

# **Genetic Services Delivery**

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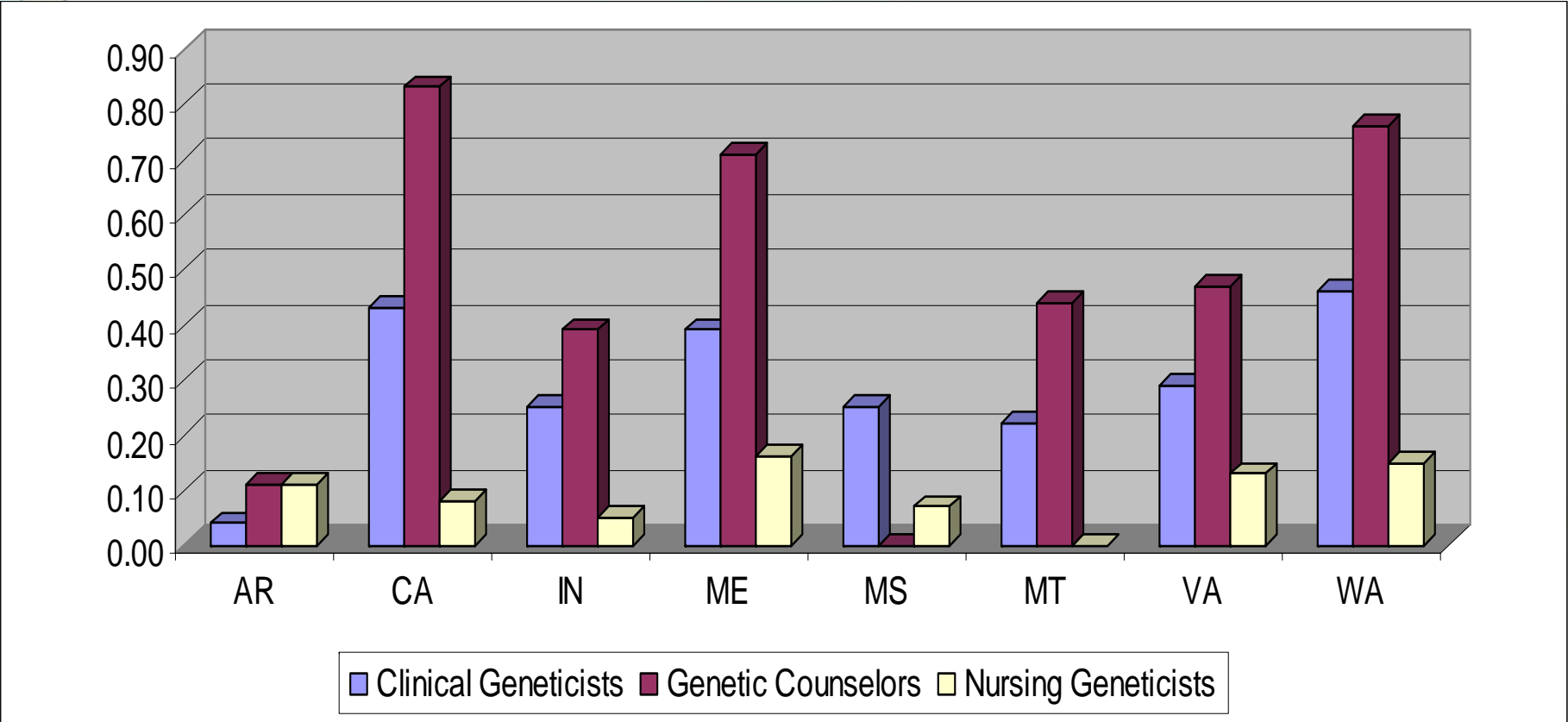
# Overview

- **Who provides services**
- **Where services are provided**
- **When services are provided**
- **Who receives services**

# Providers

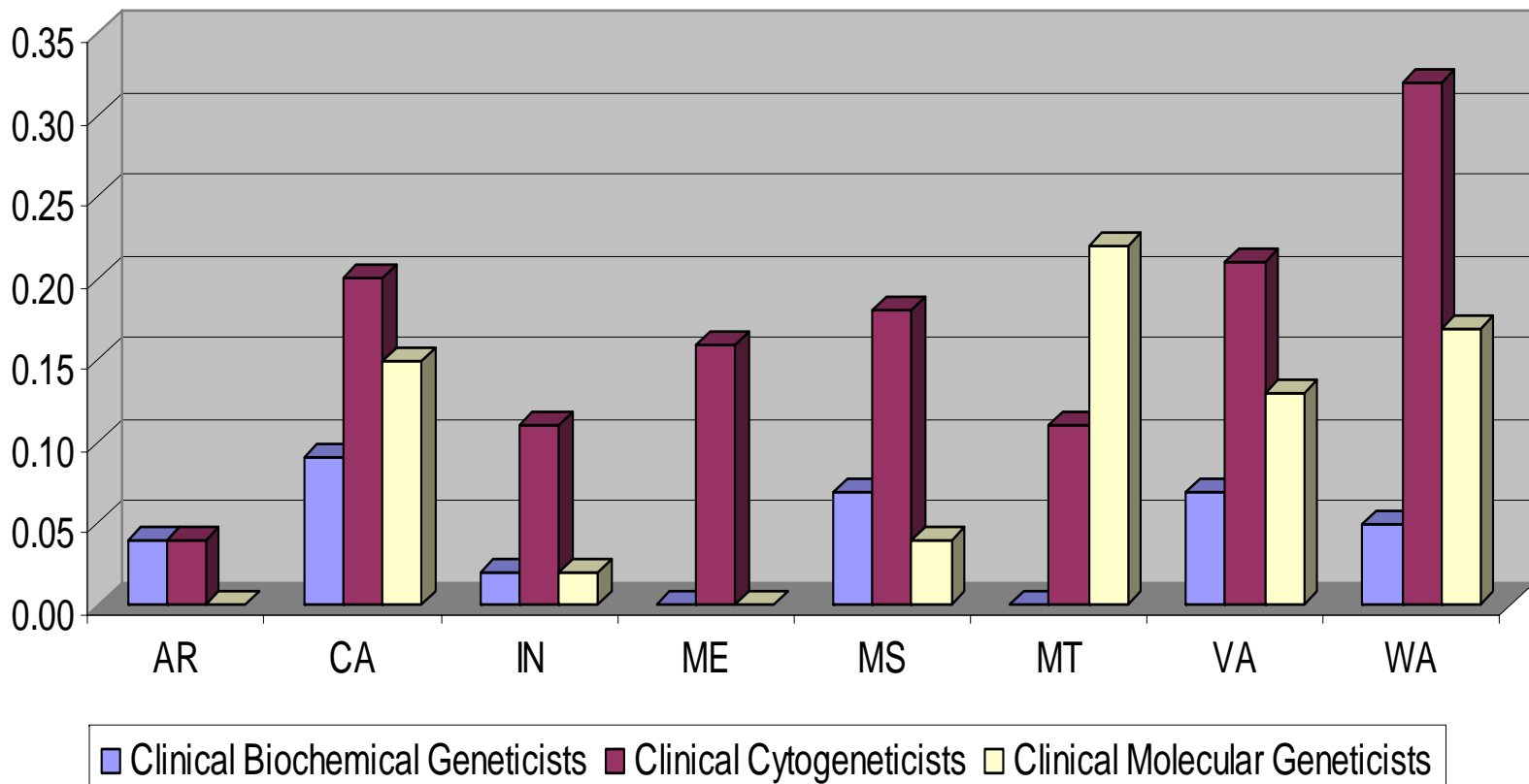
- **Medical geneticists**
- **Genetic Counselors**
- **Nurse Geneticists**
- **Genetic Technologists**
- **MDs**
- **Nurse Practitioners**
- **Nurses**
- **Midwives**
- **Physician Assistants**
- **Social workers**

# Clinical Providers



Per capita—providers per 100,000 population

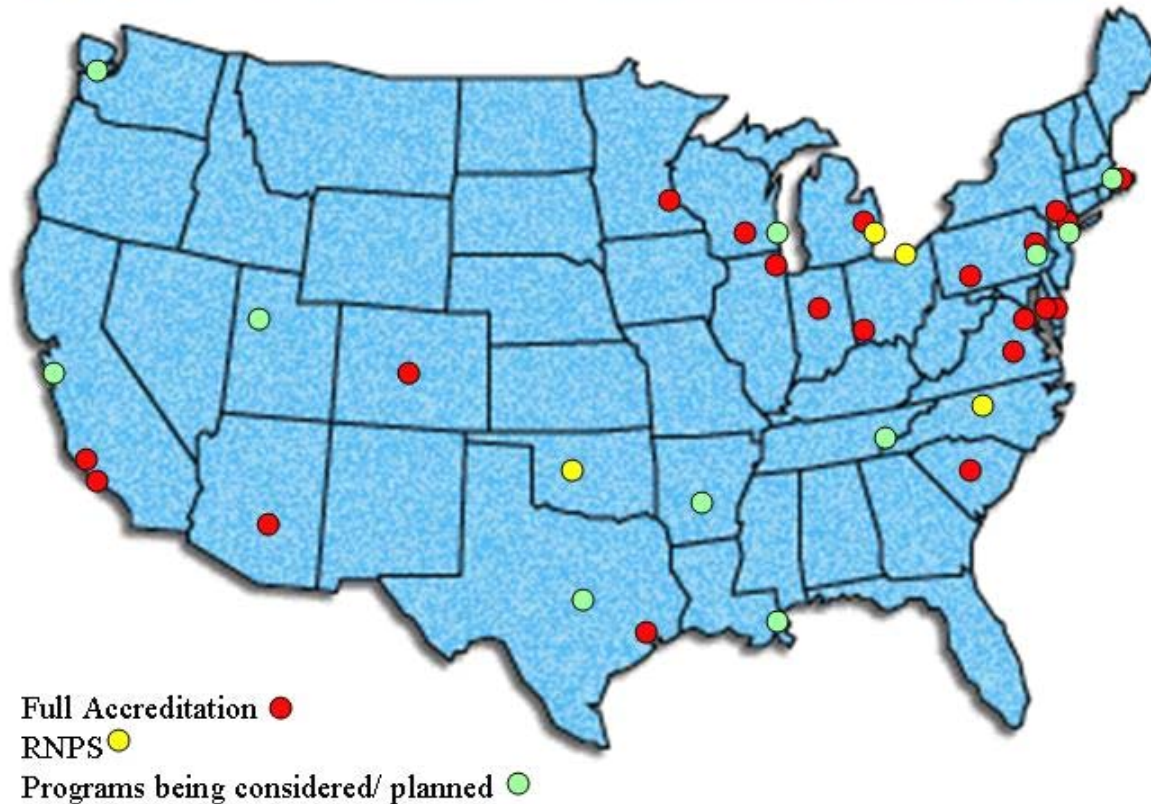
# Lab Providers



Per capita—providers per 100,000 population

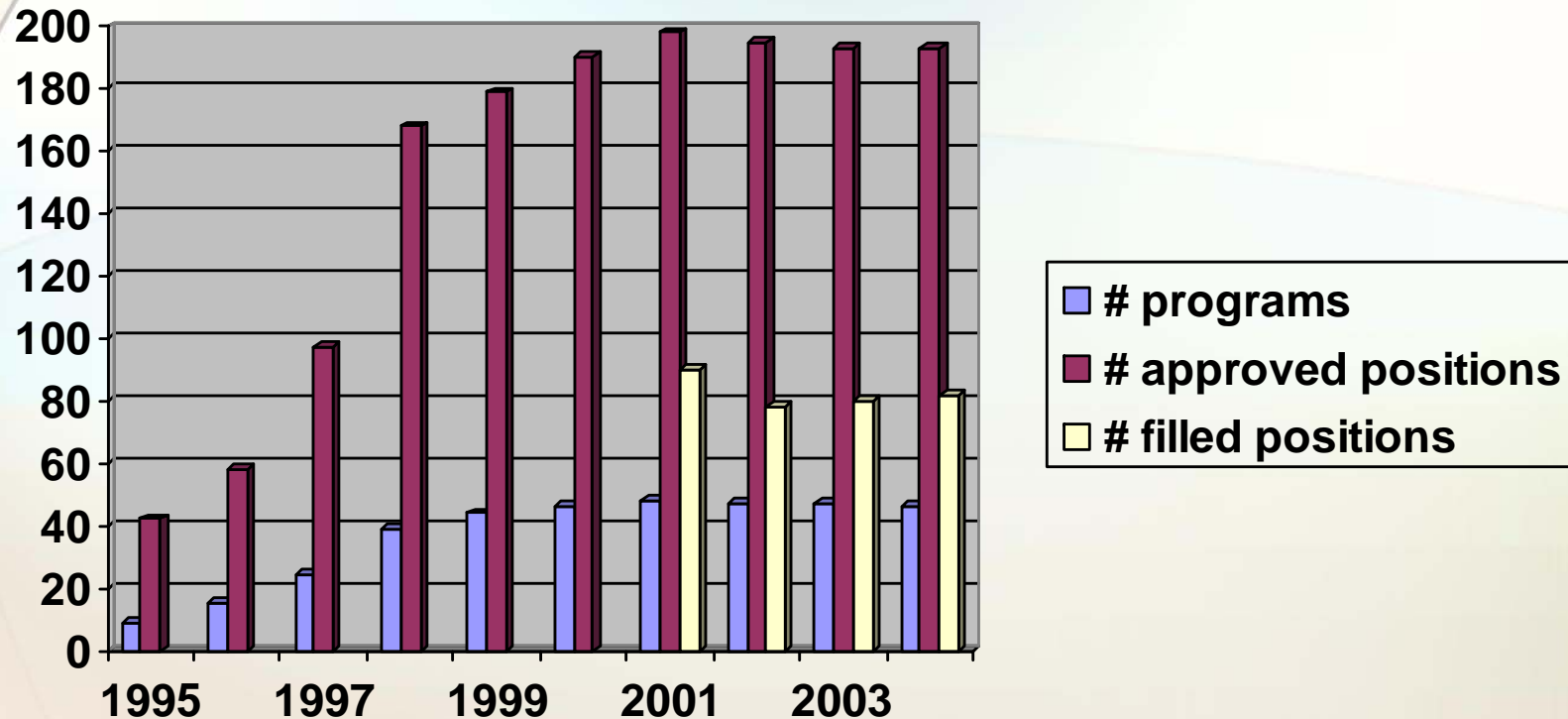
# Genetic Counseling Training Programs

Geographic Distribution of Genetic Counseling Graduate Programs



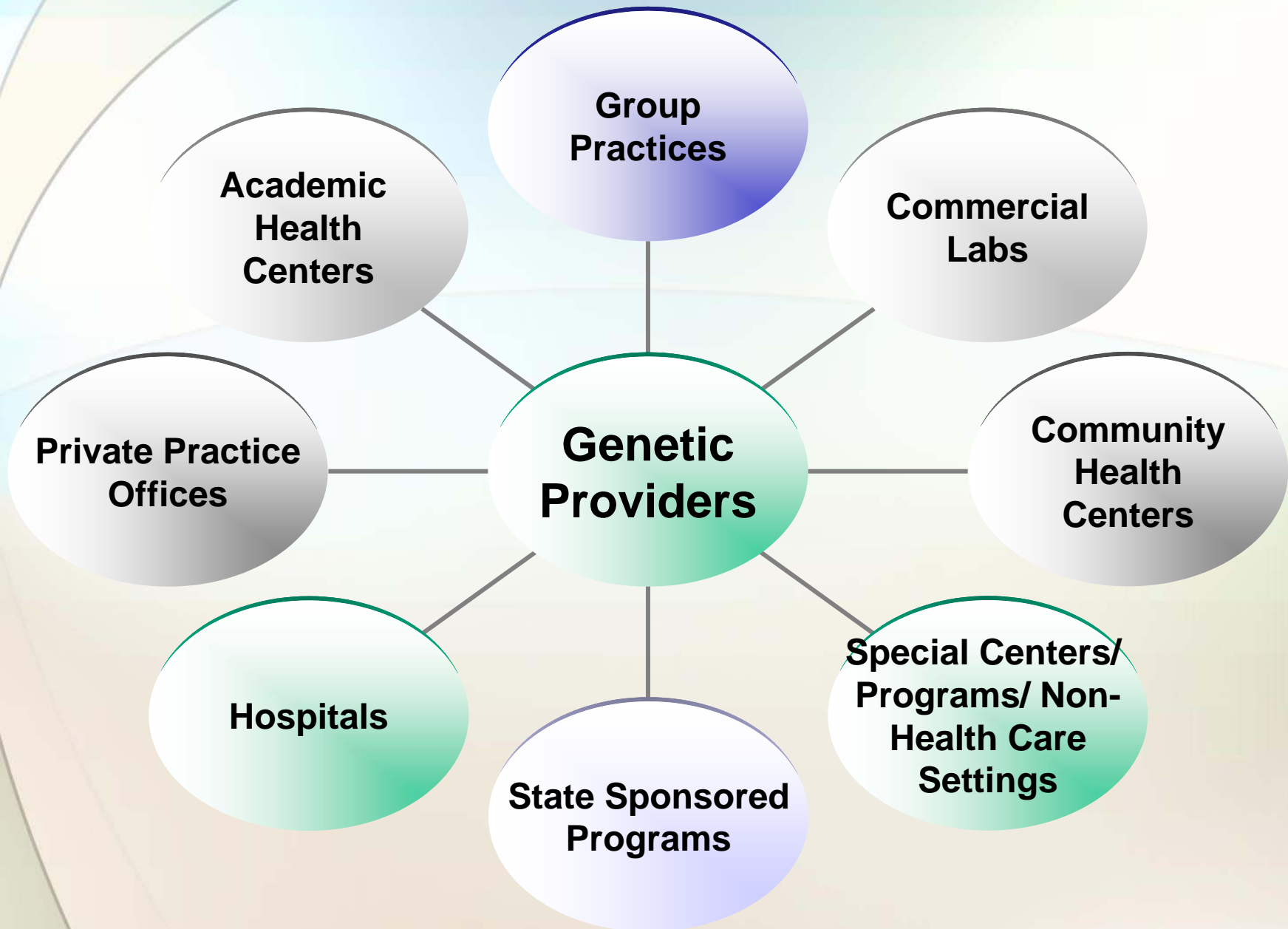
Source: "Genetic Counseling in the 21<sup>st</sup> Century: Expanding Roles and Redefining the Scope of Practice" by Kelly E. Ormand, MS, CGC

# Medical Geneticist Training Programs



Source: "Report of Banbury Summit Meeting on Training of Physicians in Medical Genetics"

Number of RRC- approved programs, training slots, and filled slots in medical genetics.



Source: "Assessing Genetic Services & the Health Workforce" – Judith Cooksey 9-02

# Delivery Timeframe

- **Preconception Counseling**

*Service Variability: Low*

*Uptake < 10%*

- **Preimplantation Genetic Diagnosis**

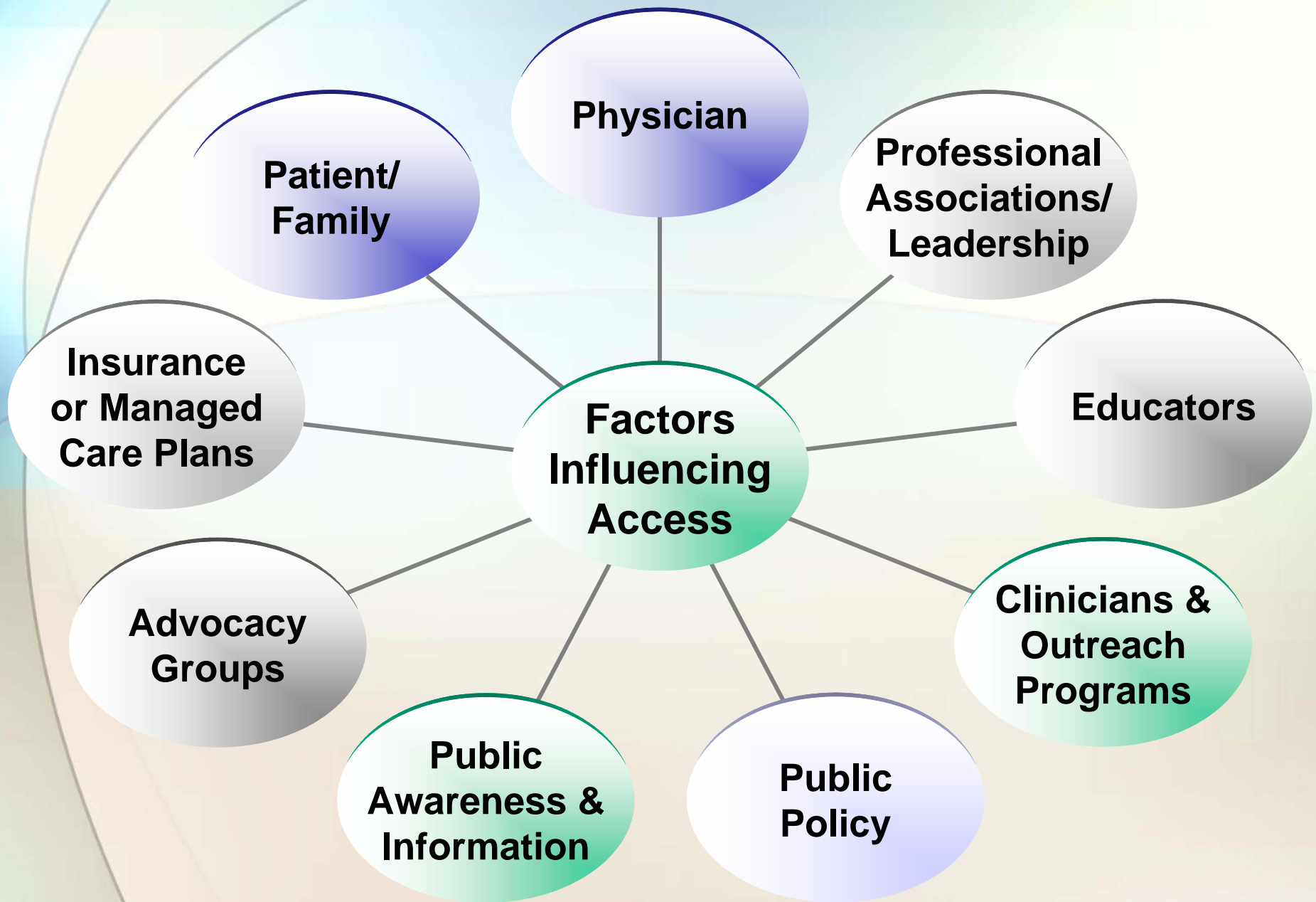
*Service Variability: High*

- **Prenatal Diagnosis**

*Service Variability: Medium*

# Delivery Timeframe

- **Newborn Screening**  
*Service Variability: Medium*
- **Pediatric**  
*Service Variability: Medium*
- **Adult**  
*Service Variability: High*



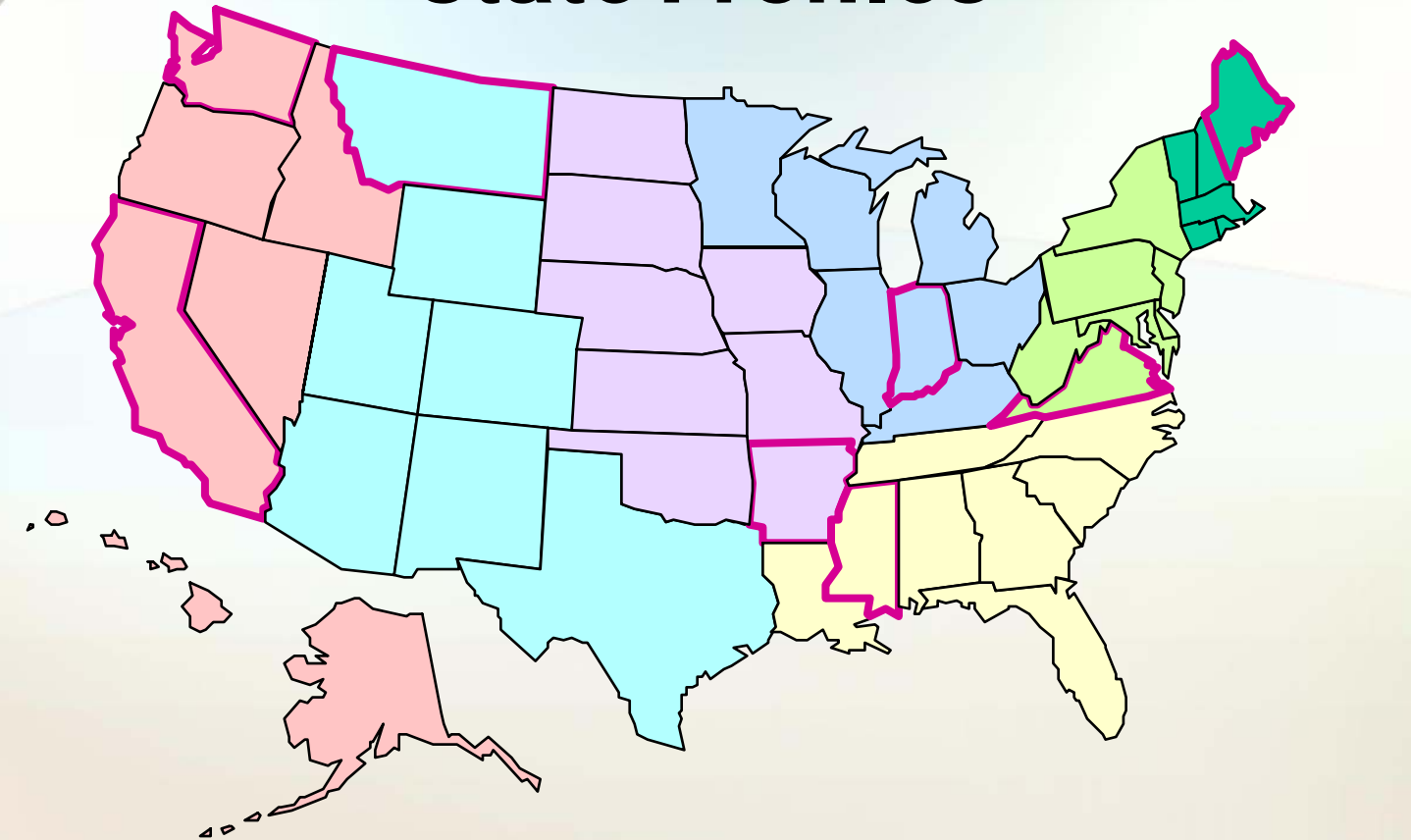
Source: "Assessing Genetic Services & the Health Workforce" – Judith Cooksey 9-02








# Who Receives Services

- **Little data available**
- **NSGC Professional Status Survey**
- **WA State data**

***Can we assume WA is similar to other states?***

# State Profiles



- |   |  |   |
|---|--|---|
|  Region 1: Maine       |  Region 4: Indiana  |  Region 7: California and Washington |
|  Region 2: Virginia    |  Region 5: Arkansas |   |
|  Region 3: Mississippi |  Region 6: Montana  |   |

# Discoveries

- **Variability between “genetics rich” and “genetics poor” states**
- **Cross border issues**
- **Training issues**

# Summary

- **We can use your help to fill in data gaps for who provides services, where, when, and who receives services**
- **Feedback about our approach and the types of information we're collecting is appreciated**