



#### **Advancing Tax Administration** ■ **June 19, 2014**

#### Session 3: Tax Uncertainty and Corporation Compliance

**Moderator:** 

John Guyton IRS, RAS, Office of Research

Large Corporation Schedule M-3 Book-to-Tax Profiles of Schedule UTP (Uncertain Tax Position) Filers and Non-Filers: 2010 – 2011

Lisa Rupert
IRS, Large Business & International

**Unintended Consequences of Linking Tax Return Disclosures of Tax Uncertainty to Financial Reporting for Tax Uncertainty** 

Erin M. Towery
University of Georgia

The Effect of CAP on Tax Aggressiveness

Andrew Duxbury
University of Connecticut

**Discussant:** 

Matt Smith Department of the Treasury, Office of Tax Analysis

## Schedule M-3 Profile of Schedule UTP Filers and Non-filers

IRS Research Conference Extract from Boynton-DeFilippes-Legel-Rupert Paper on "Large Corporation M-3 Profile of UTP Filers and Nonfilers for 2010-2011 Tax Years" June 2014



# THE OPINIONS EXPRESSED ARE THOSE OF THE AUTHORS AND DO NOT NECESSARILY REPRESENT POSITIONS OF THE U.S. DEPARTMENT OF THE TREASURY OR THE INTERNAL REVENUE SERVICE.



#### Agenda

- History of Schedule UTP and Background
- 2010 2011 M-3 Data for UTP Filers and Non-filers

- 2010 2011 UTP and M-3 Data Design
- \* 2010 2011 Summary



## HISTORY OF SCHEDULE UTP AND BACKGROUND



#### Schedule UTP Background

#### Introduced

 In 2010 for corporations with assets of \$100M or more with audited Financial Statements (FS) reporting uncertain tax positions in the income tax footnote and for certain related corporations

#### Purpose

To report some of the information from the FS income tax footnote

#### Goal

To increase transparency

#### Income Tax Footnote

 Required by U.S. generally accepted accounting principles (GAAP) under FAS 109 (ASC 740) and FIN 48 (ASC 740-10)



#### Schedule UTP Requirements

#### Schedule UTP requires taxpayers to report:

- Positions that affect the U.S. federal income tax liabilities of certain corporations that issue or are included in audited FS
- Relevant code sections
- A concise description of the issue(s)
- Dollar amounts are NOT required

#### The corporate asset reporting threshold:

- Assets of \$100M or more in tax years 2010 and 2011
- \$50M or more in tax years 2012 and 2013
- \$10M or more in tax years ending December 31, 2014 or later



#### Schedule UTP Comparison with Schedule M-3

#### Schedule UTP

- Reports the federal uncertain tax positions reserved on the FS with respect to items on the tax return the IRS may challenge on audit
- Generally relates to items reported on Schedule M-3 Parts II and III, tax credit amounts, and international issues reported on Forms 1118, 5471s, 5472s, etc.

#### Schedule M-3

- Part I reconciles worldwide consolidated book income to the book income reported on the consolidated tax return
- Parts II and III report the temporary and permanent adjustments from the various book income and expense items to the income and expense amounts for tax purposes

Schedule M-3 (M-3) and Schedule UTP (UTP) are complementary sources of taxpayer information

## 2010-2011 M-3 DATA FOR UTP FILERS AND NON-FILERS



#### 2010 (2011) M-3 Data for Form 1120 Corporations

- \* 40,740 (41,636) corporations in 2010 (2011)
- 12,044 (12,307) corporations have total assets of \$100M and potentially subject to UTP
- By FS Type
  - 3,446 (3,370) with SEC 10K/Public FS
  - 5,218 (5,396) with Audited FS
  - 3,380 (3,540) are Unaudited



#### 2010 and 2011 UTP Filers

#### All filers

- 2010 1,856 (15.4%) and 2011 2,074 (16.9%)
- SEC 10K/Public corporations
  - 2010 1,093 (31.7%) and 2011 1,227 (36.4%)
- Audited corporations
  - 2010 493 (9.4%) and 2011 535 (9.9%)
- Unaudited corporations
  - 2010 269 (8.0%) and 2011 311 (8.8%)



#### **UTP AND M-3 DATA DESIGN**



#### 2010 - 2011 UTP and M-3 Data Design

#### 2010 - 2011 UTP and M-3 Tables

- Distinguish UTP filer versus UTP non-filer by FS types
  - Non-filers include both those not required to file and those who fail to file
- \$100M or more in assets

#### Adjusted 2010 - 2011 M-3 Parts II and III Data

- Seven specified versus other-differences categories
- For book income, tax income, and Book-Tax-Difference (BTD) amounts
- By FS type (SEC 10K/Public, Audited, and Unaudited)
- By the presence or absence of Schedule UTP



#### Special Adjustments to Three M-3 Lines

- Cost of Goods Sold (COGS) is adjusted to remove the cost of securities/commodities reported on Schedule A using SOI data
- Other-income-items-with-differences is adjusted to remove Gross Receipts related to the COGS adjustment
- Other-items-with-no-differences is adjusted to remove Gross Receipts related to the COGS adjustment
- Other-items-with-no-differences is adjusted to remove expenses/deductionswith-no-differences creating two lines:
  - Adjusted Other income with no differences
  - Adjusted Other expense/deduction with no differences



## 2010 - 2011 SUMMARY TABLES: COMPARISONS OF FS TYPES FOR UTP FILERS AND NON-FILERS WITH SIGNIFICANT M-3 BTD



#### Categories in Summary Tables

- By FS and UTP for filers and non-filers
  - M-3 categories with BTD
    - Adjusted COGS
    - Specified Income
    - Adjusted Other Income with differences
    - Specified Expense/Deduction
    - Adjusted Other Expense/Deduction with differences
  - Other items
    - Pretax income
    - Tax Net Income
    - BTD
    - Increase or Decrease to Taxable Income



#### Notes for Summary Tables

- UTP filers and non-filers with \$100M or more in assets by FS types
- Significant BTD exceeding 1.5% of adjusted total book income
- BTD signs are positive and negative
  - Negative BTD reduce taxable income compared to book income
  - Table indicates significant BTD as T for Temporary and P for Permanent
- Red indicates negative BTDs and reductions in taxable income



## Significant BTD Exceeding 1.5% of Adjusted Total Book Income for Public Corporations

FS TYPE	2010 SEC		2011 SEC	
	<u>Filer</u>	<u>NonFiler</u>	<u>Filer</u>	<u>NonFiler</u>
COGS		+1.90T		-1.54T
Spec Inc	-2.99T	-3.46P	-2.02T	
Oth Inc	-1.52P	-2.89T		
SpecExp		-1.94T		-3.74T
Oth Exp				
Pretx Inc	17.88	16.75	17.82	12.04
Tax Inc	<u>12.91</u>	<u>10.52</u>	<u>14.18</u>	<u>7.17</u>
Total BTD	-4.97	-6.23	-3.64	-4.87
Inc/Decr	-27.8	-37.2	-20.4	-40.5



## Significant BTD Exceeding 1.5% of Adjusted Total Book Income for Audited Corporations

FS TYPE	2010 Audited		2011 Audited	
	<u>Filer</u>	<u>NonFiler</u>	<u>Filer</u>	<u>NonFiler</u>
COGS	+2.17T		+2.12T	
Spec Inc	+1.67T -1.95P		+1.57T -2.31P	
Oth Inc	-2.72T		-2.35T	
SpecExp	+1.54P	-1.61T	-5.95T +2.30P	-2.35T
Oth Exp	+3.51T			
Pretx Inc	5.58	6.98	10.72	7.73
Tax Inc	9.21	4.90	5.70	4.05
Total BTD	+3.63	-2.08	-5.03	-3.67
Inc/Decr	+65.1	-29.8	-46.9	-47.6



#### Significant BTD Exceeding 1.5% of Adjusted Total Book Income for Unaudited Corporations

FS TYPE	2010 Unaudited		2011 Unaudited	
	<u>Filer</u>	<u>NonFiler</u>	<u>Filer</u>	<u>NonFiler</u>
COGS				
Spec Inc	+1.85T +3.66P	-3.74P	+4.13P	
Oth Inc				
SpecExp	+1.70P	-1.86T	-2.40T	-2.87T
Oth Exp			1.58P	26.50T
Pretx Inc	4.84	13.53	5.63	-23.09
Tax Inc	<u>10.81</u>	4.81	<u>10.19</u>	3.23
Total BTD	+5.98	-8.72	+4.57	+26.33
Inc/Decr	+123.6	-64.5	+81.2	+114.0



## Thank you!

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## Unintended consequences of linking tax return disclosures of tax uncertainty to financial reporting for tax uncertainty

Erin Towery University of Georgia

IRS Research Conference June 19<sup>th</sup>, 2014



## Research question

➤ Broad: How do tax return disclosures linked to financial reporting disclosures affect firms' reporting decisions?

## Research question

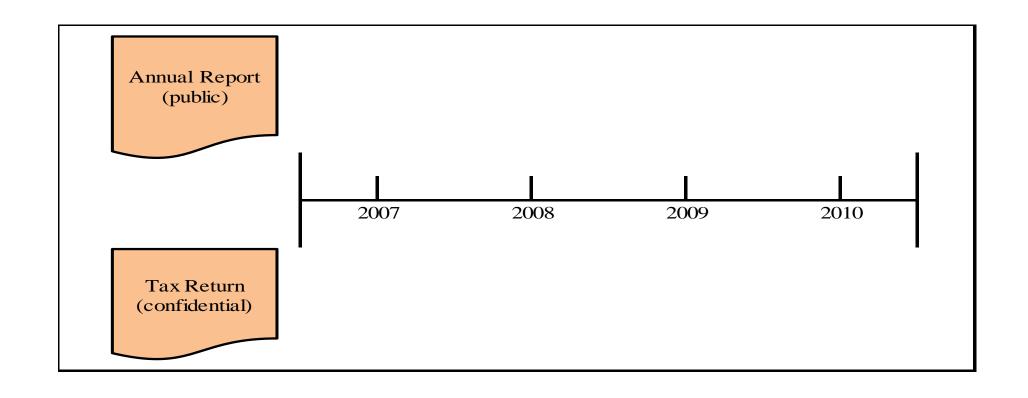
- ➤ Broad: How do tax return disclosures linked to financial reporting disclosures affect firms' reporting decisions?
- ➤ Specific: How does Schedule UTP affect:
  - Tax reporting decisions
  - Financial reporting decisions

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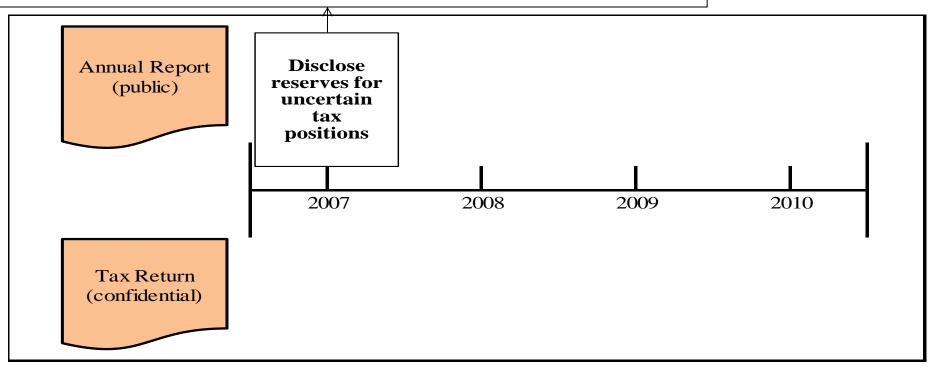
<u>Uncertain tax position</u>: A position, such as a deduction or a credit, that might not be sustained if challenged by the tax authority.

### Schedule UTP



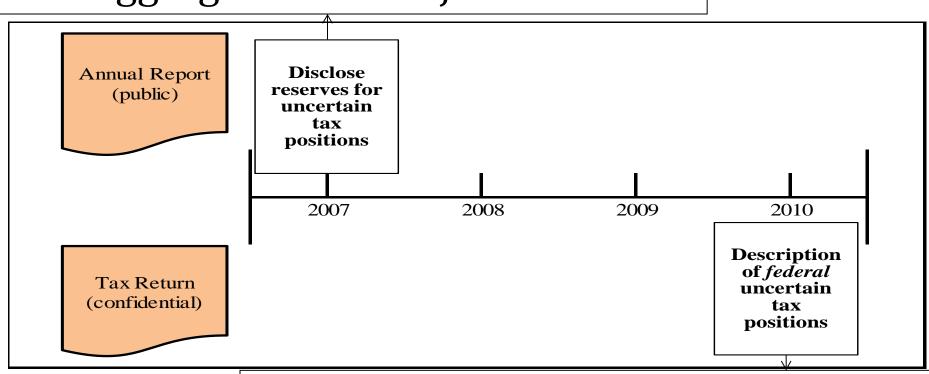
### Schedule UTP

Reserves aggregated across jurisdictions



#### Schedule UTP

Reserves aggregated across jurisdictions



Must disclose description, but not magnitude



#### Motivation & Contribution

- ➤ Abernathy et al. (2012) & Ferraro (2012) document decrease in reserves for UTBs in Schedule UTP regime
  - Confidential corporate tax return data uniquely enable me to disentangle tax and financial reporting decisions

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- ➤ Abernathy et al. (2012) & Ferraro (2012) document decrease in reserves for UTBs in Schedule UTP regime
  - Confidential corporate tax return data uniquely enable me to disentangle tax and financial reporting decisions
- Linking tax return disclosures to financial reporting disclosures can distort financial reporting decisions
- Tax disclosure initiatives increasingly common

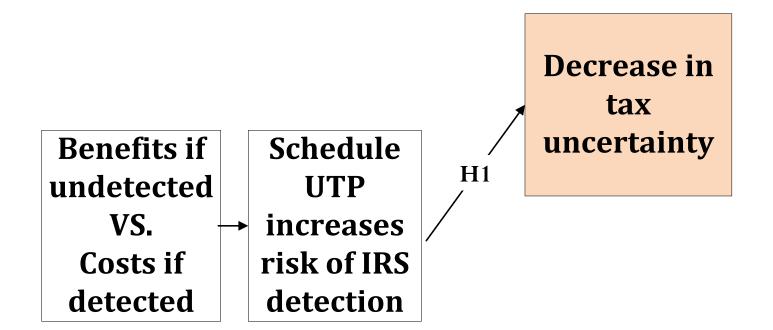


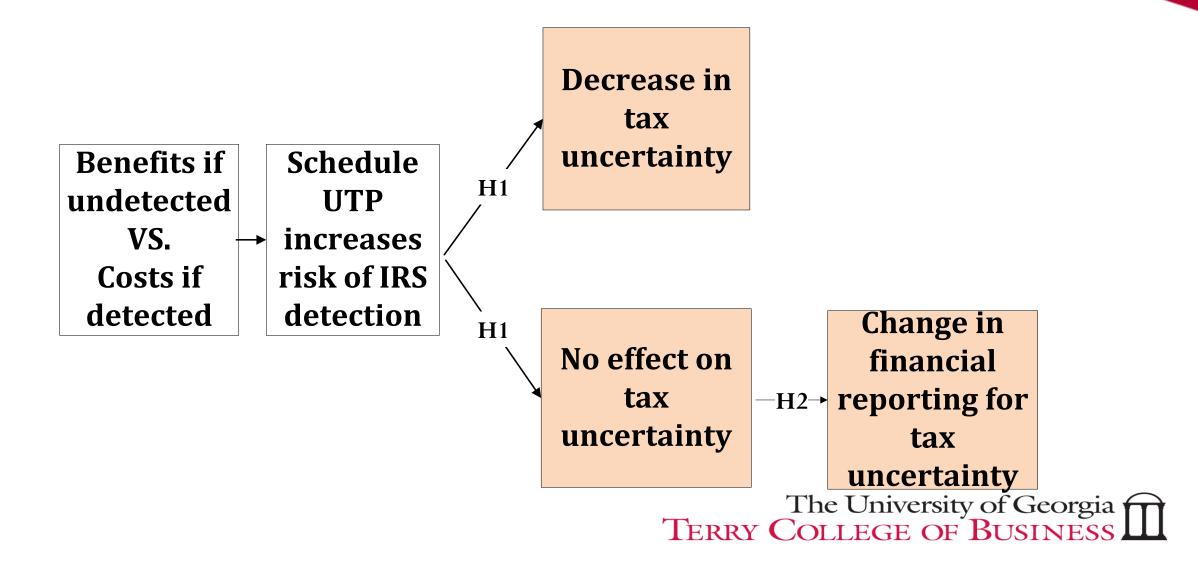
Benefits if undetected VS.
Costs if detected

Benefits if undetected UTP

VS. → increases

Costs if detected detection





## Research design

#### **≻**Model

```
FederalTaxPaid / TaxReserves = \beta_0 + \beta_1*UTPRegimeInd + \beta_2*UTPFirmInd + \beta_3*UTPRegimeInd*UTPFirmInd + Controls + FE
```

- o Sample: Firm-years from 2007-2011 with F/S and tax return data
- o Pre versus post; Treatment versus non-treatment



# Research design

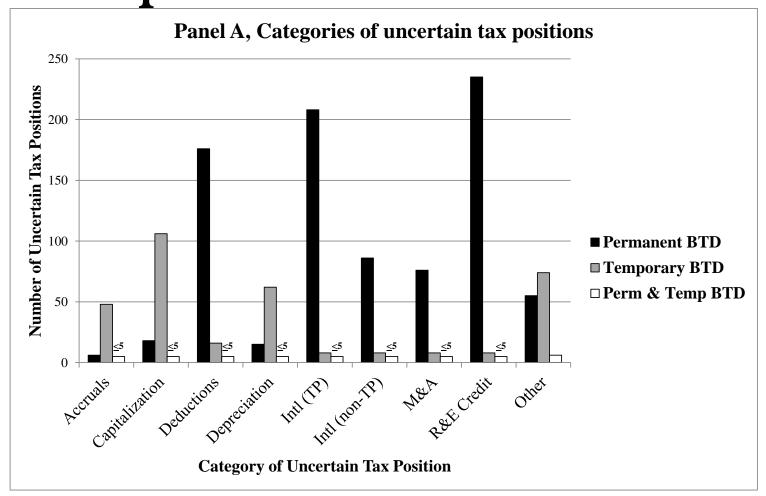
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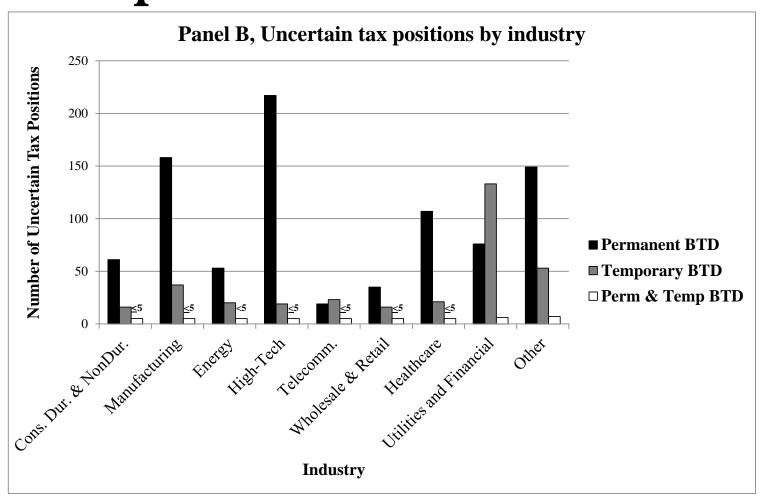
- o Sample: Firm-years from 2007-2011 with F/S and tax return data
- Pre versus post; Treatment versus non-treatment
- ➤ Dependent variables
  - o Federal TaxPaid: Federal taxes paid from tax return
  - o *TaxReserves*: Current year increases in tax reserves



# Composition of UTBs



# Composition of UTBs



## Effect of Schedule UTP

	DV: Federal	DV: Tax	DV: Federal	DV: Tax
	TaxPaid	Reserves	TaxPaid	Reserves
Intercept	0.4365 ***	-0.0437 ***	0.4393 ***	-0.0429 ***
	(0.0319)	(0.0047)	(0.0335)	(0.0051)
UTPRegimeInd	-0.0235 ***	-0.0037 ***	-0.0021	0.0001
	(0.0033)	(0.0005)	(0.0114)	(0.0016)
UTPFirmInd			0.0224 *	0.0043 **
			(0.0121)	(0.0017)
UTPRegimeInd*UTI	PFirmInd		-0.0237 **	-0.0041 **
			(0.0119)	(0.0017)
Controls				
N	5,121	5,121	5,121	5,121
R-squared	0.1279	0.1071	0.1288	0.1084



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R-squared	0.1279	0.1071	0.1288	0.1084



## CIC versus Non-CIC

	DV: Federal TaxPaid	DV: Tax Reserves
Intercept	0.4154 ***	-0.0295 ***
	(0.0502)	(0.0075)
UTPRegimeInd	-0.0248 ***	-0.0032 ***
	(0.0043)	(0.0007)
CICInd	-0.0072	0.0036 **
	(0.0093)	(0.0015)
UTPRegimeInd*CICInd	-0.0058	-0.0024 *
	(0.0073)	(0.0012)
Controls		
N	4,579	4,579
R-squared	0.1291	0.109



## CIC versus Non-CIC

	DV: Federal TaxPaid	DV: Tax Reserves
Intercept	0.4154 *** (0.0502)	-0.0295 *** (0.0075)
UTPRegimeInd	-0.0248 *** (0.0043)	-0.0032 *** (0.0007)
CICInd	-0.0072 (0.0093)	0.0036 ** (0.0015)
UTPRegimeInd*CICInd	-0.0058 (0.0073)	-0.0024 * (0.0012)
Controls		
N	4,579	4,579
R-squared	0.1291	0.109



# Sensitivity analyses

- > Results robust to:
  - Changes specification
  - Including measure of earnings management in model
  - Quantile regression
  - Holding sample constant over time period
  - o Removing firms with large consolidation differences
  - Alternative winsorization levels
  - Holding GAAP pretax income constant



## Conclusion

➤ Use confidential corporate tax return data and public financial statement data to investigate the effect of Schedule UTP on reporting decisions

## Conclusion

- ➤ Use confidential corporate tax return data and public financial statement data to investigate the effect of Schedule UTP on reporting decisions
- ➤ Results suggest firms found ways to avoid recording reserves to avoid disclosing positions on Schedule UTP
  - Linking tax return disclosures to financial reporting disclosures can distort financial reporting decisions



## The Effect of CAP on Tax Aggressiveness

Amy Dunbar and
Andrew Duxbury
University of Connecticut

#### What is CAP?

• Collaborative process to identify and resolve potential issues before the tax return is filed

• IRS goal is to conduct and efficient and focused audit

• Began in 2005 and made permanent in 2011

### **Research Question**

- Are CAP taxpayers more compliant before admission to CAP?
- Do they become more compliant after admitted?
  - Compliance is difficult to measure
  - We use the opposite of compliance tax aggressiveness

#### **Motivation**

• GAO has recommended a CAP evaluation to determine effectiveness

• If effective, expansion can result in more efficient use of IRS resources

• If ineffective, specific goals can be defined

#### Who can be in CAP?

• Assets at least \$10M

• Public entity with SEC financials

Not be in litigation with government agency

• Transparent and cooperative with IRS

#### Who does the IRS select?

• Did the IRS choose tax "angels"?

• Do firms become more "angelic" after entering CAP?

- Research Design:
  - Use a matched sample of CAP and nonCAP firms
  - Compare proxies for tax aggressiveness

#### **CAP Benefits**

- Benefits IRS
  - Lowers cost of audits
  - Voluntary compliance
  - Early ID of emerging Issues
- Benefits Taxpayers
  - Certainty Sooner
  - Reduces F/S Risk

#### **Prior Research**

- Strategic Game
  - Graetz, Reinganum and Wilde (1986)
- Voluntary disclosure
  - Penalty Protection (Beck, Davis and Jung 2000)
  - If detection is high, taxpayers will be transparent (DeSimone, Sansing, and Seidman 2013)
- Beck and Lisowsky (2014)
  - Moderate sized FIN 48 reserves are more likely to participate
  - Moderate sized reserve balances decreased

## **Descriptive Statistics – Firm Characteristics: 2004-2012**

	CA	P	Non	CAP
	N	mean	N	mean
SIZE	979	9.108	1421	8.861
<b>FOREIGN</b>	979	0.529	1421	0.602
CFO	978	0.100	1421	0.108
ROA	979	0.008	1421	-0.020
NOL	979	0.381	1421	0.480
Leverage	973	0.216	1419	0.194
MTB	956	4.096	1358	3.531
RD	979	0.013	1421	0.015
CAPINT	952	0.571	1308	0.544
INTAN	969	0.198	1412	0.205

#### Firm Characteristics

- CAP firms are larger and more leveraged
- CAP firms are as expected:
  - Lower foreign income percent
  - Lower cash flow
- CAP firms are as not expected
  - Higher ROA
  - Lower NOL
  - Higher Capital Intensity

## Tax Aggressiveness Measures: 2004-2012

	CAP		NonCAP	
	N m	nean	N	mean
ETR	368 0.	314	645	0.308
CETR	368 0.	297	645	0.294
TXWW_ETR	368 0.	273	645	0.270
TXFED_ETR	<b>3</b> 68 <b>0</b> 8	272	645	0.299
TXFO_ETR	362 <b>0</b> .	312	619	0.274
CashETR	365 0	254	643	0.253
LRCashETR	290 0.	257	495	0.26
BTD	213 0.	035	419	0.035
PBTD	213 0.	027	419	0.03
UTB	226 <b>0</b> .	009	398	0.014
<b>UTB-ETR</b>	226 <b>0</b> .	006	398	0.011

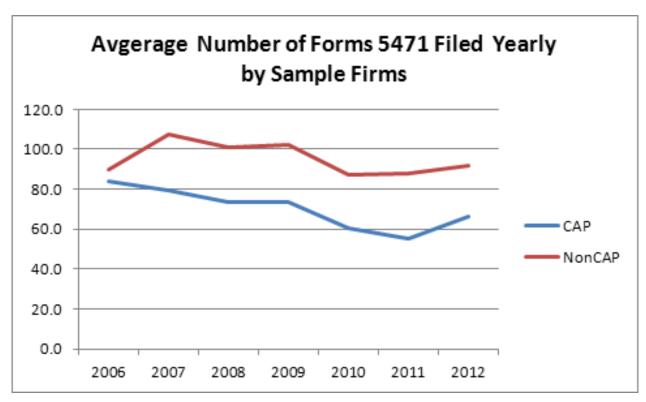
## **CAP/NonCAP Sample UTB**

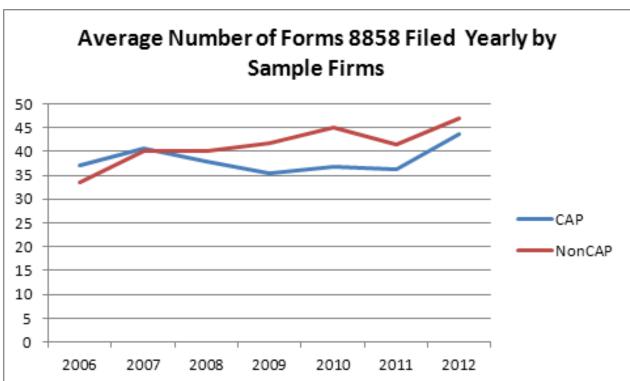
			•		
	200'	7		2010	
NonCAP	139	0.012	NonCAP	160	0.011
CAP	95	0.011	CAP	110	0.008
CAP years	42	0.009	CAP years	86	0.007
	2008	8		2011	
NonCAP	160	0.012	NonCAP	156	0.011
CAP	110	0.01	CAP	110	0.006
CAP years	66	0.01	CAP years	108	0.006
	2009	9		2012	
NonCAP	160	0.012	NonCAP	152	0.011
CAP	110	0.01	CAP	105	0.01
CAP years	79	0.009			

### Tax Aggressiveness

- CAP firms have lower federal but higher foreign ETRs compared to nonCAP firms
- CAP firms have lower UTBs and UTB-ETR than non-CAP
- Overall, univariate results suggest that CAP firms are similar to but perhaps slightly less aggressive than nonCAP firms.

### CFCs versus Disregarded Entities





### **Tax Havens: 2006-2012**

	CAP			N	NonCAI	
Countries	Big 7	Dots	Dyreng	Big 7	Dots	Dyreng
Cayman Islands		1,636	1,636		1,574	1,574
Bermuda		997	997		692	692
Hong Kong	807			1,891	5,673	
Singapore	693	693	693	1,673	0	1,673
Switzerland	552	552	552	1,450	0	1,450
Ireland	461	461	461	1,121	0	1,121
Luxembourg		441	441		861	861
<b>Haven Percent</b>	9.1%	19.5%	19.5%	8.5%	13.5%	13.3%

#### **Tax Havens**

• CAP firms have substantially more subsidiaries in dot havens and Dyreng and Lindsay tax havens

• CAP firms have higher ETR in tax haven countries and lower tax rates in non-haven countries

• Less aggressive income shifting?

## Multivariate Results: Estimates of Tax Rates on Pretax Income

	TXWW	<b>TXFED</b>	TXFO
PI/PIDOM/PIFO	0.2843	0.3068	0.2109
CAP	0.001	-0.0009	0.0007
PI/PIDOM/PIFO *CAP	0.013	-0.0107	0.0358
SIZE	-0.0008	-0.0002	-0.0002
FOREIGN	-0.0014	-0.0004	0.0014
NOL	-0.0024	-0.0024	0.0002
Leverage	-0.0047	-0.0048	0.0007
MTB	0.0001	0.0001	0.0000
RD	-0.0411	0.0183	-0.0149
CAPINT	-0.0015	-0.0052	0.0018
INTAN	-0.0011	-0.0048	0.0014

#### **Multivariate Results**

- Inconclusive results
- Higher tax rates on foreign income
  - Suggests CAP firms engage in less income shifting
  - Mitigates incentive to shift income out of the U.S.
- RD is negative for foreign and positive for domestic
  - Suggests CAP offshore less IP

#### **Conclusion**

- Descriptive statistics indicate that CAP firms are may be more compliant than non-CAP firms
- CAP firms have more tax haven subsidiaries
  - But they have higher ETRs which suggest they shift less income
- Multivariate results suggest CAP firms may engage in less income shifting

## Discussion

**Matt Smith** 

Office of Tax Analysis

**US Dept of Treasury** 

# CAP & Tax Aggressiveness

- Are CAP firms less tax aggressive?
  - Mixed evidence: tax haven activity vs ETR
  - Domestic ETR is unaffected
  - Propensity to identify income as domestic?

# CAP & Tax Aggressiveness

- Does CAP change firm behavior?
- Options:
  - Pre/post summary stats
  - Difference -in-difference
  - Interesting question: do firms dispose of CFCs and foreign disregarded entities?

### **Uncertain Tax Positions**

- FIN 48 (2007) & Schedule UTP (2010)
- Towery: Does schedule UTP influence financial reporting?
- Boynton, Rupert, et al.: Does schedule UTP help identify tax aggressive firms?

Yes and No

## Towery:

- Main results:
  - Financial reported tax reserves decrease in response to UTP requirements
  - Tax aggressiveness does not decrease in response to UTP requirements.
  - Does tax aggressiveness increase?
    - ETR measure: federal tax / book income
    - mechanical change in income due to fewer reserves?

# Towery

### Potential updates:

- Discontinuity design: compare firms just above and below threshold of \$100 million
- Link between tax reserves and tax aggressiveness for 2007-2009.
- Meaningful intercepts

# Boynton, Rupert, et al.

### Main Findings

- Schedule UTP filers are no more likely to reduce taxable income through BTDs
- In 2010, UTP filers *less likely* to reduce taxable income through BTDs.

# Boynton, Rupert, et al.

### Remaining Questions:

- Relationship between UTP filing and BTD by line item.
  - Do UTP filers identify items with large BTD as uncertain benefits?
- UTP and domestic vs foreign income.
  - Does UTP help identify income that should be attributed to tax entity? Or identified as domestic?





#### **Advancing Tax Administration** ■ **June 19, 2014**

### Session 3: Tax Uncertainty and Corporation Compliance

**Moderator:** 

John Guyton IRS, RAS, Office of Research

Large Corporation Schedule M-3 Book-to-Tax Profiles of Schedule UTP (Uncertain Tax Position) Filers and Non-Filers: 2010 – 2011

Lisa Rupert
IRS, Large Business & International

**Unintended Consequences of Linking Tax Return Disclosures of Tax Uncertainty to Financial Reporting for Tax Uncertainty** 

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The Effect of CAP on Tax Aggressiveness

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**Discussant:** 

Matt Smith Department of the Treasury, Office of Tax Analysis