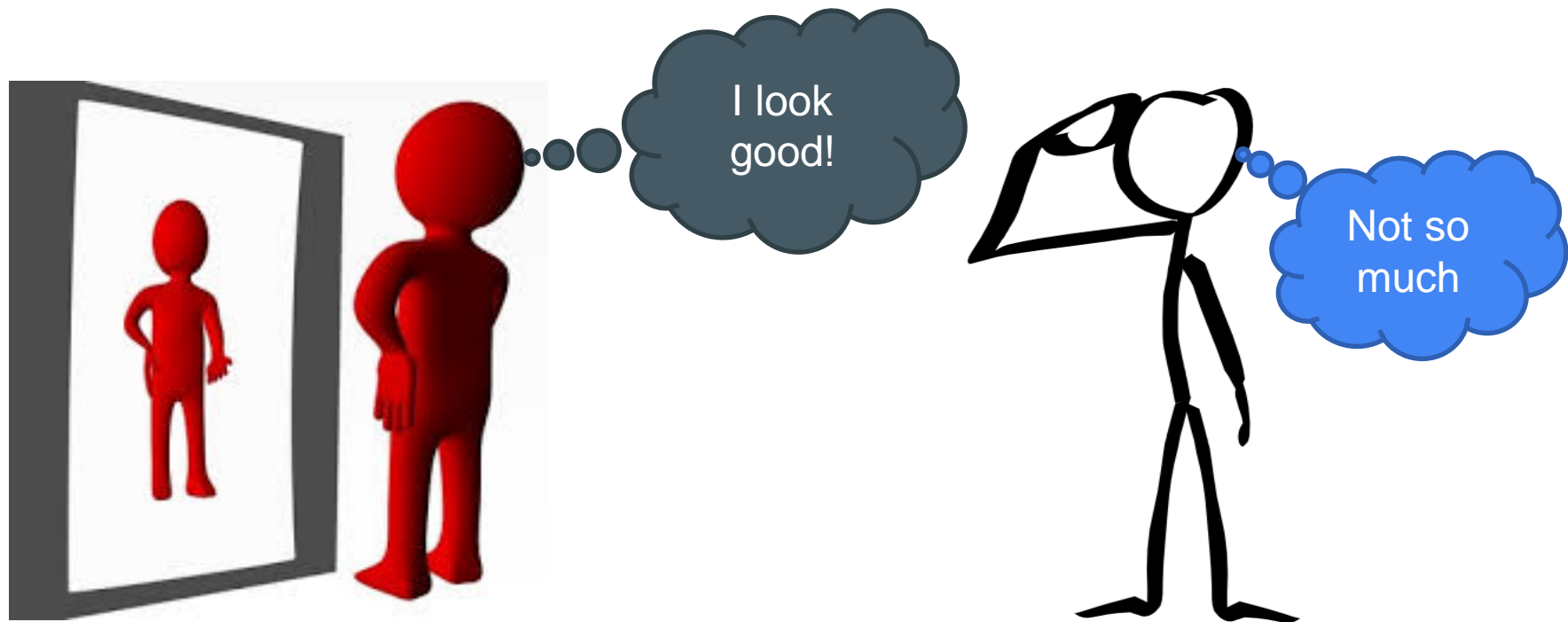# PCCPATHWAYS

EVALUATION

# Why Evaluation?

# Why Evaluation?

**Small groups or one group**

1. Identify your stakeholders

2. Identify the students you want to serve

3. Identify program outcomes – what are you trying to accomplish?

4. Identify short-term, intermediate, and long term milestones.

# Report out

1. Identify your stakeholders

2. Identify the students you want to serve

3. Identify program outcomes – what are you trying to accomplish?

4. Identify short-term, intermediate, and long term milestones
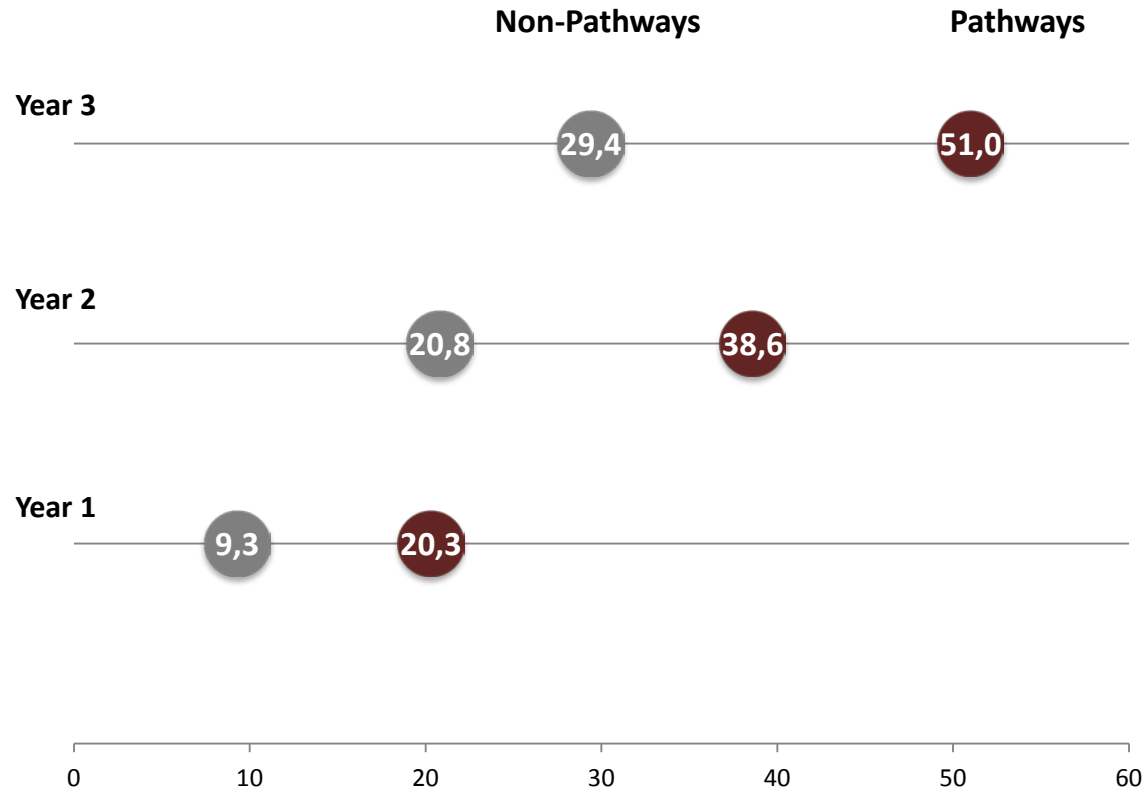
# Internal/External Evaluation Process

- **Partnered with the UCLA Evaluation Group – Department of EDUC**

- **Collaborate on all aspects of the evaluation design**

- Study design

- Outcomes to asses

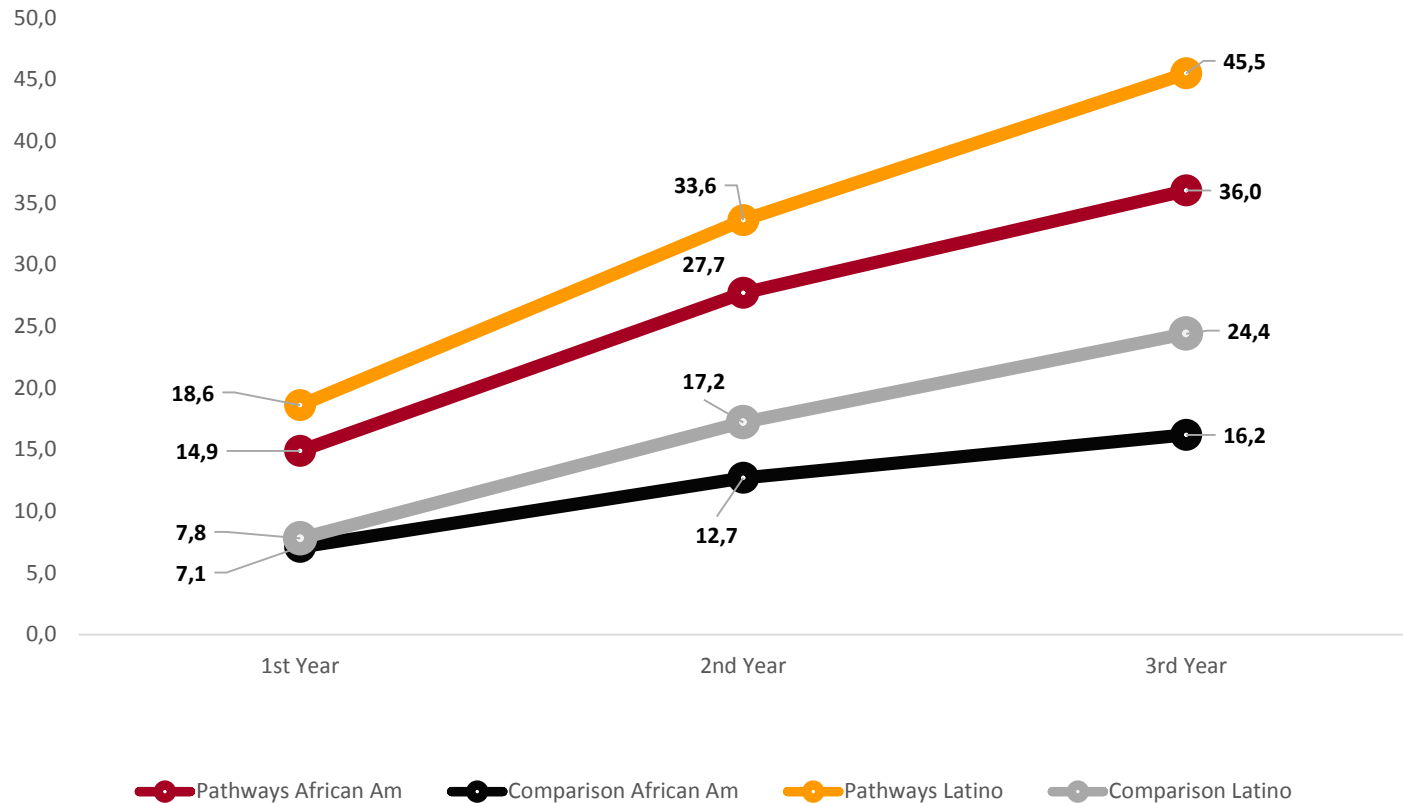- Analyses

- **Program data**

- Cohort tags

# How'd we do



SUCCESS

Because you too can own this face of pure accomplishment

# Cumulative Credits Earned – 2012-2013 Cohorts

**Non-Pathways**      **Pathways**

**Year 3**      29,4      51,0

**Year 2**      20,8      38,6

**Year 1**      9,3      20,3

0      10      20      30      40      50      60
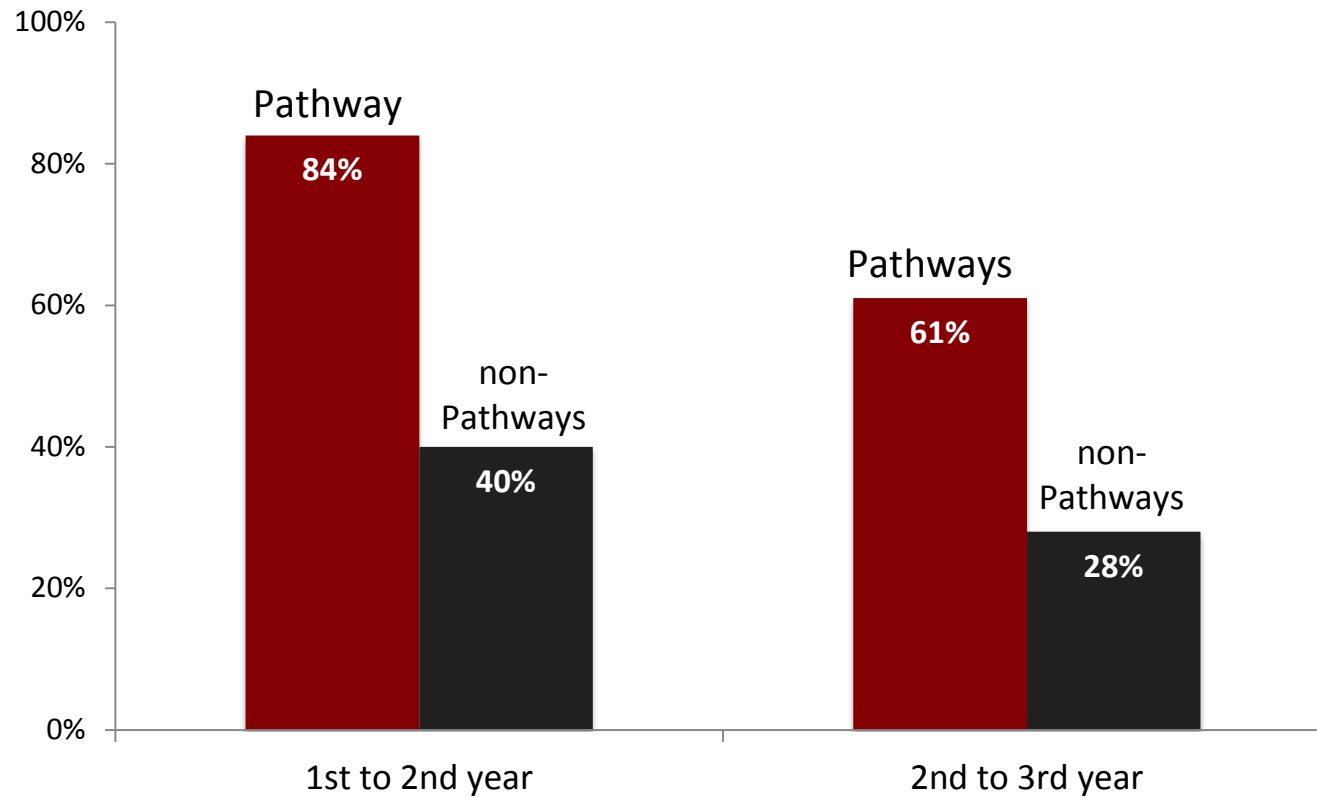
Pathways N = 620, non-pathways N = 4,035
UCLA, Social Research Methodology Group, 2015

# Cumulative Credits by Ethnicity – 2012-2013 Cohorts



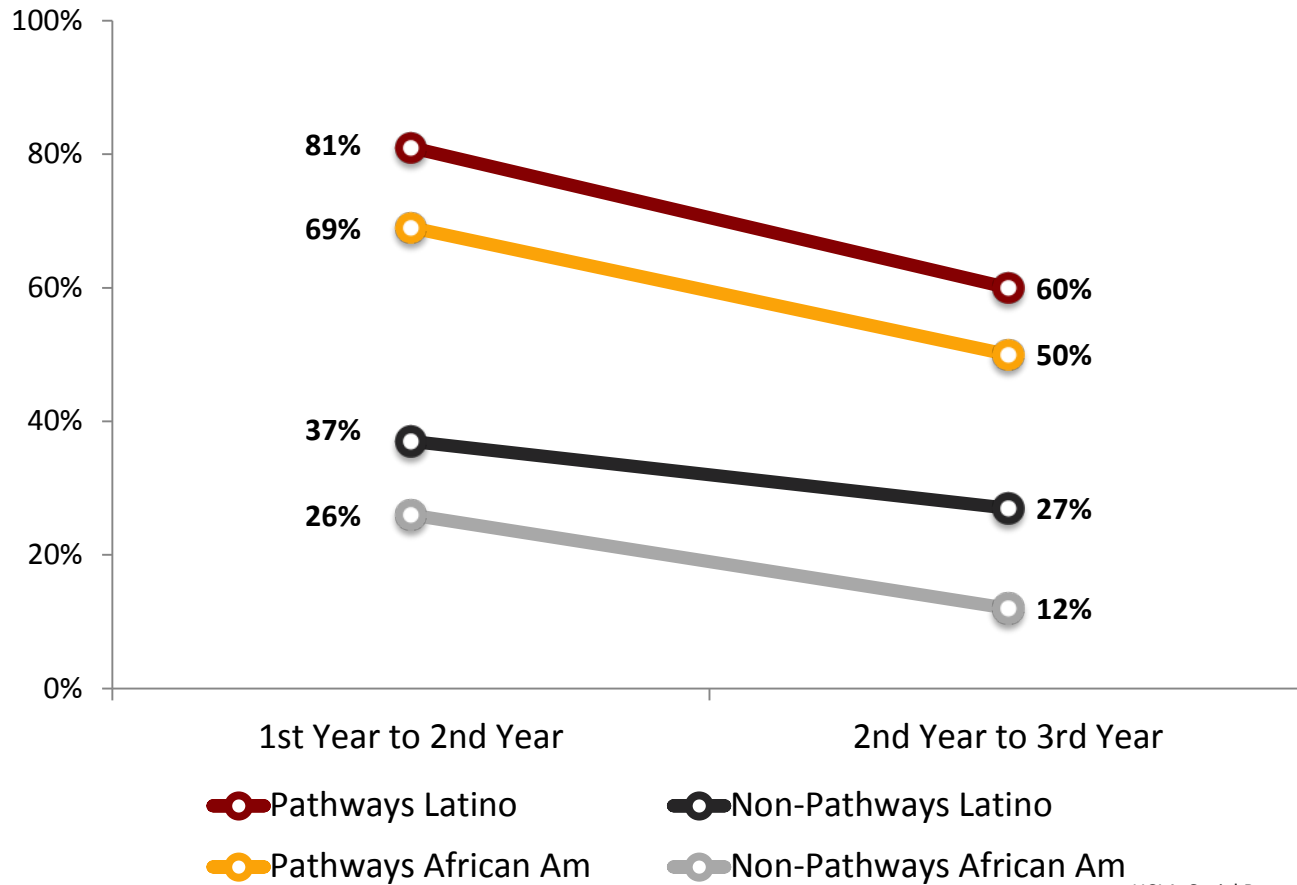UCLA, Social Research Methodology Group, 2015

# Persistence – 2012-2013 Cohorts



UCLA, Social Research Methodology Group, 2015

Persistence by Race – 2012-2013 Cohorts

UCLA, Social Research Methodology Group, 2015

# Transfer Status – 2012-2013 Cohorts

| | Transfer-Directed | | Transfer-Prepared | | Transfer-Ready | | Total Students | |
|---|---|---|---|---|---|---|---|---|
| | Pathways | Non-Pathways | Pathways | Non-Pathways | Pathways | Non-Pathways | Pathways N | Non-Pathways N |
| **Latino** | 30% | 9% | 15.2% | 4% | 13% | 3.2% | 303 | 2,053 |
| **African American** | 16.7% | 3.1% | 2.4% | 2.6% | 2.4% | 1.5% | 42 | 195 |
| **Overall** | 42.6% | 16.7% | 24% | 10% | 22.3% | 8.6% | 620 | 4,035 |

# SHOW ME THE MONEY!

-Why do we need to look at resources?
    Money/resources not unlimited
    Have to take into consideration if a program is affordable

-Cost Effectiveness Studies
    Provide the link between the resources needed for a program and its outcomes
    Cost effectiveness compares policy/education alternatives, based on ratio of their costs to a quantifiable effectiveness measure

$$\frac{Cost\ of\ a\ program}{Quantifiable\ outcome}$$

- Can also use a "business-as-usual" approach

# Measuring Costs

## Step 1: Gather Ingredients data

**Identifying all the ingredients (resources) needed to implement a program**

**Creating an "Ingredients List"**

## Step 2: Pricing Ingredients

**Tricky Ingredients**

**Price Adjustments**

## Step 3: Calculating cost estimates

**Multiplying quantities by prices**

**Calculate per student cost by dividing:** $\dfrac{\textit{Cost of a program}}{\textit{\# of Students Served}}$

# Cost Effectiveness Study of Pathways

**Conducting a cost-effectiveness study of the 1st year Pathways program**

Use the 2013-2014 cohort

Pathways students vs. non-Pathways students (propensity score matched)

Estimate the cost of attending PCC + additional cost being in Pathways

Quantifiable outcome: # of completions (as defined by the chancellor's office)

**Research questions to be addressed**

What is the additional cost to run Pathways (total & per student)?

What is the cost per additional transfer?

Is the additional investment in Pathways justified?

# Draft of Ingredients List

| Personnel | Quantity | Percent time on Pathways | Cost | Notes |
|---|---|---|---|---|
| Director | 1 | 100% | | |
| LAC Assistant II | 1 | 100% | | |
| TLC Program Outreach coordinator | 1 | 100% | | |
| Tech support | 1 | 100% | | |
| Media/Tech support (Michael) | 1 | 100% | | At some point during the year, Michael transferred to the tech office |
| Coach Lead | 1 | 100% | | |
| Tech support | | | | |
| Faculty Reassignment | 1 | 80% | | |
| Faculty Reassignment | 1 | 33% | | |
| Faculty Reassignment | 1 | 33% | | |
| Faculty stipends | 5 | | | Stipend to work on Math Jam |
| Coaches | 4 | | | Hired as college assistants |
| Student workers | 25 | | | Math Jam and summer tutors |
| Student workers | 9 | | | Fall and spring tutors |
| Student worker | 1 | | | Clerical work for One Book, One College event |
| College assistant | 1 | | | Assistant coordinator for Math Jam |
| Student worker (Davontae) | 1 | | | |
| College assistant | 1 | | | Tech support, 25% on grant and 75% on contract - Full-time on pathways? |

**What Challenges Do You Face?**

**Questions?**