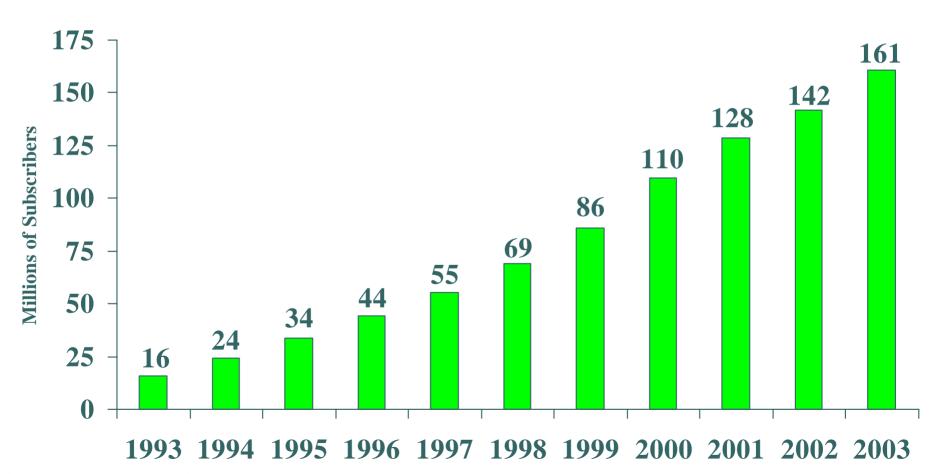


# Wireless and Broadband: Trends and Challenges

Dow Lohnes-Comm Daily Speaker Series Washington, D.C.

October 15, 2004

## Total US Mobile Telephone Wireless Subscribers

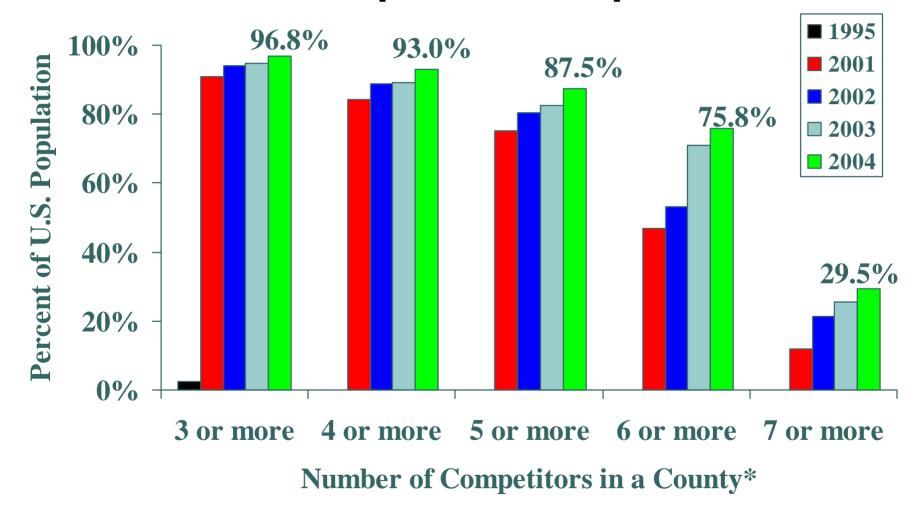


## Wireless Use Today

- 2 Billion messages per month (doubled between 2002 to 2003)
- 25% of users send text messages
- Advanced applications

  - ☆ Ring tones: \$2.5 Billion industry worldwide (2003)

## **Mobile Telephone Competition**



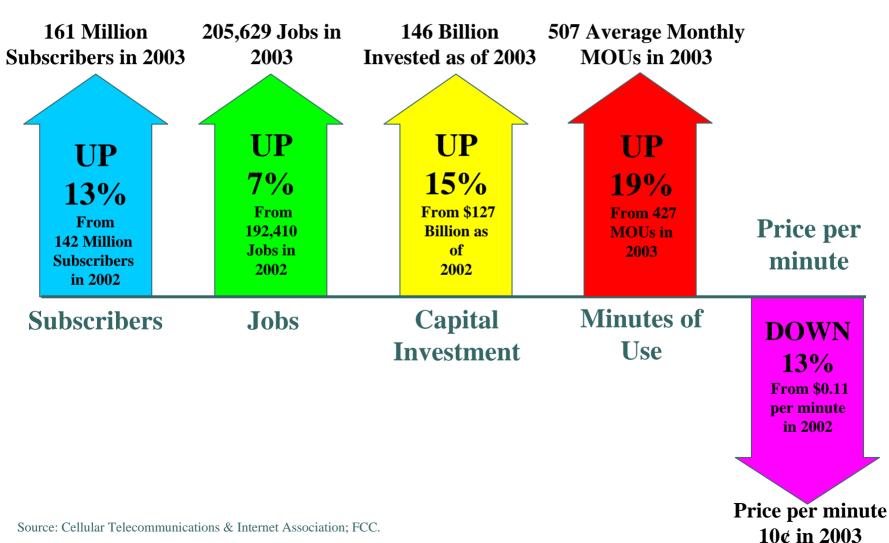
\*Facilities-based competitors

Source: Federal Communications Commission

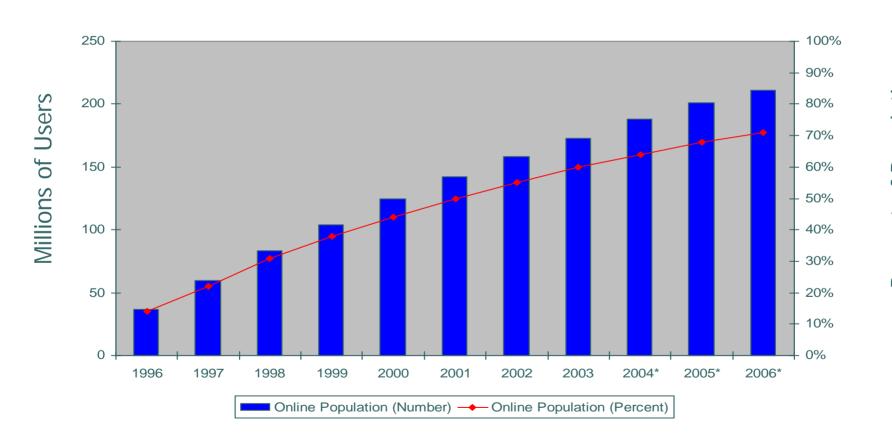


## **Growth in the Mobile Telephone Industry**

(YE2002-YE2003)

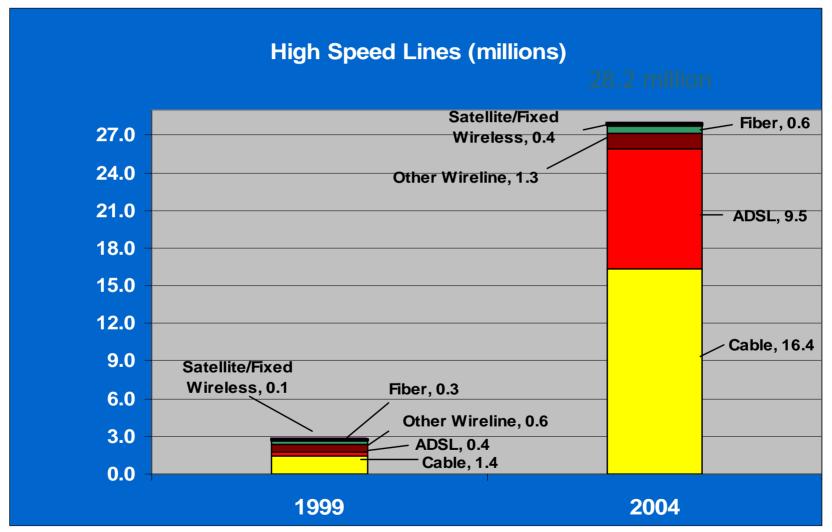


#### Internet Growth—US Households Online

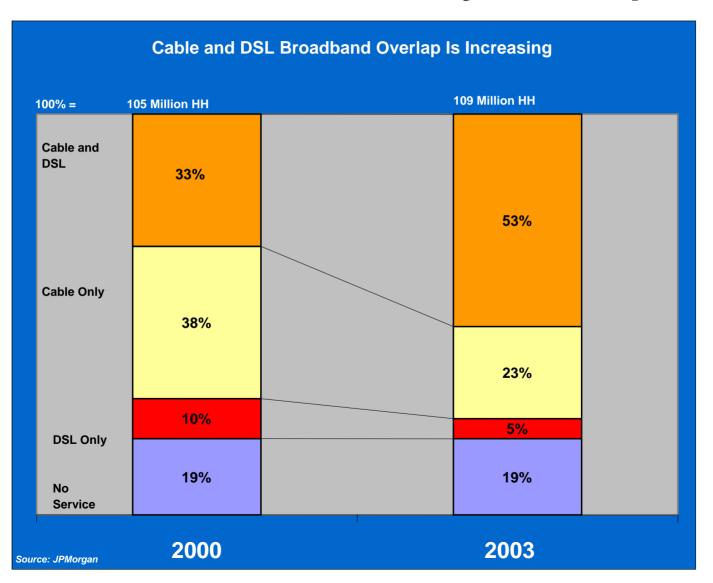




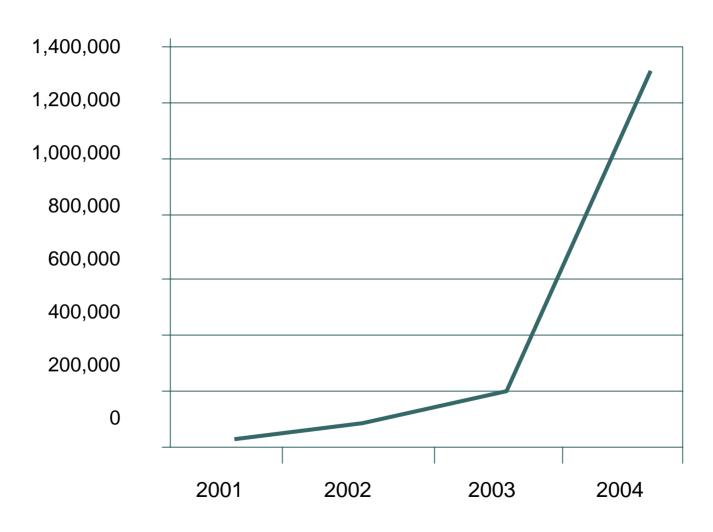
### High Speed Line Growth 1999-2004



## Cable/DSL Availability Overlap



## **FTTH Homes Passed**



#### **COMMON CHALLENGES**

Seen by government as revenue opportunity

Local <u>vs.</u> National service



#### **UNIQUE CHALLENGES**

o Wireless:

**Interference Temperature** 

o Broadband:

**Defining the Mass Market**