### "Diabetes & asthma medications for uninsured Latinos through pharmaceutical patient assistance programs: Is it worth the effort?

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### Presentation Learning Objectives

- Apply the process of acquiring medications through patient assistance programs (PAPs) to invidiual patient situations
- Articulate common eligibility criteria and required documentation for PAPs
- Identify potential barriers to effective utilization of PAPs

### What is the problem? The Uninsured and Healthcare Coverage

- Estimated 47.0 million (15.9%) uninsured in the U.S. (U.S. Census, 2006)
  - Nation's highest: Hispanics/Latinos = 32.7%
    - Asthma 80% higher in Puerto Ricans than other racial/ethnic minorities (NCHS, 2002)
    - Type II diabetes higher among Mexican- Americans & Puerto Ricans than non-Hispanic whites (NIDDK, 2005).
- Many uninsured patients cannot afford prescribed medications
  - Medication costs increasing since 1990, accounting for 11% of annual health care spending (KFF, 2004)

# Potential Short-term Solution? Pharmaceutical-sponsored Patient Assistance Programs (PAPs)

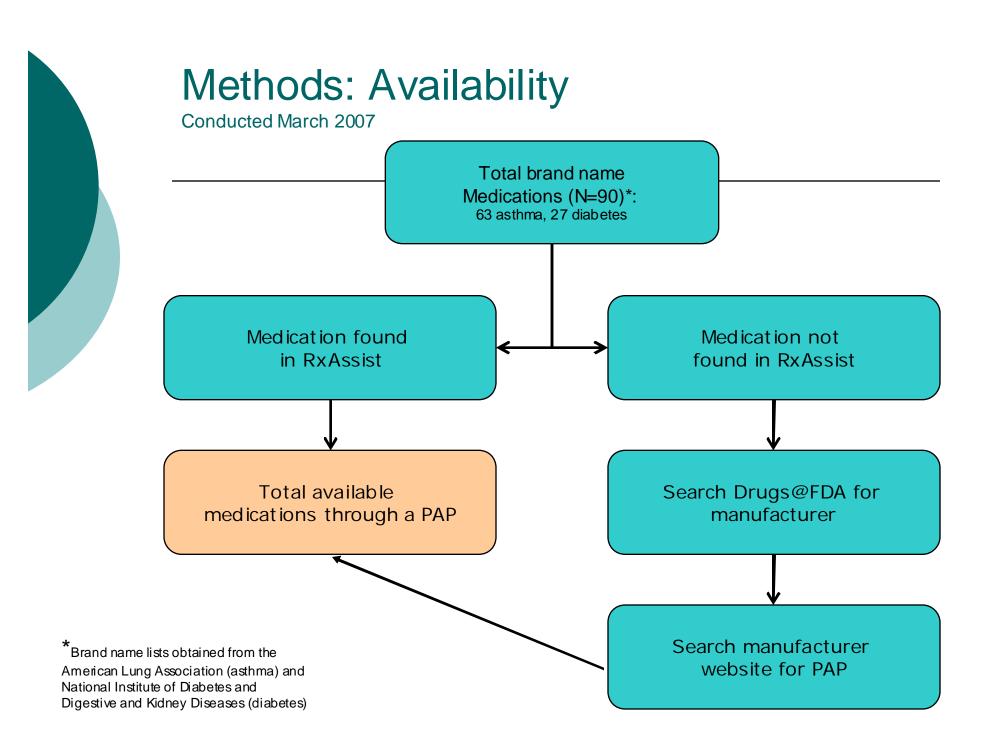
- Voluntary, manufacturer-sponsored programs provide medications at reduced or no charge
- More than 75 manufacturers offer more than 800 medications (Montemayor, 2002)
- Individual application and eligibility requirements

### What do we know about PAPs?

- O Good programs (Kelley, 2002) versus too complex and labor intensive (Duke, Raube & Lipton, 2005)"
- O Cost-savings for individual patients
  (Havrda et al., 2005) and organizations (Coleman et al, 2003; Weiner, Dischler & Horvitz, 2001)
- Scant data on patient medication adherence and other health outcomes

### Research Questions:

- <u>Availability</u>: What medications prescribed for Type II diabetes and asthma are available through PAPs?
- Accessibility: Among the medications available through PAPs, which medications are accessible to an uninsured Latino patient, given a specific set of characteristics?
- Applicability: Among the medications accessible through PAPs, do any of them meet first-line pharmacologic treatment guidelines?



### Methods: Accessibility Hypothetical Latino Patient Profiles

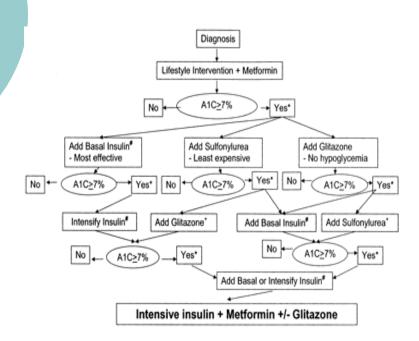
#### Profile 1: Mary

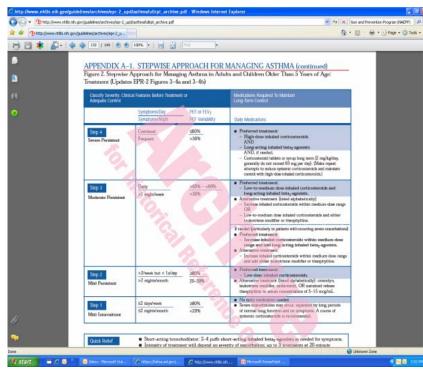
- No health insurance
- Annual income:\$40,000 (Family of 4)
- U.S. citizen
- Limited English language proficiency/Spanish preferred
- Recently diagnosed with Type II Diabetes during an Emergency Room visit

#### Profile 2: Daniel

- No health insurance
- Annual income: \$25,000 (Single + 1 child)
- Proficient in English
- Not yet U.S. citizen
- Severe asthma most of adult life

## Methods: Applicability to Clinical Guidelines

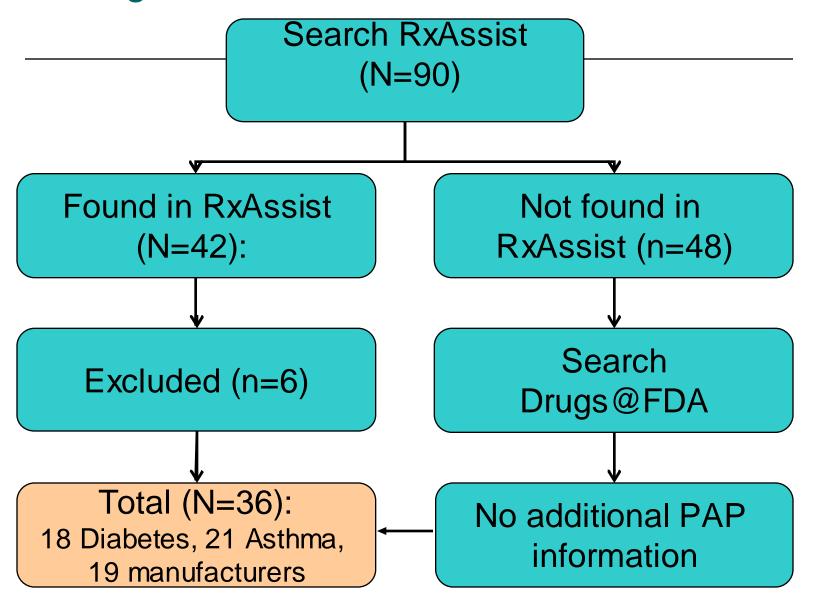




**American Diabetes Association** 

National Asthma Education & Prevention Program (2002)/NHLBI

### Results: Which medications are <u>available</u> through PAPs?



### Results: PAP application & Eligibility

Application requirement	Most common (Frequency)	Of note:
Medications available (n=36)		1)Pfizer (n=6) 2)GSK (n=4)
Insurance status	Minimum: No medication coverage (n=16)	Bristol-Meyers Squibb: uninsured only
Income eligibility	At or below 200% FPL (n=8)	Did not specify (n=8)
U.S. citizenship	Required (n=12)	Did not specify (n=5)

## Results: PAP application & Eligibility (cont)

Application requirement	Most common (Frequency)	Of note:
Required attachments	IRS Tax form and/or prescription (n=12)	Required none (n=3)
Required signatures	Provider & Patient (n=16)	GSK: Include "Advocate"
Application Languages	English only (n=14)	English & Spanish (n=4)
Delivery Location	Provider (n=11)	GSK: Pharmacy + \$10 co-pay

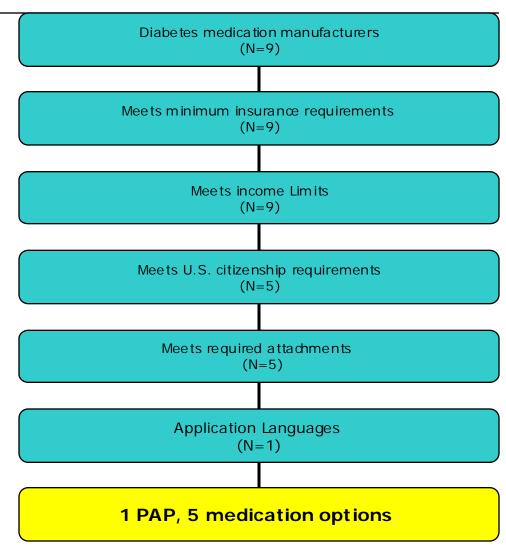
## Results: PAP application & Eligibility (cont)

Application requirement	Most common (Frequency)	Of note:
Delivery Time	0-2 weeks (n=9)	Ranged from 0-8 weeks
Medication Supply	90-day supply (n=14)	Ranged from 30- 120 day supply
Re-application	Every 12 months (n=10)	Every time a refill is needed (n=5)

## Results: Which medications are *accessible* to Mary?

#### **Profile:**

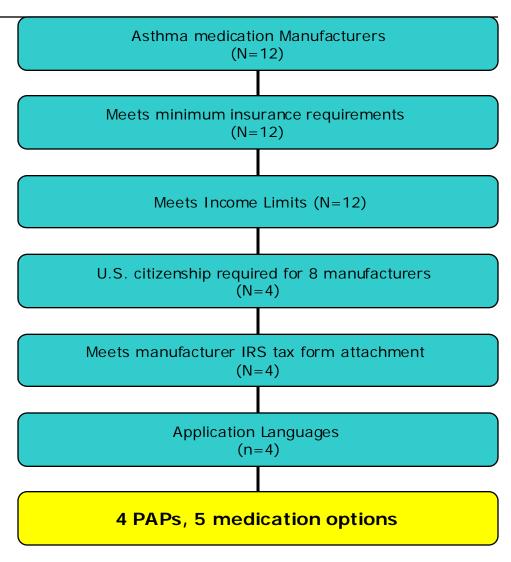
- No health insurance
- Annual income:\$40,000 (Family of 4)
- o U.S. citizen
- Limited English language proficiency/Spanish preferred
- Recently diagnosed with Type II Diabetes



### Results: Which medications are accessible to Dan?

#### Profile:

- No health insurance
- Annual income: \$25,000(Single + 1 child)
- Proficient in English
- Not yet U.S. citizen
- Severe asthma most of adult life



## Results: Application of Clinical Guidelines

#### ADA (Diabetes)

 1st Line treatment: Lifestyle changes + metformin

#### Mary's options:

- Diabinese®
- Glucotrol®
- Glucotrol XL®
- Glyset®
- Micronase®

#### NAEEP (Asthma)

 1st Line treatment for severe, adult asthma: high-dose inhaled corticosteroid + long-acting inhaled beta2-agonist 24

#### Dan's options:

- Azmacort®
  Aerobid®
  Aerobid-M®

  Inhaled corticosteriods
- Xolair®
- Medrol®

Accessible medications did not meet full clinical guidelines for either profile

### Study Conclusions

- Availability: Found 40% of studied asthma and diabetes medications provided by PAPs
- Accessibility: Medication options were limited by general characteristics of uninsured
  - Barriers:
    - Language
    - Citizenship
    - Income
- Applicability: None met the clinical practice guidelines for first-line treatment
  - New Asthma Guidelines released September 2007

### Limitations

- Small sample of medications
  - Listings from reputable organizations
- Hypothetical patients
  - Based on general characteristics of uninsured
- Guidelines versus practice
- Focused only on 2 disease states
- Focused only on brand-name medications
  - Social justice perspective
  - o Generics available: RxOutreach, Xubex
  - Likely to change availability but not necessarily accessibility or applicability

### So, are PAPs worth the effort?

- PAPs are viable, short-term option to meet medication needs in the absence of universal health care coverage in the U.S.
- o Keep in mind:
  - PAPs are not a substitute for comprehensive health care
  - Many patients need assistance to apply to PAPs
- Start a voluntary program for to assist with PAP applications within your institution:
  - Register at <a href="http://www.rxassist.org">http://www.rxassist.org</a> to get information on how to set up a program!

### For more information:

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If you have any questions, email:

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