

















- Low-stakes testing
- raffic and tracking nonitored by international second
- Test vendor has built in security measures Used as 1st hurdle
- All job offers are contingent upon est score erification
- Proctored testing an option н.



Evolution of UT at **Riverside County**

Old UT Model

- Quasi-CAT assessments
- Unproctored testing by position
- Internal servers deliver test events monitor retest attempts
- Unique identifier based on email
- Score verification obtained by full retest and evaluated against SEM confidence interval

Old Model Issues

- Labor intensive maintenance
- Assessments delivered by email
- Test event self-destructs with one click
- Assessments not true CAT and limited to skills and BioData
- Unwieldy retest process

County-Wide Validation Study

Conducted in Spring 2009

- New CAT cognitive ability and personality assessments available
- Partnered with test vendor to validate the new assessments
- 26 Job Classes across 30 Departments sampled.

County-Wide Validation Study

 Job analyses conducted and the 23 classes were group by level, type, and common KSAs

- 7 Job families created
- 5 Were deemed suitable for study
 - Clerical
 - Public Safety
 - Technical
 - Professional

Proposed Assessments

- Proposed assessments were administered to candidates by email
 - Global Cognitive Index (GCI)
 - PreVisor Computer Adaptive Personality Scales (PCAPS)

GC

 Measures four separate components of cognitive ability
 Verbal Ability

- Quantitative Ability
- Deductive Reasoning
- Inductive Reasoning







- Evaluations included 21 performance dimensions
 Subset of 5 cognitive performance dimensions
- Four global performance ratings
- One composite score

| Estimated Validity | | | | | | | | | | |
|--|-----------------------------------|---------------------------------|---|--------------|-----------------------------|--------|------------------------|--------|--|--|
| Results for recommended test batteries | | | | | | | | | | |
| | Criterion Measure | | | | | | | | | |
| | Performance Area Composite | | Cognitive Performance Area Composite | | Overall Global Composite | | Total JPR Composite | | | |
| | Obs. | Corr.a | Obs. | Corr.a | Obs. | Corr.a | Obs. | Corr.ª | | |
| EL: GCI-Quant, GCI-Verbal + 7 PCAPS | .29** | .37 | .38** | .49 | .26** | .34 | .28** | .36 | | |
| PIC: GCI-Deductive, GCI- Quant + 4 PCAPS | .24** | .31 | .28** | .36 | .23** | .30 | .25** | .32 | | |
| *Correlation after correction Components within the con **p < .01, *p < .05, ^ p < .11 | n for reliabi nposites ai 0 | ility in the cr re optimally | iterion, usir weighted | ng nyy = .6(|) | | | | | |



6



Contributors that scored higher on the overall assessment battery were rated higher overall.

Adverse Impact?

- Cognitive ability assessments are known for having adverse impact
- GCI test scores are weighted and combined with PCAPS to reduce the potential for adverse impact
- Using the four-fifths (or 80%) rule, no adverse impact was observed from the validation

New UT Model

- True CAT assessments
- Unproctored testing by job family
- Vendor servers deliver test events monitor retest attempts
- Unique identifier based on static personal information
- Score verification obtained by CAT "ConVerge" session

New Model Benefits

- Testing system maintained primarily by vendor
- Assessments delivered by hyperlink
 Reusable or single-use
- Test event may be exited and re-
- Superior re-test control Assessments are true CAT and include cognitive ability and personality Accurate and streamlined retest process

Conclusion

Unproctored testing program was improved in multiple areas

- More powerful assessments
- More powerful assessments
 More cheat-resistant assessments and assessment system
 Better validation documentation
 More efficient tech support
 More opportunities for candidates One test score may be used for all

- One test score may be used for all positions within job family
 Improved candidate experience

Conclusion

- UT is not going away
- Our overall experience with UT has improved with
- advancements in technology
- UT assessments may be utilized for an increasing number of positions
- High volume testing is now as simple as posting a link...









Next Steps

- Analyze archival performance data to compare old model vs. new model
- Utilize UT for more positions
- Integrate testing platform with new web-based ATS
- Continue to monitor for adverse impact







