Is Colorado’s Health Care System Ready?

How many additional primary care providers will Colorado need to care for the newly insured?

\[
\text{Number of newly insured} \times \text{Expected office visits per person} = \frac{\text{Number of additional primary care visits}}{\text{Productivity factor for Colorado providers}} = \text{Primary care providers needed for Colorado}
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Our Perspective

- First of its kind forecast of Primary Care need
- Moves planning efforts from conceptual to tactical
- Caring for the newly insured will stress but not break our current delivery system
CHI’s Key Findings

The *additional* primary care providers Colorado will need in 2016 to care for the newly insured.

- Between **83 and 141** additional primary care providers
- Physicians: **71 to 117**
- Nurse Practitioners and Physician Assistants: **12 to 24**
510,000 Coloradans – nearly one of every 10 residents – will obtain health insurance

130,000 will enroll in the federal-state Medicaid insurance program

380,000 will purchase private insurance – through employer, the exchange or individual market.
Expected Office Visits by Newly Insured

- Multivariate regression model
- Data source (MEPs) allows analysis of medical usage by characteristics such as age, gender, health status
- Number of projected increased visits when going from uninsured to insured (above and beyond any yearly visits when uninsured.)

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Additional Primary Care Visits in Colorado

- Multiply individual visit data by number of newly insured in Colorado

Result: Between **256,010** and **432,420** additional office visits to physicians, nurse practitioners and physician assistants each year
Provider Productivity Factor

- Determined by Medical Group Management Association (MGMA) survey
- Affected by hours worked, training and experience, patient population.

- **3,137** annual patient encounters for one full-time-equivalent Colorado physician
- **2,688** annual patient encounters for one full-time-equivalent NP or PA
The number of increased office visits is divided by the provider productivity factors

Colorado needs:

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  - Physicians: **71 to 117**
  - Nurse Practitioners and Physician Assistants: **12 to 24**
The Context

- Current need or shortage
- Challenge of $\frac{1}{2}$ a clinician
- Coverage $\neq$ Access
- Beyond the model
  - Aging
  - Economy and unemployment
  - New Models of Care
  - Current assessment of primary care need
New rationale for current strategies

- Recruitment and Retention
- Payment reform/improvement
- Promise of care coordination
- Telehealth and telemedicine
- Hub-and-spoke delivery model
- Rural initiatives
The Colorado Health Institute serves as a trusted and leading source of credible health information for Colorado leaders.

www.coloradohealthinstitute.org/projects/NewlyInsured