

**Kelleen Arquette** 

May 2013



 $\ensuremath{\textcircled{}^\circ}$  2013 Towers Watson Global. All rights reserved.

### What is UBI?

### **Usage-based auto insurance**

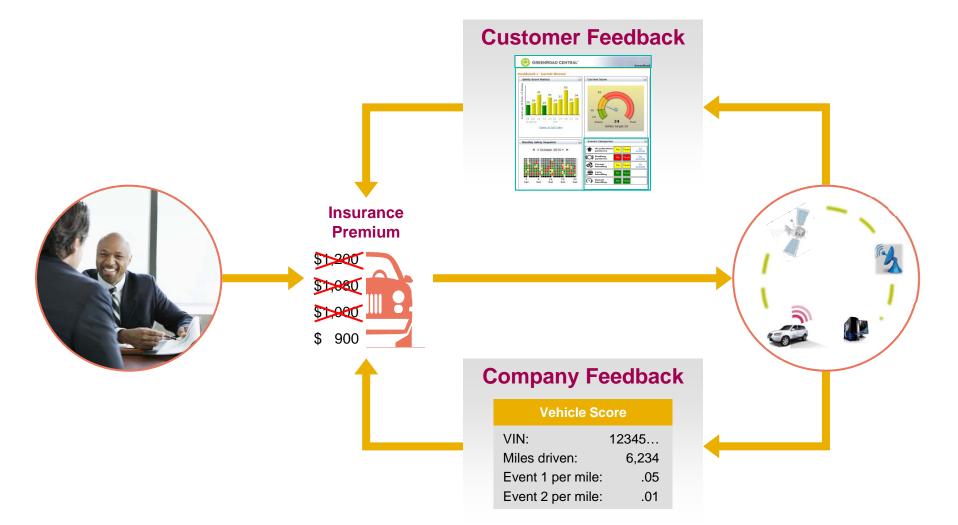
#### What it is

- A device collects real-time driving data
  - Date and time, trip duration, speed, turning forces, and even location (optional)
  - Additional data can be merged including weather, traffic, and more
- Data is sent to the insurance company who uses it to rate the driver on actual driving behaviors

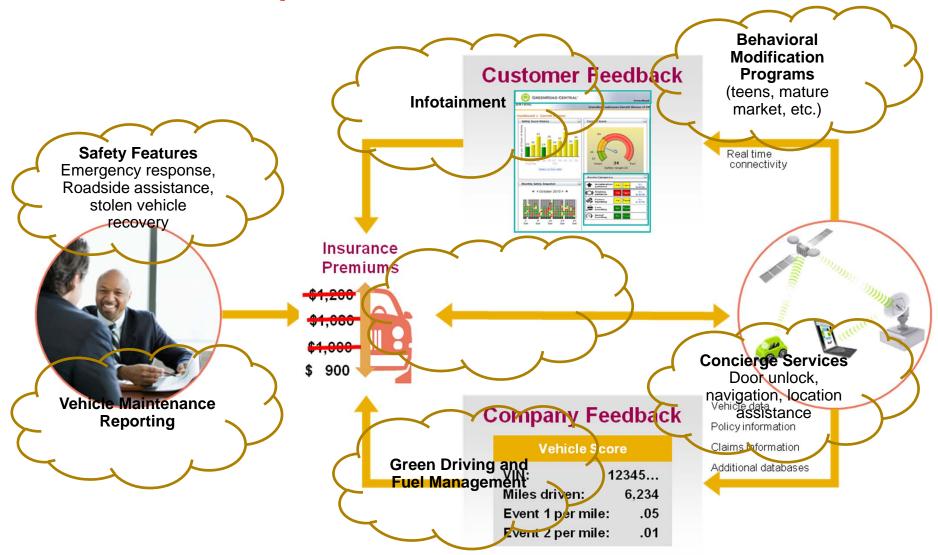
#### What it offers insurers

- Enhanced risk segmentation & improved pricing accuracy
- Reduced loss costs & reduction in claims
- Increased consumer retention & satisfaction
- Product differentiation & brand awareness

# **Usage-based insurance (UBI)**



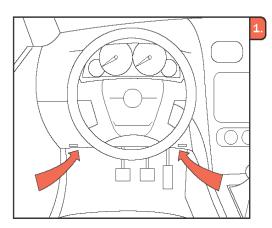
#### But what is the potential?

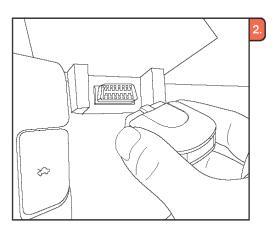


towerswatson.com

# **Customer Installation Experience**



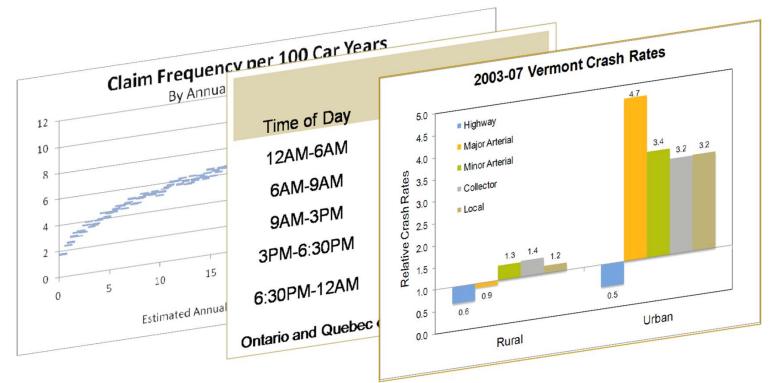




5

### **Telematics data is predictive**

• Various studies demonstrate predictive potential



- Companies gain competitive advantage through better segmentation
- Elimination of cross-subsidization is more "fair"

### What is the perspective of the consumer?

Understand it and like to control their premium	<ul> <li>Consumers don't like the use of credit scores because it doesn't make sense</li> <li>Generally speaking, "good" drivers opt in, get participation discounts, and have the opportunity for even greater discounts</li> </ul>
Want access to useful driving feedback	<ul> <li>Accidents are the leading killer of teens; UBI programs give parents a variety of tools to help monitor and counsel their teen drivers</li> <li>Many adults are faced with elderly parents whose driving is deteriorating. UBI can help evaluate skill deterioration and provide helpful safety tips</li> </ul>
Like options for value-added services	<ul> <li>Consumers generally like options</li> <li>Programs vary from basic to deluxe in their service offerings</li> </ul>
Value companies that are "green" and "progressive"	<ul> <li>Society is becoming increasingly environmentally conscious, and consumers value companies that are "green"</li> <li>Younger consumers like new and different products even when the product may not appeal to them</li> </ul>

Most consumers view UBI favorably and participants are very satisfied

towerswatson.com

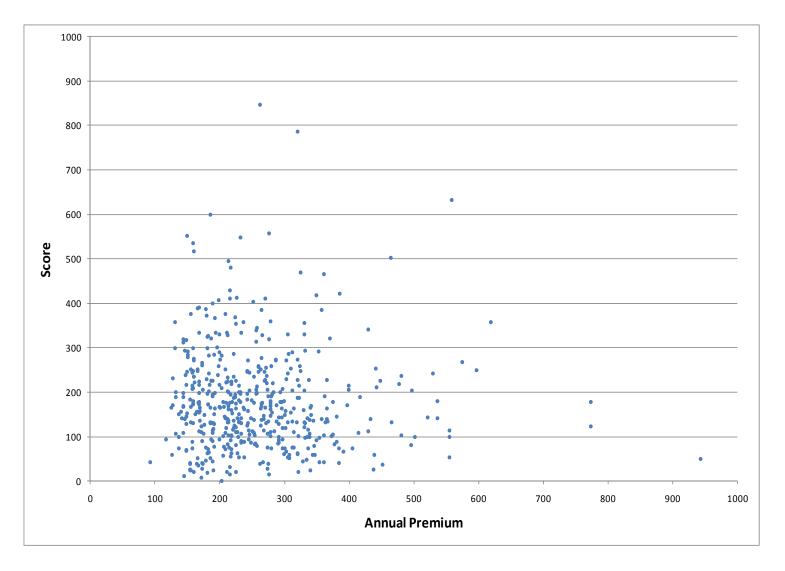
### How do regulators in the U.S. feel about UBI?

Want variables that are "fairly" discriminatory	<ul> <li>Most states require that rates are adequate and not excessive or unfairly discriminatory</li> <li>UBI varies rates based on driving behavior, which has been proven to be predictive and is clearly "fair"</li> </ul>
Like that UBI makes sense and is controllable	<ul> <li>Regulators are concerned with factors like credit that don't "make sense" to consumers; UBI makes sense</li> <li>Regulators prefer variables that give the consumer "control" to reduce costs without reducing coverage</li> </ul>
Support "green" initiatives	<ul> <li>Safer driving and fewer miles significantly reduce emissions</li> <li>14 states have pay-as-you-drive specifically listed in their climate plans</li> </ul>
Endorse efforts to save lives	<ul> <li>Highway accidents result in approximately 3M injuries and 35K fatalities in the U.S. each year, and the government seeks to reduce that through various programs</li> <li>Driver feedback significantly reduces risky driving</li> </ul>
For thes	se reasons, regulators are anxious to approve UBI programs

### What does it mean for the company?

Better pricing	<ul> <li>The predictive power of the telematics data is undeniable</li> <li>Initial programs included relativities from 0.39 to 1.09 on top of the existing rating plan, highlighting the additional segmentation power</li> </ul>
Product differentiation and brand awareness	<ul> <li>Some programs are very basic discount programs that will appeal to price- sensitive groups; more sophisticated programs offer a wide variety of value-added services that differentiate the product</li> <li>UBI programs promote the idea that the company is "modern" and "green"</li> </ul>
Reduced loss costs	<ul> <li>Consumers understand UBI, so there is a significant self-selection effect</li> <li>Behavioral modification programs have been shown to significantly reduce risky driving and, consequently, accident frequency</li> <li>Potential for further reduction by using data in claims handling</li> </ul>
Consumer satisfaction and retention	<ul> <li>Consumers want to pay less for their insurance and UBI gives discounts that only their current carrier can offer (as others don't know their driving behavior)</li> <li>Ancillary services (e.g., teen tracking) greatly appeal to certain consumers and make the insurance product more valuable to them</li> <li>Retaining existing customers is significantly cheaper than adding new ones</li> </ul>
U	BI programs lead to better retention and greater profits

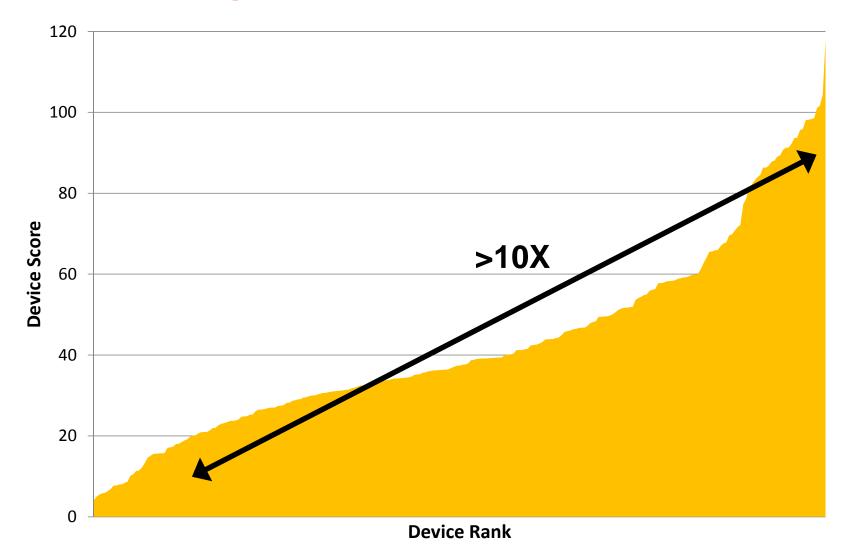
### **UBI is virtually uncorrelated with current premiums...**



towerswatson.com

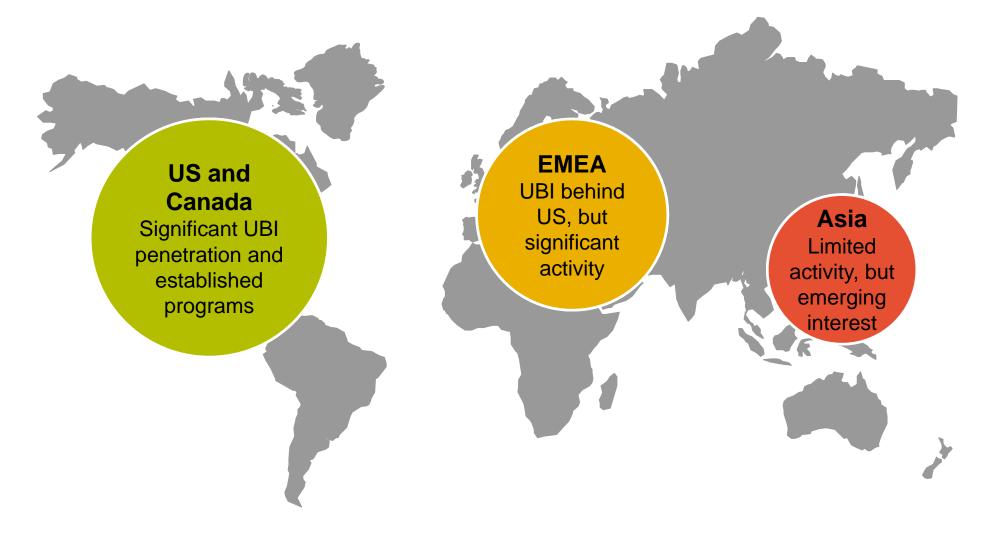
© 2013 Towers Watson. All rights reserved. Proprietary and Confidential. 10

# And provides significant lift



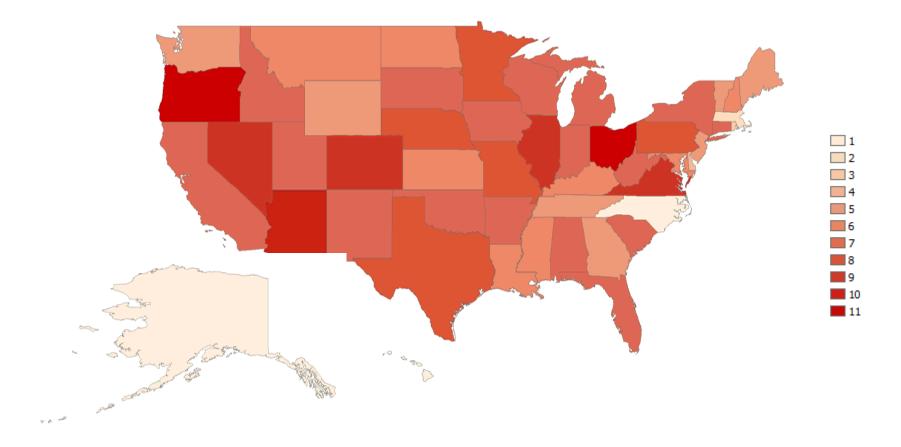
# **Market Update**

#### Widespread global development Adoption still varies by region



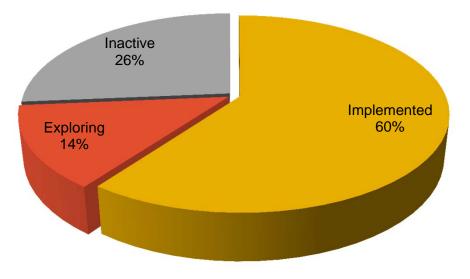
### Widespread presence of personal lines programs in US

• Forty-seven states have 4+ personal auto UBI programs implemented



#### Top 50 U.S. private passenger auto companies

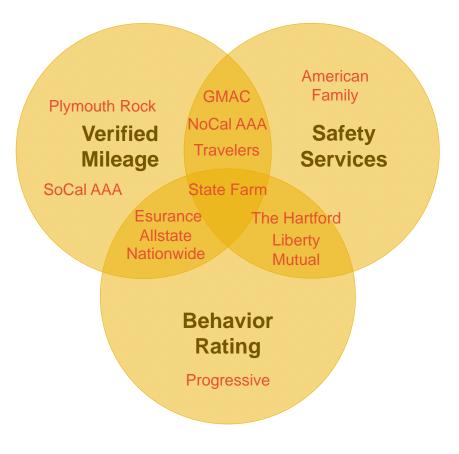
- At least eight top 10 personal auto insurers have implemented programs to insureds in at least one state
- U.S. companies representing nearly 75% of the market already have programs or are actively pursuing them



"UBI device sales rocketing from \$50 million in 2011 to approximately \$2.6 billion by 2015." — FC Business Intelligence

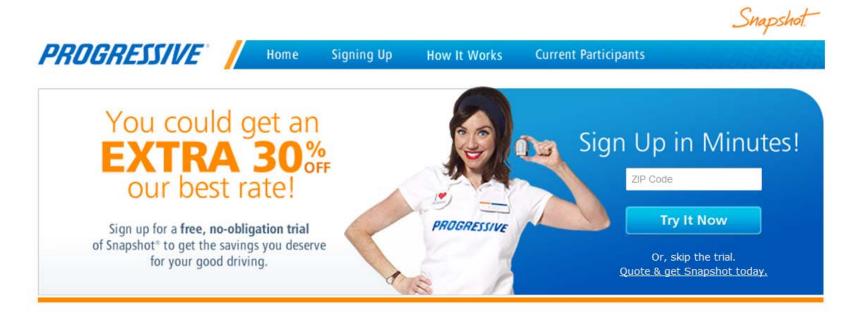
### **Telematics in personal auto**

- Several UBI business models exist
- Many other companies, including small companies, are moving toward implementation
- Companies of all sizes and geographic distribution





#### **Progressive's consumer proposition**



#### Here's how you try Snapshot before you decide to buy a Progressive policy!



Plug in the snapshot device.

Once you get your devices in the mail, plug them into each of your cars. It's easy.



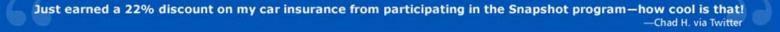
Drive like you normally do.

For the next 30 days, we'll collect information about your good driving habits.



#### Get your personalized rate.

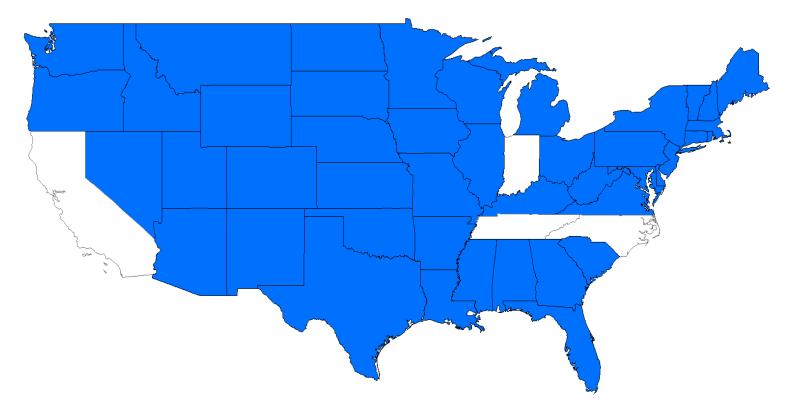
See how much you could save off Progressive's best rate as a good driver!



#### Source: Progressive website

# **Progressive Snapshot Discounts – 44 States + DC**





" Nearly **half a million drivers** have participated countrywide to get personalized car insurance rates by sharing a picture of how they drive."

- Richard Hutchinson, UBI general manager

### **Progressive's program**



- Optional program with customer selecting which vehicles
- Wireless device plugged into OBD II port records time, speed and harsh braking
- Discount calculated based on first 30 days, then applied for remainder of term
- Device removed after first term and discount is fixed until significant endorsement
- Maximum discount of 30% and no surcharge in most states
- Approved in 44 states and Washington, D.C.
- Consumers can try before buying

#### **State Farm In-Drive®**

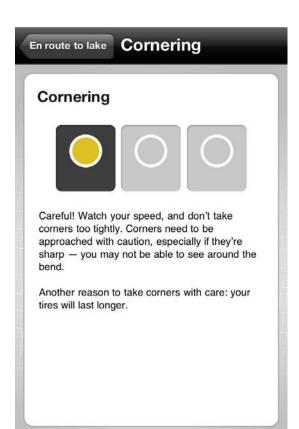
- Drive Safe & Save Program with
  - OnStar in 44 states
  - Ford Sync in 44 states
  - In-Drive® in 47 states
- Discount up to 50% based on mileage, turns, acceleration, braking, speed and time of day; 40% for mileage only
- Free 6-month introductory period, and \$6.99 to \$11.99/month standard pricing depending on additional features
  - Emergency response
  - Stolen vehicle location assistance
  - Vehicle diagnostic alerts and maintenance reminders
  - Speed alerts
  - Website and smartphone app for remote and mobile access

### **Existing smart phone integration**



#### **Example of State Farm IPhone application**





Katie		Christian	
From 3 hu, May 24, 2012		Starbuck Sat, May 26, 2012	
C 0:03 DURATION (h:m)	⊖ 1.2 DISTANCE (mi.)	© 0:04 DURATION (h:m)	⊖ 1.9 DISTANCE (mi.)
Acceleration	82	Acceleration	90
Braking	82	Braking	90
Cornering	82	Cornering	90

### **Device platform for 'added value' customer services**

#### **Emergency call**

- Use 3D-Accelerometer and OBD speed to detect significant impacts
- Use cellular connection to post an SMS with details
- Require a back-end real-time service to pick up the event and dispatch help

#### **Breakdown service**

• Ability to trigger a 'Where am I' SMS message from the server, to assist a customer breakdown call

#### Limited phone capability

• To pre-defined numbers for call center support

#### **Satellite navigation**

If linked to a PND screen in car

#### **Business trip log**

• Distinguish business travel from personal use

#### **Theft service**

- Detect motion without ignition start-up
- Tracking and call for help (in extreme implementations, disable the car)

#### Remote safe mode activation

Activates Geo-fence and other driving thresholds via an SMS message

#### **Geo-fence service**

- Detect location outside boundary zone
- Trigger notification (in extreme implementations, disable the car)
- Notification of driving exceeding other thresholds (speed, braking)

#### **Driver feedback**

- Real-time buzzer in car facility
- Reports and mapping in customer portal website

# Subscription services could enhance claims management, address fraud, subsidize cost of launch and generate revenue

### Shift in product vs. price focus unclear



**Progressive** 

Snapsho

Sign up for a **FREE** trial

Now you can test drive Snapshot to see how much you can save. No purchase necessary.

PRICE PROPOSITION

> Learn more

- Will price remain king with more powerful risk segmentation?
- Price focus will require strong analytic insight with more data to create new risk factors from telematics data
- Opportunity to de-commoditize the product
- Product/service focus including driver coaching require an understanding of driving behavior and the key influencing factors

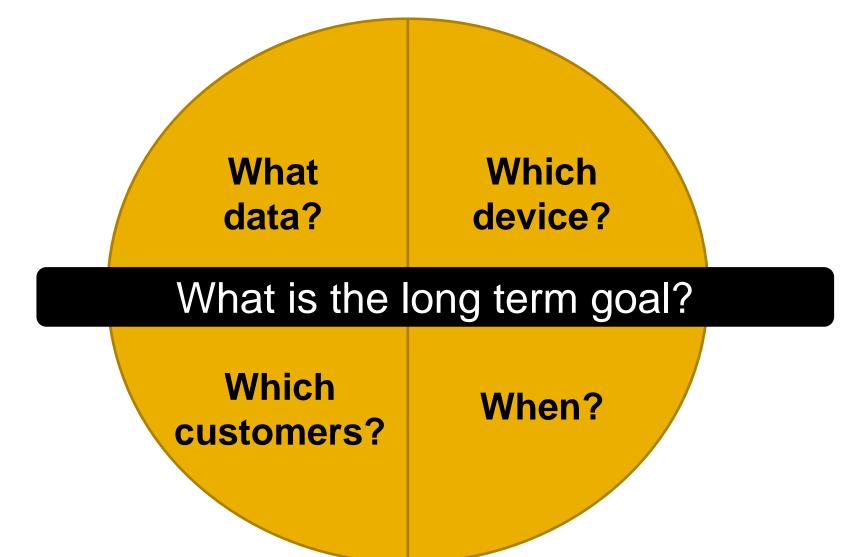
#### **Telematics in commercial auto**

- Implementation varies widely dependent on type and size of fleet
  - Large, long haul trucking has significant penetration ~80%
  - Small, artisan fleets <10%
- Primarily used for fleet management, not insurance
- Many telematics manufacturers and distributors; professional installation typically required
  - Annual maintenance provides opportunity
  - High average premium justifies cost
- Commercial auto insurers are moving quickly to catch up with personal auto insurers
  - At least four top 10 commercial auto insurers have implemented programs with others in exploration phase
  - A third of the top 50 insurers are exploring or implementing programs; the size of the segment is increasing quickly



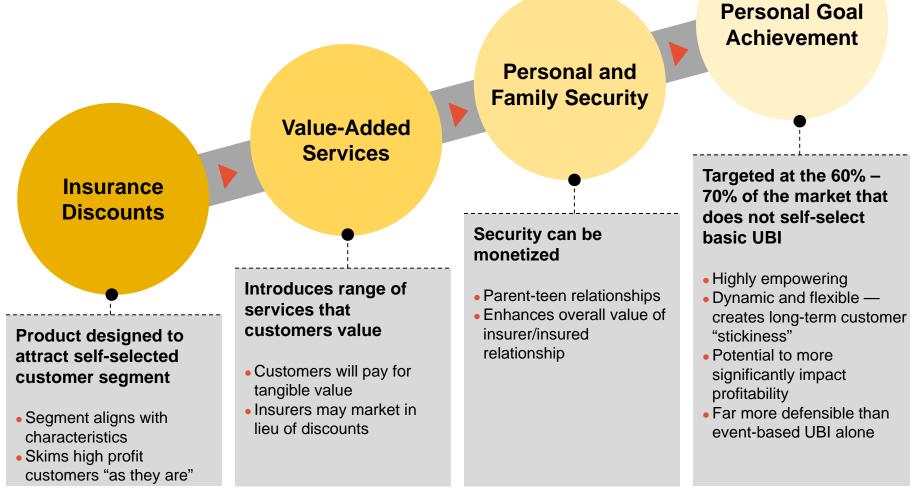
# The Challenges of UBI





towerswatson.com

#### **Evolution of value — Beyond discounts**

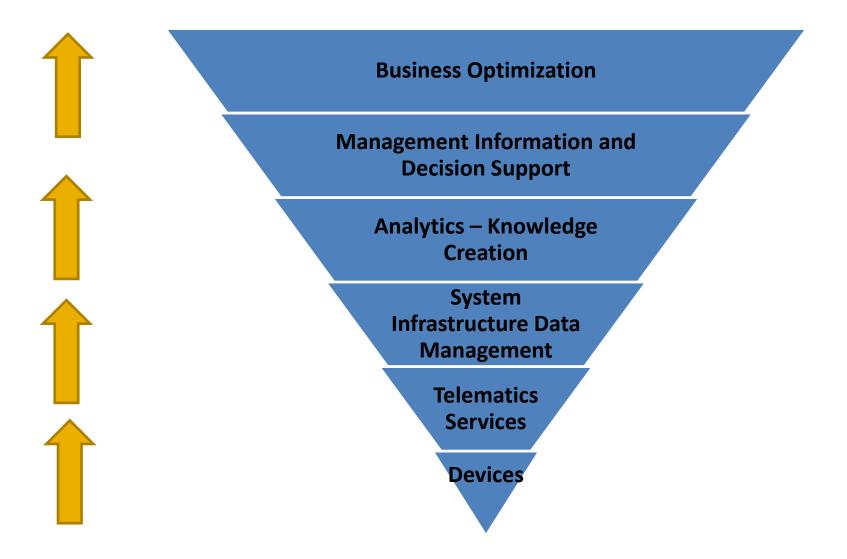


© 2013 Towers Watson. All rights reserved. Proprietary and Confidential.

28

towerswatson.com

# **UBI Value Pyramid**



### **Learning from Mistakes**

- Don't overspend on initial infrastructure
- Devices are just a tool, not the solution
- Find the right solution for your value proposition
- Get the data you need, not the data you're given
- Understand the consumer need
- Consumers will want choice
- Test, learn, and adapt



#### **Contact information**

#### Kelleen Arquette, FCAS, MAAA

(509) 258-8876

Kelleen.Arquette@towerswatson.com

#### **Towers Watson**

www.towerswatson.com