．
Fligor，who has authored several studies abou iPod use among teens and young adults，has some
general guidelines for the typical user：Based on available data，he recommends iPod users of any age listen to no more than 90 minutes a day if the volume is set at 80 percent of
capacity－roughly a 90 －decibel level capacity－roughly a 90 －decibel level．
If the volume bar were set at 60 pe which reflects about 75 decibels，Fligor said，one could probably listen＂all day＂ without risking serious damage；if it were set at 90 percent of maximum capacity，or nearly 100 decibels，
about 20 minutes a day
Giving iPod advice is more art than science，and not all doctors are willing to set such specific listening guidelines． Massachusetts Eye and Ear Infirmary in Boston，said she cannot yet give specific recommendations for iPod users－not until more research is done．She said ＂people are all different＂and it is not possible now to estabish safe guidelines Today＇s iPods can be set to automatically limit maximum volume，which Fligor
measures as about 105 decibels． measures as about 105 decibels． Roland Eavey，the former director of pediatric otolaryngology at Massachusetts Eye and Ear
and now chief of otolaryngology at Vanderbil and now chief of otolaryngology at Vanderbilt
University Medical Center in Nashville，said today youth are far too oblivious to the dangers of premature hearing loss
He found that only 8 percent of adolescents
ranked hearing loss as a major heath problent while more than 40 percent saw sexually transmitted diseases，substance abuse，depression， and smoking as serious issues，according to a 200
report that examined attitudes of nearly 10000 report that examined attitudes of nearly 10,000
teenagers and young adults who responded to a Web－based survey posted on MTV．com． That same survey found that 61 percent of them experienced ringing in their ears or some hearing impairment atter a concert，and as perce
after being at a club．Only 14 percent had used after being at a club．Only 14 percent had used related damage can be alleviated，in part，by giving one＇s ear a rest between exposures．
Teenagers who think their ears are immune from damage need only know about the hearing
levels of the Who＇s guitarist Peter Townshend， rock guitarist Jeff Beck．These performers，now in their mid－60s，suffer from permanent noise－related hearing damage and they speak publicly about the need for more ear protections for musicians． ＂Figor，who confesses that he too often loves
eeenagers should remember that the occasional
shriek－filled，booming rock concert is probably
fine．Taking in a favorite hip－hop song at the iPod＇s full volume also isn＇t going to ruin their ears on a given day＂as long as you don＇t listen to more than one song．＂



