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Incentives for Tax Planning and Avoidance: Evidence from the Field

John R. Graham

Duke University john.graham@duke.edu

Michelle Hanlon

Massachusetts Institute of Technology <u>mhanlon@mit.edu</u>

Terry Shevlin University of California, Irvine <u>tshevlin@uci.edu</u>

Nemit Shroff Massachusetts Institute of Technology <u>shroff@mit.edu</u>

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ABSTRACT: We analyze survey responses from nearly 600 corporate tax executives to investigate firms' incentives and disincentives for tax planning. While many researchers hypothesize that reputational concerns affect the degree to which managers engage in tax planning, this hypothesis is difficult to test with archival data. Our survey allows us to investigate reputational influences and indeed we find that reputational concerns are important – 69% of executives rate reputation as important and the factor ranks second in order of importance among all factors explaining why firms do not adopt a potential tax planning strategy. We also find that financial accounting incentives play a role. For example, 84% of publicly traded firms respond that top management at their company cares at least as much about the GAAP ETR as they do about cash taxes paid and 57% of public firms say that increasing earnings per share is an important outcome from a tax planning strategy.

Keywords: Tax avoidance, Tax planning, Reputation, Financial accounting incentives, *JEL Classification*: D83; G31; M41.

Data availability: Survey responses are confidential. Other data are available from public sources identified in the paper.

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I. INTRODUCTION

In this paper, we examine the determinants of managers' willingness to engage in tax planning strategies by directly asking tax executives about their incentives via a survey.¹ Although prior research discusses some of the incentives for firms to engage (or not engage) in tax planning, the empirical evidence on these incentives is mixed, likely because of difficulties in measuring tax planning strategies and managerial incentives using archival data (Hanlon and Heitzman 2010). The primary benefit of using survey methodology is that we gain direct insights about (stated) managerial motives, which are unobservable using archival data.² Our intent is to conduct new tests, as well as complement and extend the predictions and evidence found in empirical-archival studies. Accordingly, we use prior literature as the basis for our survey questions and focus on research questions that are difficult to address with archival data or that have mixed and conflicting empirical evidence.

Our first objective is to investigate whether reputational concerns are a significant factor when firms make decisions about tax planning. Some have conjectured that reputational concerns lead some firms to limit tax planning. For example, Bankman (2004) suggests that a firm that aggressively avoids taxes may be labeled a "poor corporate citizen," which might adversely affect product market outcomes. In addition, an Ernst & Young (2011) report discusses a new breed of tax activism where activist groups and the media bring attention to companies not paying 'their fair share' as discussed further below. Hanlon and Slemrod (2009) attempt to test the hypothesis that reputation matters using both a sample of firms accused of tax sheltering as well as a sample

¹ Throughout this paper we use the terms "tax avoidance" and "tax planning" interchangeably. We follow Hanlon and Heitzman (2010) and define tax avoidance broadly as the reduction of explicit cash taxes, which includes all transactions from investing in a municipal bond to engaging in tax shelters.

 $^{^{2}}$ We recognize that the survey approach has limitations as well, such as a potential reluctance to truthfully disclose tax planning and avoidance activity. Below we discuss both the benefits and costs of the survey approach.

of firms listed by the Citizens for Tax Justice as being poor corporate citizens for having low tax rates. The authors find some limited evidence consistent with reputational concerns being a viable disincentive to tax plan. They document a more negative market reaction to news of using a tax shelter for firms in the retail industry relative to firms in non-consumer products industries.³ However, in a study of 113 firms subject to public scrutiny for having engaged in tax shelters, Gallemore, Maydew, and Thornock (2013) find no evidence of a reputation effect in terms of CEO and CFO turnover, auditor turnover, lost sales, increased advertising costs, and decreased media attention. Indeed, doubts about whether reputation effects for tax avoidance exist are conveyed by Alan Murray in a *Wall Street Journal* article who states "Lying to the IRS doesn't generate the same public outrage as lying to shareholders. In some quarters of the country, it is almost seen as a patriotic act" (Murray 2002, A4).

An important limitation of tests that examine the reputational consequences for firms that were publicly identified as engaging in tax shelters is that the sample includes firms that chose to engage in the shelter and were caught. The researchers in these studies cannot account for the possibility that *ex ante* reputation concerns deter the firms and the strategies that are most likely to result in reputation penalties. In other words, whether reputation concerns constrain tax planning is not measurable in archival tests of tax shelter firms because strategies that firms do not employ because of reputational concerns are not observed.⁴ Another method of testing reputation and tax planning measures. Tests of this

³ Hanlon and Slemrod (2009) also test advertising and brand value but find insignificant results. Hanlon, Mills, and Slemrod (2007) examine corporate tax non-compliance and report a negative and significant coefficient on advertising expense (scaled by assets) in a regression where tax deficiency (scaled by sales) is the dependent variable. While not their central hypothesis, the authors offer an expost explanation that this result may be due to negative publicity from being a bad corporate citizen (Hanlon et al. 2007, 201).

⁴ The limitation of the absence of a counterfactual is recognized by these previous authors. In addition, as the other authors also note, some firms engage in tax shelters but are not caught, and thus are not identified as shelter firms in archival-empirical papers.

nature are useful but identification is difficult because reputation as a construct is difficult to measure and outcomes of tax planning strategies are not always reflected in financial statements, as discussed by McGill and Outslay (2004), particularly their discussion of how Enron's tax strategies were not reflected in financial statement measures.⁵

The survey approach is valuable in this setting because we can directly ask tax executives "why did your company not engage in a tax strategy." Our survey results provide evidence that the potential for an adverse effect on company reputation significantly constrains firms' incentives to engage in tax planning strategies, with 69% of our survey respondents, including 72% of publicly traded respondents, indicating that reputation concerns are 'important' or 'very important.' Indeed, concern about reputation ranks second only to the concern that a tax strategy might not pass the judicial standard of "business purpose/economic substance."⁶

We then use our data to examine the determinants of these reputation concerns in terms of the types of firms that are concerned about reputation. We find that publicly traded companies, larger companies, more profitable companies, and companies in the retail industry are significantly more concerned about the adverse reputation consequences of tax planning. We also test whether concerns about reputation are associated with higher tax rates, measured several ways. We find evidence consistent with reputation concerns being significantly associated with higher long-run cash ETRs and lower probabilities of engaging in tax shelters as measured by the Lisowsky (2010) score.

Our second objective is to examine the role of financial accounting effects in tax planning decisions. Primarily, we are referring to the fact that when reported tax expense (i.e., the GAAP

⁵ Although not testing reputation per se, related studies have tested the effect of political costs on effective tax rates using size as a proxy for political costs (Zimmerman 1983) and whether or not the company is in the defense industry (McIntyre et al. 2011 and Mills et al. 2012). We discuss anecdotal evidence below.

⁶ We discuss business purpose and economic substance below.

ETR) is lower, reported financial accounting earnings are higher.⁷ There is a long book-tax tradeoff literature on how tax planning is affected by accounting method and reporting choices (Shackelford and Shevlin 2001). In addition, recent studies suggest that tax departments are often operated as profit centers (Robinson, Sikes, and Weaver 2010), tax strategies are engaged in with the goal of improving accounting outcomes (e.g., Desai and Dharmapala 2006), and tax policy responsiveness is constrained by accounting effects (Shackelford, Slemrod, and Sallee 2011). We extend this line of inquiry by asking companies directly about their prioritization of tax and accounting goals. We find that 47% of the tax executives in publicly traded companies state that top management values the GAAP ETR more than the cash taxes paid and in another 37% of public firms the two metrics are equally valued by top management. Thus, in 84% of the public companies, the accrual accounting measure of taxes that affects reported accounting earnings is at least as important as the cash taxes paid. In cross-sectional analyses, we find evidence consistent with the prioritization of accounting earnings over cash taxes being significantly more likely when the firm is under greater capital market scrutiny, as proxied by being publicly traded, having high analyst following, or having high institutional ownership. For example, as compared to the 84% of public companies noted above, only 48% of private firms respond that the GAAP ETR is at least as important as cash taxes paid. Thus, our data provide direct evidence about how important accounting earnings are to companies with capital market incentives.

We also ask the respondents 1) about the frequency with which tax planning strategies are pitched to their firm by accounting, law, investment or tax consulting firms as a way to increase financial accounting earnings, 2) whether accounting concerns are important when deciding

⁷ Engle et al. (1999) examine companies' use of debt-equity hybrid securities and how these securities allowed the firm to treat the security as debt for tax purposes (i.e., deduct interest expense for tax purposes) but treat the security as equity for financial accounting purposes thus improving their debt-equity ratios, thus also highlighting the balance sheet ratio focus in that setting.

whether to engage in tax planning, and 3) about the trade-off between *cash taxes* and financial accounting earnings per share (EPS) in the context of tax planning. Our survey evidence suggests that financial accounting earnings are important. For example, 32% of all firms in our sample (35% of the public firms) indicate that the tax planning strategies marketed to their firm were 'always' or 'often' marketed as a way to increase earnings. Further, we find that 61% of the surveyed companies (71% of the public and 23% of the private companies) say that it is important that a tax strategy does not reduce EPS and 49% of the surveyed companies (57% of the public and 22% of the private companies) respond that it is important that the strategy actually leads to higher EPS.⁸ The stated importance of financial accounting earnings on the incentive to engage in tax planning provides direct evidence on the predictions and hypotheses about the interaction of financial statement effects and tax planning put forth in recent studies.⁹

We also examine determinants of the importance rating of financial concerns and find that the primary driver is capital market incentives. Publicly traded firms, larger firms, firms with high analyst following, and firms with high institutional ownership are significantly more concerned than other firms about the financial reporting effects of tax planning strategies. Overall, we conclude that capital market scrutiny is the primary determinant of the extent to which financial reporting considerations affect tax planning incentives. With respect to the consequences, we do not find consistent evidence that firms that say financial reporting considerations are important for tax planning have different outcomes in terms of their GAAP or cash ETRs and tax sheltering probabilities as conventionally measured in the literature.

Our paper contributes to the literature on determinants of corporate tax avoidance by directly asking tax executives about reputational concerns – a factor difficult to test with empirical

⁸ Note that the differences in importance ratings between public and private companies are statistically significant at the p<0.10 level or better in the tests above.

⁹ Examples include Robinson et al. (2010), Shackelford et al. (2011), Graham et al. (2011), Hanlon (2012), and Desai and Dharmapala (2009a).

data. We provide evidence that reputational concerns are an important factor that limits the extent to which companies engage in tax planning. Our paper also contributes to the book-tax tradeoff literature through our direct inquiry of executives about the effects of financial accounting on tax planning decisions.

Next, Section II discusses the survey methodology. Section III provides descriptive statistics about our sample firms and discusses tests of nonresponse bias. Section IV presents survey questions and results and Section V concludes.

II. SURVEY METHODOLOGY AND SAMPLE¹⁰

We developed our survey instrument with the support of the Tax Executives Institute (TEI) and PricewaterhouseCoopers (PWC).¹¹ We solicited feedback from several academic researchers, TEI, and PWC on the survey content and design. Survey Sciences Group (SSG), a survey research consulting firm, assisted with the survey formatting and programed an online version. We had two companies beta test the survey and we made revisions based on their suggestions. The final survey contained 64 questions, most with subparts. The paper version of the survey was 12 pages long. There were many branching questions and, as a result, many firms were directed to answer only a portion of the questions. See www.ssgresearch.com/taxsurvey for the online version of the survey. The paper version is available upon request.

¹⁰ The survey has four parts. One section asks detailed questions about reputational and financial accounting concerns, the subject of the current paper. Another section gathers general demographic and descriptive questions about the companies, which we use for conditional analyses. A third section of the survey explores location and reinvestment/repatriation decisions, which is the focus of Graham, Hanlon, and Shevlin (2011). A fourth section focuses on the 2004 American Jobs Creation Act and repatriation decisions in response to that Act including, sources and uses of cash repatriated. The analyses of the data from this fourth part of the survey is summarized and discussed in Graham, Hanlon, and Shevlin (2010). The discussion in this section closely follows that in Graham et al. (2011) and Graham et al. (2010) because the survey instrument is the same across the three papers.

¹¹ TEI is an association whose members are top executives responsible for the tax affairs of U.S. and foreign businesses. The member companies are from a wide range of industries. TEI was founded in 1944 and provides networking opportunities, conferences, and educational opportunities for its members.

We emailed an invitation initially on August 9, 2007 to the 2,794 member firms of TEI. We examined the list of Fortune 500 companies and identified 45 firms that were not members of TEI. For these firms, PWC supplied the tax executive's name and email address. Three email invitations were returned as undeliverable. On August 15, 2007, we sent a letter via two-day express mail to 15 companies for which we did not have email addresses. A total of 2,806 companies received invitations to complete the survey. SSG sent three email reminders throughout August and September. We then sent a paper version of the survey along with a letter with instructions of how to complete the questionnaire online during the last week of September and the first week of October. We closed the online survey on November 9, 2007.

A total of 804 firms accessed the survey. Sixty of these companies entered no more than two responses and thus we delete them from our sample, leaving 744 usable responses. The response rate for our survey is 26.5%, which compares favorably to many prior survey studies.¹² Because our interests are about U.S. firms incentives for tax planning and avoidance, we eliminate 11 firms that indicate they are not subject to the U.S. corporate income tax (i.e., businesses not taxed at the entity level, such as S corporations and other flow-through entities). We also eliminate 29 companies that indicate that they did not file a corporate income tax return based on the assumption that these companies are not C corporations. We restrict the sample further by eliminating firms that are subsidiaries of foreign parents since their tax planning incentives are likely to be affected by the tax rules and enforcement in the parent's home country. This leaves 595 remaining firms on which we conduct our analyses. The sample size varies across questions due to branching or incomplete responses for a particular question.

¹² For example, Graham, Harvey, and Rajgopal (2005), Brav et al. (2005), Slemrod and Venkatesh (2002), Graham and Harvey (2001), Slemrod and Blumenthal (1996), and Trahan and Gitman (1995) report response rates of 10.4%, 16%, 9-12%, 9%, 21.8%, and 12%, respectively.

There are caveats and limitations to survey research. First, firms that decide to answer the survey may be systematically different than firms that do not answer the survey. We address this concern by comparing our survey respondents to the typical Compustat firm to get a sense of the size and other characteristics of our sample firms relative to the typical sample of firms included in the extant literature. In addition, we also compare firms that responded to the survey with firms that did not respond, with the data tabulated and discussed below in Section III.

Another concern with survey based research is that it is plausible that survey respondents do not answer truthfully. There is no way to completely eliminate this possibility; however, we took many precautions in an effort to encourage truthful responses. For example, when asking about an aggressive tax strategy, we did not directly ask whether the firm of the survey respondent engaged in tax shelters. Rather, we asked how often tax strategies were marketed to the firm, did the extent of marketing change over time, and what factors affected firms' choices to *not* engage in such a strategy. Thus, we are able to gather insightful data while at the same time mitigating the inclination to lie or to simply not respond to the survey.¹³

Finally, other concerns about surveys include the possibility that respondents may not have understood some questions or may have answered questions randomly. We attempted to mitigate these concerns by having academics, practitioners, and a set of beta firms carefully review the survey before it was distributed. We also employed a professional survey consulting firm to assist in programming the survey online and in designing the questions. We employ cross-sectional tests that suggest that respondents did not answer the questions randomly. However, our results should still be interpreted cautiously in light of these potential caveats.

¹³ We took the efforts just described to avoid untruthful responses, but realistically we have no reason to believe that tax directors colluded and lied about the relative importance of financial accounting and reputation effects in their tax planning activities. Our survey results obtained through direct questioning of tax executives triangulate and confirm archival empirical literature on book-tax tradeoffs and go one step further to ask about the importance of reporting increases in after-tax reported earnings when tax planning.

III. DESCRIPTIVE STATISTICS AND RESPONSE BIAS TESTS

We gather demographic information on the survey instrument and merge the survey responses of public firms with data from Compustat to obtain more detailed information. Table 1 presents the descriptive statistics of our sample firms. Survey responses indicate that 76.6% of our sample firms are publicly listed. The average firm in our sample has \$8.8 billion in assets (*Assets*), with the average public (private) firm having \$10.4 billion (\$2.3 billion) in assets (untabulated). Survey responses also indicate that the average firm in our sample has 19.2% of its assets in foreign locations (*Foreign Assets*) and a *GAAP ETR* of 30.5%.¹⁴ Finally, our survey data indicate that 46.3% of our sample firms have a U.S. net operating loss carryforwards (*US NOL*).¹⁵

Additional data from Compustat indicate that the average public firm in our sample has \$5.7 billion in sales (*Sales*), a market capitalization (*MVE*) of \$8.3 billion and earns a 6.5% return on assets (*ROA*). The sales and asset growth (*Sales Growth*; *Asset Growth*) for the average public firm in our sample are 14.1% and 13.6%, respectively. Only 25% of the public firms in our sample invest in R&D or advertising (*R&D Intensity*; *Advertising Intensity*) and the average *R&D Intensity* (*Advertising Intensity*) is 2.6% (1.4%), where *R&D Intensity* (*Advertising Intensity*) is R&D (advertising) expense scaled by assets. The average public firm in our sample is followed by nine analysts (*Analyst Following*) and has 50.7% institutional ownership (*Institutional*)

¹⁴ GAAP ETR is defined as the total income-tax expense scaled by pre-tax book income.

¹⁵ We compare our data to Compustat and find that 39% of Compustat firms in 2006 report an NOL carryforward (measured as having a positive tax loss carryforward, which when measured by Compustat does not distinguish among state, federal or foreign). Next, we find that of our survey respondents that are also on Compustat, 40% have NOLs (per the Compustat variable) and this percentage is statistically indistinguishable from the 39% reported for the entire Compustat population. Thus, our sample is similar to the Compustat population with respect to reported net operating loss carryovers. Upon further examination, we find that a substantial number of these firms have a positive federal current tax expense. Thus, it appears that these firms pay U.S. taxes despite the federal net operating loss carryover. One explanation is that the firms have acquired losses that are not immediately available for use against the acquiring company's taxable income (e.g., the losses are limited under Section 382). We recognize also though that current tax expense may not be equivalent to cash taxes paid and may represent some accounting accruals. Overall, to the extent that the NOLs are not immediately usable, the firms that have these NOLs are not non-tax paying firms and the results should be interpreted with this in mind.

Ownership). Further, the average public firm has unsigned abnormal accruals (/*Abnormal Accruals*/) amounting to 9% of its total assets and a financial distress score (*Altman's Z-Score*) of 4.4 based on Altman (1968 and 2000).

In terms of tax planning proxies used in prior research, we find that the average public firm in our sample has an annual cash ETR (*Cash ETR*) of 28.2%, a 3-year cash ETR (*3-Yr Cash ETR*) of 27.4%, a 94.4% probability of investing in a tax shelter using Lisowsky's (2010) measure [*P*(*Tax Shelter*)], and tax aggressiveness score of 0.03 based on the discretionary permanent booktax differences (*DTAX*) measure proposed by Frank, Lynch, and Rego (2009).¹⁶ These values are largely consistent with that documented in prior research. For example, Chyz (2012) finds that the median *P*(*Tax Shelter*) in his sample ranges from 80% to 94% with higher values for larger firms and Rego and Wilson (2008) find a median value of 0.04 for *DTAX* in their sample. Although consistent with prior research, the high probability of engaging in tax shelters [*P*(*Tax Shelter*)] raises questions about the interpretation of the variable. We note that for the purpose of our paper, we are interested in capturing the cross-firm variation in the probability of engaging in tax shelters with *P*(*Tax Shelter*) rather than the absolute magnitude of this variable.

Table 2 presents descriptive statistics for the average Compustat firm, the average survey respondent, and the average survey non-respondent.¹⁷ Our average surveyed firm is larger than the average Compustat firm in terms of *Assets, MVE*, and *Sales*. Our average surveyed firm has a smaller cash-to-asset ratio (*Cash*), and a smaller market-to-book (*MB*) ratio relative to the average Compustat firm. Further, the firms we surveyed have on average a higher *ROA*, a higher *GAAP ETR*, a higher *P(Tax Shelter)*, and lower *Asset Growth* and *Sales Growth* rates. However, we find

¹⁶ *Cash ETR* is defined as total income taxes paid scaled by pre-tax income. *3-Yr Cash ETR* is defined as the sum of the numerator over the preceding three years scaled by the sum of the denominator of the same three years (Dyreng, Hanlon, and Maydew 2008). All variables are described in the Appendix.

¹⁷ Where the survey respondent or non-respondent is publicly traded and on Compustat, we gather data for the company from Compustat.

that the average survey respondent and the average Compustat firm are similar in terms of *Leverage*, the probability of having a net operating loss carryforward (*US NOL*), and *3-Yr Cash ETR*. Overall, the firms we surveyed and our respondents are different than Compustat firms along many dimensions, and, therefore, our results might not generalize to all Compustat firms.

Comparing respondents to non-respondents with Compustat data, we find that the average respondent firm is statistically no different than the average non-respondent firm in terms of firm size (i.e., *Assets, MVE* and *Sales*), *Leverage, Cash, MB, NOL, GAAP ETR, 3-Yr Cash ETR*, and growth. However, the respondent firms have, on average, a higher *ROA* and a higher *P(Tax Shelter)* than non-respondent firms. We know of no obvious biases that arise for our tests because of these differences. However, we recognize that it is possible that the companies that decided to answer the survey are different than those that did not. If there is such a difference, our results may not generalize to all firms.

IV. INCENTIVES AND DISINCENTIVES OF TAX PLANNING

Reputational Concerns

A great deal remains unknown about firms' incentives for tax planning and avoidance (Hanlon and Heitzman 2010). One of the primary factors of interest in our study is whether reputational concerns are an important factor for firms when considering tax planning strategies. Bankman (2004) suggests that a firm that aggressively avoids taxes may be labeled a "poor corporate citizen," which might adversely affect product market outcomes. Indeed, some anecdotal evidence is consistent with such statements. For example, a recent New York Times article profiled GE and their tax avoidance activities (Kocieniewski 2011). GE responded on their webpage claiming they do not avoid taxes and pay the legally owed amount. In the public

comments on the webpage, several people made statements such as "I will never buy GE products again" (<u>http://www.gereports.com/setting-the-record-straight-ge-and-taxes/</u>).¹⁸

Prior research examines reputational effects for firms accused of engaging in tax shelters, but the evidence is somewhat mixed. Specifically, Hanlon and Slemrod (2009) use a sample of 109 events to investigate the market reaction to the news of a firm engaging in a tax shelter. Their tests document relatively small negative market reactions and, in some cases, a positive market reaction if the company was not previously thought to be a "tax avoider." The authors also document that firms in retail industries have more negative market reactions to news of tax sheltering, consistent with the likelihood of a consumer backlash for retail firms.

Two concurrent papers provide mixed evidence. Gallemore et al. (2013) employs a database of 113 firms that were subject to public scrutiny for having engaged in tax shelters and find no evidence that firms or CEOs/CFOs bear significant reputational costs. They measure reputational costs in terms of CEO and CFO turnover, changes in advertising expense, auditor turnover, or decrease in sales. Further, they find no decrease in firms' tax avoidance activities after being accused of tax shelter activity. A working paper by Austin and Wilson (2013) examines the tax reporting behavior of firms with greater customer orientation based on the hypothesis from Hanlon and Slemrod (2009) that such firms will bear higher reputational consequences from engaging in tax avoidance. While they find no evidence of differences in cash taxes paid between firms labeled consumer oriented and firms that are not labeled consumer oriented, the authors find that consumer oriented firms report higher GAAP ETRs. The authors interpret their evidence as

¹⁸ Interestingly, GE's reported effective tax rate on their financial statements went from 7.4% on their 2010 annual report to 21.6% on their 2011 annual report, which GE released after the press coverage. Another example is found in the experience of Starbucks in the UK in 2012. Starbucks was the subject of intense scrutiny in the UK for its lack of tax payments in the country. Picketers went to the Starbucks stores and the topic was often in the UK press. Starbucks responded by saying they would "voluntarily" pay additional taxes in the UK in the amount of \$16 million (http://money.cnn.com/2012/12/06/news/companies/starbucks-uk-taxes/index.html).

suggesting that firms use the discretion inherent in financial reporting to report benefits of tax planning more conservatively.

These conflicting results in part reflect the limitations of the empirical-archival methodology for examining reputational consequences of tax planning and avoidance. For example, empirical-archival studies such as Hanlon and Slemrod (2009) and Gallemore et al. (2013) only examine firms whose tax strategies were discovered.¹⁹ However, if firms that have the most to lose from a reputational hit simply refrain from engaging in aggressive tax planning for fear of its adverse consequences, studies that address only firms with identified tax strategies might underestimate the effect of adverse reputation concerns on tax avoidance. For example, it is plausible that firms publicly identified as engaging in tax shelters are the firms for whom reputation concerns are the least important.

To address these limitations and to contribute to this line of inquiry, we directly ask tax executives why they do not engage in tax planning strategies.²⁰ First, we ask "Has your company ever considered but decided not to implement a tax planning strategy proposed and/or marketed by an accounting, law, investment, or tax consulting firm?" Out of the 509 companies that responded, 77.6% or 395 firms answered yes (untabulated). Of these respondents that answered yes, we then asked "What factors were important in your company's decision not to implement the tax planning

¹⁹ As discussed in the introduction, tests of the effective tax rate and the relation to reputation are sparse in the literature likely because reputation is difficult to measure and because an event to make the low rates salient is necessary to conduct an empirical test.

²⁰ We note that Ernst & Young (2011) report that 57% of tax directors state that threat of negative media attention is a somewhat or significant concern. They report that 58% of companies with annual revenues of at least \$5 billion report that negative media attention is a significant concern, consistent with our results. However, we note that the E&Y results are published in a marketing brochure that states that E&Y can help to proactively manage tax risk. Second, the report does not provide any details on how the questions were asked or what types of companies answered the questions in a particular way. Third, the E&Y report attributes part of the focus by the media to the financial crisis bailouts (2011, 28) whereas our survey was conducted prior to the financial crisis and thus shows that the concerns about reputation existed before the crisis. Fourth, we ask questions about reputation generally and about media attention separately because only a subset of firms are big enough to attract media attention but most firms have a reputation to protect.

strategy that was proposed?" The responses are presented in Figure 1 and in Table 3, Panel A. The most important reason for not implementing a tax strategy is because "the transaction lacked business purpose or economic substance," with 86.1% of respondents saying it is important.²¹ This result is reasonable because the IRS often uses general doctrines such as business purpose and economic substance to deny tax benefits for transactions that may be technically legal but contrary to the intent of the tax law (see Scholes et al. 2014).

The second most important reason preventing firms from engaging in tax planning is "potential harm to firm reputation," with 69.5% of the firms responding that this is important or very important.²² This evidence supports Bankman's (2004) claim and the hypothesis and evidence in Zimmerman (1983) that firms may bear reputational and political costs for being labeled a "poor corporate citizen." Related to reputation, the factor "risk of adverse media attention," received a relatively high importance rating with 57.6% of firms answering that this factor is important or very important (see Figure 1 and Table 3, Panel A). Concern over media coverage is consistent with statements made by companies about a 'Wall Street Journal test' – that is, if the strategy would look bad on the front page of the Journal then the company should not do it.²³ Table 3, Panel A, also shows that among public firms, both "potential harm to reputation" and

²¹ For the judiciary to recognize a transaction or business choice as valid according to tax law, the action must be deemed to have a genuine business purpose (i.e., above and beyond the avoidance or reduction of tax) and economic substance (i.e., a meaningful change to the taxpayer's economic position other than reducing income taxes). We note that after our survey period, the U.S. codified the economic substance doctrine. Related to our discussion of financial accounting incentives to tax plan below, interestingly, the codification i) mentions financial accounting benefits as a business purpose, but ii) prohibits financial accounting benefits that arise solely from federal income tax savings as providing a valid business purpose. Thus, it seems it would likely be much more difficult now to pitch tax planning strategies to increase reported earnings; now the tax plan must have a valid business purpose other than financial accounting benefits that arise solely from tax savings.

²² We report results for statistical differences across the rankings of the factors at the bottom of Table 3, Panel A. The tests generally indicate that the importance rank of the higher listed factor is significantly greater than that for all lower listed factors.

²³ As stated publicly by a GE company representative, "At the same time, from a somewhat more defensive perspective, a key role of the tax department, a key part of the mission statement, is to manage risks, both legal and

"adverse media attention" is considered significantly more important (p<0.05) than at private firms with 72.2% and 60% of public firms giving these factors a rating of important or very important compared to 58.9% and 48% of private firms, respectively. This difference between public and private firms is consistent with the additional scrutiny that public firms are under from investors and other market participants. We note that the percent of firms concerned about media attention is significantly lower (p<0.10) than the percent concerned about reputation generally, likely because only a sub-set of firms are prominent enough to be mentioned in the media.

"Risk of detection and challenge by the IRS" is the third most important reason executives give for not engaging in tax planning strategies, with 62.1% of the firms rating the factor as important or very important. This result is related to prior work that finds that IRS scrutiny discourages tax avoidance (Hoopes, Mescall, and Pittman 2012; Mills and Sansing 2000; Mills 1998, 1996). There is not a statistical difference between public and private firms for this factor. The remaining factors deal with financial reporting incentives; we discuss these factors below along with other related questions about financial accounting.

Table 3, Panel B presents the descriptive characteristics for firms based on their responses to the survey question detailed in Table 3, Panel A along with univariate tests of differences in these characteristics. We focus on the reputation factors in this section and discuss the financial accounting factors below, generally not discussing other factors because they are not our primary research interest in this paper.

Firms that responded that reputation and adverse media attention are important in their decision to not engage in a tax planning strategy are larger on average (significantly so for the adverse media attention factor) and have significantly higher *Analyst Following* than firms rating

reputational, whether it's... a "Wall Street Journal" test or simply wondering whether, if it were discussed publicly, would this strategy, whether legal or not, hurt the company's reputation" (Larsen et al. 2007).

these factors as unimportant, consistent with the former firms being more in the public eye and under more scrutiny. The data also reveal that the firms that rate reputation and adverse media attention as important are more likely to be in the retail industry – although the difference in the likelihood is not statistically significant. Another characteristic that is statistically different between the firms that rated the reputation related factors as important and those that did not is R&D Intensity, although we offer no explanation for this result. We now turn to multivariate tests of determinants of high reputation concerns when firms engage in a tax planning strategy.

Determinants of Reputation Concerns

In order to examine the determinants of rating reputation concerns as important, we construct two indicator variables for firms indicating that "potential harm to firm reputation" and "risk of adverse media attention" are important or very important reasons for not engaging in a tax planning strategy. We then estimate separate probit regressions with these indicator variables as the dependent variable and firm characteristics as the independent variables. Table 3, Panel C presents the marginal effects from the regressions with the variable definitions in the Appendix and all variables winsorized at the 1% and 99% level.²⁴

Column (1) of Table 3, Panel C presents the regression results when the factor "potential harm to firm reputation" is the dependent variable. We find that the marginal effects for Log(Assets), ROA, and Retail Industry Indicator are positive and statistically significant at the p<0.05 level or better (see Column (1)). The positive relation between retail industry membership and reputation concerns suggests that firms with more consumer orientation are more worried

²⁴ We cluster the standard errors in the regression by industry to deal with residual correlation in the standard errors. However, we do not include industry fixed effects because we are interested in the characteristics of the firms that are the underlying determinates of the reputation concerns and because we want to test the effect of being in the retail industry relative to other industries. In untabulated tests we estimate the regressions with industry fixed effects and find that our inferences are unaffected (i.e., the coefficients on our test variables are significant at the one-tail 10% level or better and have similar magnitudes as those reported in the paper). Note also that we only have one observation per firm in time so firm and time fixed effects cannot be included.

about reputation, for example, in the form of a consumer backlash, consistent with Hanlon and Slemrod (2009). We also find that firms with larger magnitudes of abnormal accruals (*/Abnormal Accruals/*) are marginally less concerned about potential harm to their reputation from tax planning. This result is potentially consistent with the notion that firms that are not worried about reputation are also not worried about engaging in aggressive financial accounting.

Column (2) presents the regression results when the factor "risk of adverse media attention" is the dependent variable. Consistent with the discussion above, we find that large firms and more profitable firms rate adverse media attention as a significantly more important reason not to engage in tax planning strategies relative to small firms and less profitable firms. While the data show that retail industry membership is positively related to the factor rating, the coefficient is not statistically significant (estimated coefficient=0.10; one-tail p-value=0.154).

The Effect of Reputation Concerns on Measures of Tax Planning

We next correlate the survey responses with tax planning outcomes using standard measures from prior literature. To the extent that reputation concerns limit tax planning activities, we should observe less tax avoidance as measured by the common proxies that are observed by external parties. However, to the extent the proxies used in the literature do not measure the effects of tax planning strategies precisely and/or the effect of reputation on turning down marketed tax planning strategies is not correlated with other more generic tax planning, we may not observe a relation in the archival data. We employ regression analysis to examine the effect of 'harm to firm reputation' (i.e., the rating from our survey data) on firms' tax planning behavior as measured by their *3-Yr Cash ETRs*, *P(Tax Shelter)*, *DTAX* (from Frank, Lynch, and Rego 2009), and the firm's *GAAP ETR*.

The results in Table 3, Panel D are consistent with firms worried about reputation having a higher cash effective tax rate and a lower likelihood of engaging in a tax shelter as reflected by the significant coefficients for 'Rank "Harm to Reputation" as Important' in Columns (1), (4), and (5)). Because Lisowsky (2010) computes the predicted value of the probability of a tax shelter (P(Tax Shelter)) with a model that includes the following variables that we use as control variables, ROA, R&D Intensity, Leverage, Foreign Income, NOL Indicator, and Log(Assets), we estimate our regression both with and without these control variables. We find that our main test variable, the ranking of 'harm to reputation,' is statistically significant in the predicted direction in both specifications. The data in Columns (2) and (3) of Table 3 Panel D show that the relation of the reputation factor rating to the DTAX measure and GAAP ETR is insignificant.²⁵ Overall, we interpret the evidence as consistent with firms more concerned about reputation being less likely to engage in tax shelters and somewhat more likely to report a higher cash effective tax rate. Table 3, Panel D also reports the incremental R-squared obtained by adding the reputation factor in the above regressions. We find that reputation concerns increase the explanatory power of the 3-Yr Cash ETR model by 9.4% (i.e., from 8.5% to 9.3%) and the explanatory power of the P(Tax)Shelter) model by 8.1% (i.e., from 32.7% to 35.3%).²⁶

In summary, our evidence is consistent with reputation concerns being important for corporate decision making with respect to tax planning. Reputational concerns are significantly

²⁵ We also estimate the regressions using the rating for the factor 'risk of adverse media attention' from the survey as the independent test variable. In these untabulated regressions, the rating reaches statistical significance only when P(Tax Shelter) is the dependent variable (coef. = -0.023; t-stat = -1.41) – i.e., when firms fear adverse media attention, they are less likely to engage in a tax shelter.

²⁶ Our overall explanatory power is marginally lower than prior research, in part because we do not include year or industry fixed effects. For example, Armstrong et al. (2012) obtain R-squareds around 9.4%, Rego and Wilson (2012) obtain R-squareds around 14.9%, and Chen et al. (2010) obtain R-squareds around 12.5% in their regression of cash ETR after including year and industry fixed effects. The R-squared in our regression increases to 13.5% when we include industry fixed effects. We are unable to include year fixed effects because we have just one observation per firm.

more important for firms under capital market pressure in terms of being publicly traded, larger, and having more analyst following and with a greater chance of consumer backlash, such as, in the retail industry. Further, tax executives who say reputation concerns have prevented them from engaging in a tax planning strategy do have a significantly lower likelihood of engaging in a tax shelter as measured by Lisowsky's tax shelter score and some evidence of a higher long-run cash ETR.

Financial Accounting Concerns

Financial reporting incentives often conflict with incentives to lower taxes because reductions in taxable income frequently result in lower financial accounting earnings (Scholes, Wilson, and Wolfson 1992; Shackelford and Shevlin 2001). Thus, a stream of literature has focused on what is known as the book-tax tradeoff documenting that companies often choose accounting methods and or forgo taking actions that would lower taxes because they do not want to report lower accounting earnings (or that the companies take actions to increase accounting earnings at the cost of increased taxes). For example, early studies on whether to adopt or abandon LIFO (Dhaliwal et al. 1994) document that companies with financial reporting incentives (e.g., risk of violating debt covenants) are more likely to forgo the tax benefits of the LIFO method. Matsunaga, Shevlin, and Shores (1992) similarly show that companies will forgo the tax benefits of disqualifying incentive stock options to avoid the associated financial statement costs. In addition, Erickson et al. (2004) show that firms that fraudulently overstate financial accounting earnings pay cash taxes on those overstated earnings at a median rate of eight cents on the dollar to increase "paper" earnings.²⁷ Finally, although not in the line of book-tax tradeoff literature,

²⁷ Studies that demonstrate that accounting earnings are affected when tax planning is done include Maydew (1997), who provides evidence that firms shifted taxable income to maximize the tax value of net operating losses in the face of tax rate changes by testing the shifting of financial accounting income, and Guenther (1994) who examines

Graham et al. (2005) and Bens et al. (2003) both provide evidence consistent with managers being willing to spend cash to increase accounting earnings and earnings per share.

Indeed, recent research takes this idea further, conjecturing that some tax planning is engaged in, and incentives are provided specifically with the objective of, affecting financial reporting. For example, Robinson et al. (2010) report that some firms view their tax department as a profit center (i.e., "a contributor to the bottom line"). They state that "...a profit center performance model is effective in motivating tax departments to reduce financial ETRs, but ineffective in motivating tax departments to reduce cash ETRs." In addition, Armstrong et al. (2012) examine the association between tax executive incentives (via compensation packages) and corporate tax planning. They find evidence that tax director compensation is associated with lower GAAP ETRs but has no relation with Cash ETR. They conclude that tax executives are incentivized to focus on the GAAP ETR rather than narrowly focus on cash taxes paid.²⁸

Why the focus on financial accounting tax rates? Graham et al. (2011, 141-142) suggest several reasons why top managers are concerned about GAAP ETR and reported earnings. First, a lower GAAP ETR increases reported after-tax earnings and earnings have been shown to be positively associated with firms' stock returns and market value. Some managers likely believe stock prices are inefficient in the sense that investors fixate on reported earnings without adjustment thus motivating these firms' managers to focus on financial statement effects of their

earnings management around the Tax Reform Act of 1986. See Shackelford and Shevlin (2001) for a complete review of the literature. In addition, for a review of the literature on earnings management and some of the determinants of earnings management, e.g., debt or compensation contracts, avoiding reporting a loss, meeting or beating analysts' forecasts, maintaining credit ratings, etc. see Dechow et al. (2010).

²⁸ Desai and Dharmapala (2009a) discuss Enron in this context stating that "In summarizing various transactions, the JCT concluded that Enron's management set high financial accounting goals and realized quickly that tax-motivated transactions could generate sizable financial accounting benefits. Accordingly, Enron looked to its tax department to devise transactions that increased financial accounting income. In effect, the tax department was converted into an Enron business unit, complete with annual revenue targets. The tax department, in consultation with outside experts, then designed transactions to meet or approximate the technical requirements of tax provisions with the primary purpose of manufacturing financial statement income." (They also use Dynegy as an example as well. See their paper for details as well as Desai and Dharmapala (2006 and 2008) for further discussion.)

tax plans. Second, GAAP based financial accounting numbers are often used in contracts to determine covenant thresholds in debt contracts and bonuses paid to managers. Finally, Graham et al. (2011) highlight that the GAAP ETR is an important benchmark that is compared across firms.

While there is prior research on the topic of the book-tax tradeoff, and the evidence is generally consistent that financial accounting outcomes are important in tax reporting decisions, the validity of the evidence is often debated. For example, in many studies the researcher must estimate what the companies' results would have looked like had an alternative action been taken (see Erickson et al. (2004) and Shackelford and Shevlin (2001) for discussions) and in some studies the sample size is small (Erickson et al. 2004) casting doubt on the conclusion that firms will sacrifice cash taxes to increase accounting earnings. Thus, to provide direct evidence on the relative importance of accounting earnings and cash taxes (i.e., the importance of accounting effects when firms tax plan), we ask tax executives several questions on the topic.²⁹

We first examine the financial accounting related responses to the question discussed in the previous section, "Has your company ever considered but decided not to implement a tax planning strategy proposed and/or marketed by an accounting, law, investment, or tax consulting firm?" The data show (Figure 1 and Table 3, Panel A) that the factor, "risk of having to later restate financial statements," was rated by 54.2% of the firms (58% of public firms) as very important or important. In addition, the factors "negative pre-tax impact on financial statement income" and

²⁹ The exact methods managers use to reduce the GAAP ETRs are not completely known. We do not ask about specific transactions in our survey. At a basic level, we conjecture that the manager will prioritize tax strategies that generate a permanent book-tax difference (or tax credit) over strategies that generate a temporary book-tax difference where possible since the former not only reduces taxable income but also lowers the GAAP ETR increasing after-tax accounting earnings. Managers may also engage in transactions (real or accrual) that primarily serve to lower the GAAP ETR. For example, if they re-structure their foreign operations or indeed even start foreign operations in order to defer the U.S. income tax, this will allow them the flexibility to choose to designate the foreign earnings as permanently reinvested. In such a case, the company does not have to accrue the future U.S. taxes that would be due upon repatriation, increasing after-tax accounting earnings (see Shackelford, Slemrod, and Sallee (2011) and Graham, Hanlon, and Shevlin (2011) for additional details).

"tax benefit could not be recorded for GAAP" garner ratings of 43.8% and 39.2%, respectively (46.2% and 42.8% for public firms, respectively). Thus, a large minority of firms – roughly 40 to 45% – are less likely to tax plan if there is a risk that financial statements will have to be restated as a result or if they cannot record the tax savings for accounting purposes.³⁰ The test statistics in Table 3 reveal that public firms rate financial accounting concerns as significantly more important than do private firms, as one would expect.

Next, we examine responses to the question "Which metric is more important to top management in your company?" The possible answers to the question as listed in the survey instrument are 1) GAAP ETR, 2) cash taxes paid, or 3) both are equally important. Figure 2 and Table 4, Panel A present these data. Of the 513 firms that responded to this question, 40% of the respondents indicate that the GAAP ETR is the most important metric, a number significantly larger than the 23.7% of firms that state that the cash taxes paid is the most important metric. 36.4% report that the two metrics are equally important. Thus, many of the firms rate the GAAP ETR as more important, or at least equally important, as cash taxes to top management of the company. The data also reveal that, consistent with expectations, management at public companies is significantly more likely to place a higher value on the GAAP ETR, and managers at private companies are significantly more likely to place a higher value on cash taxes paid. Specifically, 47.1% of public companies rate the GAAP ETR as the more important metric compared to only 15.5% of them indicating that cash taxes is the more important metric. In sharp contrast, 52.3% of

³⁰ We also included a space for respondents to fill in labeled 'other.' Forty-four firms listed a response in this 'other' space. Of these responses, 16 mention that the fees, administration, and personnel costs were too high; six respondents answered that the strategy was not in line or conflicted with operational goals; along the lines of reputation, two answered that their company wanted to be a 'good corporate citizen,' one answered they were worried about their image in front of employees, and one said 'we didn't want to draw attention to ourselves'; two said the transaction had low merit; one said they tried to get approval from a private letter ruling and failed; one said it would have hurt relations with the government; and one said the result of the transaction would violate debt covenants. The complete text of these and the remaining responses are available upon request.

the private companies rate cash taxes paid as more important compared to only 14.7% of private companies rating the GAAP ETR as most important (the percentages are statistically different). Overall, our finding that top management at 76.4% of our sample firms (84.5% of public firms) value the GAAP ETR metric at least as much or more than cash taxes provides direct evidence on the importance of accounting earnings and GAAP ETRs specifically.

We also ask questions to directly address the hypotheses put forth in Robinson et al. (2010), Armstrong et al. (2012) and Desai and Dharmapala (2006, 2009a, b). Each of these studies suggests that tax avoidance strategies are engaged in with a *primary motivation* to improve accounting performance metrics. We begin by asking managers: "how often are tax planning strategies proposed [by an accounting, law, investment, or tax consulting firm] as a way to increase financial accounting earnings?" Table 4, Panel B indicates that 5.2% of our respondents answered that tax planning strategies are "always" pitched as a way to increase earnings, 26.8% said it was "often" the case, 50.7% responded that this was "sometimes" the marketing strategy, and 17.4% said that this "never" was part of the pitch. Partitioning the firms into public and private indicates that the "increase financial accounting earnings" pitch was significantly more often made to public firms (34.6% of public firms responded it was "always" or "often" the pitch while for 22.4% of private firms this was the case).

To further examine the importance of financial accounting effects when considering a tax planning strategy, we examine the responses to the question "when evaluating a tax planning strategy that saves cash taxes, how important is it that the tax planning strategy...1) does not reduce EPS, or 2) leads to reporting a higher EPS." The results from these questions are reported in Figure 3 and Table 4 Panel C. We find that 60.8% of surveyed companies say that it is important (rating of 3 or 4) that a tax strategy does not reduce EPS, and 49.5% respond that it is important that the strategy actually leads to higher EPS. The right most columns of Panel C (and

Figure 3) present the data for public and private firms separately. Public firms, not surprisingly, attach significantly higher importance ratings to both EPS questions relative to private firms. The stated importance of financial accounting factors on a corporate decision contributes to the recent literature emphasizing the importance of the interaction of financial statement effects and tax planning (e.g., Robinson et al. 2010; Shackelford et al. 2011).

Determinants and Tax Planning Consequences of Financial Accounting Concerns

Table 3 Panel B (Columns (5), (6), and (7)) and Table 4 Panel D present descriptive statistics and univariate tests for the sample firms based on how they responded to questions related to the importance of financial accounting effects. Table 3, Panel B reveals that firms that rated the risk of a negative financial accounting impact as important (Column (6)) have significantly higher *Analyst Following* and *Institutional Ownership* than firms not rating the risk of a negative financial accounting outcome as important. This result is consistent with increased capital market pressure leading to greater weights put on financial accounting. Otherwise, beyond the public/private split in Table 3 Panel A and these two characteristics, the groups of firms in Table 3, Panel B, Columns (5) – (7) look similar in their characteristics whether they answered that financial accounting was important or not important (i.e., these other characteristics are not significantly different across the two groups). We note that Table 3, Panel B includes only public firms, thus, the most important driver of capital market pressure is held constant.³¹

Table 4 Panel D presents descriptive data for the remaining questions about the importance of financial accounting effects. We first examine the differences in firm characteristics based on their stated relative importance of GAAP ETR and cash taxes paid. Note that we can only present the descriptive statistics for publicly traded firms because these data are obtained from Compustat and only 15% (i.e., 61 firms) of the public firms responded that top management at their company

³¹ The *3-Yr Cash ETRs* are statistically different – we investigate the consequences of financial accounting concerns below.

values cash taxes paid the most. Thus, in some cases inferences are based on fairly small samples (e.g., due to data constraints the three year cash ETR is only available for 31 of the 61 firms that said cash taxes paid are important).

Beyond being publicly traded, *Firm Size*, *Analyst Following*, and *Institutional Ownership* are also significantly higher for the firms that answered that GAAP ETR is more important than cash taxes paid. Thus, we conclude that the primary determinant of rating the GAAP ETR as more important than cash taxes paid is being under capital market scrutiny. The data also reveal that firms that rate GAAP ETR as more important than cash taxes paid fewer *US NOLs*. That these firms have lower leverage is not surprising because debt does not generally affect GAAP ETRs. More specifically, because the interest on debt is generally deductible/expensed for both tax and book purposes, it affects both the numerator and denominator of GAAP ETR creating no additional incentive to lever up. In terms of the other characteristics in Panel D, there do not appear to be consistently significant differences between the sub-samples of firms based on whether they answered financial accounting concerns are important or not important.

Panel E of Table 4 presents probit regression results of determinants of rating GAAP ETR as more important than cash taxes (dependent variable set to 1 if the company rated GAAP ETR as most important to top management). The data are consistent with higher *ROA*, lower *Leverage*, lower *Foreign Income*, lower R&D Intensity, and higher *Institutional Ownership* being significantly associated with rating the GAAP ETR as important (note again all firms are publicly traded in this test). The association of higher *ROA* and higher *Institutional Ownership* are indicative of greater capital market pressures. *Analyst Following* is positive but insignificant (the variable is correlated with size and institutional ownership, however). The *Leverage* result is consistent with the univariate result described above and likely due to the fact that leverage generally provides a debt shield and saves cash taxes but does not generally affect a GAAP ETR

to a great extent because the interest is expensed from financial accounting income as well as deducted from taxable income. Thus, increasing leverage would be valuable for tax purposes to firms that rate cash taxes as more important but as not valuable to firms that rate the GAAP ETR as more important.³²

We also examine consequences of rating a certain metric as important via univariate tests of data in Table 4 Panel D. We examine four common tax planning outcome variables commonly used in the literature: *3-Yr Cash ETR*, *P(Tax Shelter)*, *DTAX*, and the *GAAP ETR* (same as we did in the reputation tests). One might expect that firms responding that the top management cares about the GAAP ETR have lower GAAP ETRs as a result of their active efforts to reduce it. However, there are a number of reasons why we may not observe such an effect in the data. With respect to the relation between financial reporting incentives and tax planning proxies, there is a potential endogeneity problem. For example, firms that have a high GAAP ETR may respond that top management values the GAAP ETR because they want to lower the rate. In other words, top management cares about the GAAP ETR because their company has not been able to lower it to the target level. Another potential problem is that firms may *want* a low GAAP ETR but this is not easily achieved (Hanlon and Heitzman 2010).

Univariate tests of the tax planning variables are in Table 4 Panel D. The data reveal that firms that rate the GAAP ETR as most important have the same *GAAP ETR* but a significantly lower *3-Yr Cash ETR* relative to firms where top management values cash taxes as the most important metric. To the extent one expects a high rating of the GAAP ETR to manifest in lower

³² Note that many studies in the book-tax tradeoff literature use leverage as a proxy for likelihood of covenant violations (under the contracting view of accounting) and find that firms with more leverage are often more willing to trade cash taxes for higher accounting earnings to avoid covenant violations. Our results are not necessarily inconsistent with this prior literature. The prior studies examined the book-tax tradeoff for pre-tax accounting earnings effects (LIFO vs. FIFO, disqualifying stock options and paying additional cash compensation). We asked about the GAAP ETR not pre-tax accounting earnings. Most income based covenants for debt contracts are based on earnings before taxes and thus the GAAP ETR is not as important for debt contracting purposes (see Hanlon and Heitzman (2010) for a discussion).

GAAP ETRs and a high rating of cash taxes paid to manifest in lower 3-Yr Cash ETRs, these results are counter intuitive.³³ To examine these data further, we first compare the medians for the sub-samples to mitigate concerns of outliers in our potentially small sub-samples. We find different inferences for the 3-Yr Cash ETR when we look at the medians – the median 3-Yr Cash ETR is significantly lower for firms indicating that cash taxes paid is more important than GAAP ETR, consistent with expectations (untabulated). Specifically, the median 3-Yr Cash ETR is 26.1% (19.5%) for firms rating GAAP ETR (cash taxes paid) as the more important metric. This difference is statistically significant at the 10% level (one-tail p-value = 0.085). Thus, the medians in our data reveal that firms that say top management cares more about cash taxes paid have lower median cash effective tax rates.

We also examine forward looking tax planning metrics in the event that past ETRs do not reflect current preferences (untabulated). We find that the mean (median) *GAAP ETR* in the year following the survey is 28.6% (32.6%) for firms that rate the GAAP ETR as important and 34.5% (35.1%) for firms that rate cash taxes paid as important. The forward looking *3-Yr Cash ETRs* for these groups are 39.4% (30.9%) and 33.2% (28.2%), respectively. However, the differences in cash and GAAP ETRs are not statically significant across the groups at conventional levels of significance. In summary, using forward-looking measures, the data are consistent with expectations (albeit insignificantly) – i.e., companies that say the GAAP ETR is important have a lower *GAAP ETR* relative to firms that say the cash taxes are more important and companies that say the cash tax paid is important have a lower 3-Yr Cash ETR relative to firms that say the GAAP ETR relative to firms that say the Cash ETR relative to firms that say the GAAP ETR relative to firms that say the GAAP ETR relative to firms that say the Cash ETR relative to firms that say the GAAP ETR relative to firms that say the Cash ETR relative to firms

³³ We note, however, that we asked about cash taxes paid and not the Cash ETR and thus the higher importance rating for cash taxes paid may not necessarily manifest in a lower Cash ETR since they are not exactly the same measure. We also estimate regressions of the tax metrics (separately) on the rating of the importance of the GAAP ETR and Cash ETR and find similarly insignificant results. In the interest of space, we do not tabulate these results.

V. CONCLUSIONS

Our paper uses a survey to ask nearly 600 tax executives about their firms' experiences with respect to tax planning and avoidance. We focus on questions that are difficult to address using archival data. The executives indicate that reputation is very important, with 70% of firms rating it as important or very important in their decision to avoid a tax planning strategy and 58% of firms rating the risk of adverse media attention as important or very important. The use of survey data for such a research question is critical because the archival data employed in most of the extant literature contains only firms that engaged in a strategy and were subsequently caught. If firms that are worried about adverse reputation effects do not engage in tax planning, these firms are not in the archival data and this could affect inferences. We also find that financial accounting concerns are important, with 61% of firms (71% of public firms) stating that it is important that a tax planning strategy not harm reported earnings per share. In addition, 76% of firms rate the GAAP ETR as being at least as important as cash taxes paid.

Our study contributes to the literature on determinants of tax avoidance by providing evidence consistent with reputation effects being an important factor in tax planning decisions. Bankman (2004) speculates that reputation effects are important and points to some state tax authorities' use of lists of shame of noncompliant taxpayers (e.g., http://www.revenue.wi.gov/html/delqlist.html). However, the role of reputation has been debated in the literature and has resulted in conflicting evidence (see Hanlon and Slemrod (2009) and Gallemore et al. (2013) for discussions). Our survey enables us to ask tax directors directly whether reputation matters and to conduct cross-sectional tests regarding the type of company for which reputation concerns are most important, which we find to be public firms, retail firms, larger firms, and more profitable firms.

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Our study also contributes to the literature on the book-tax tradeoff and the importance of financial accounting earnings versus cash flows. While there is a long line of literature on the book-tax tradeoff, there are many concerns about 'as if' computations by researchers and small sample sizes. Our study triangulates these prior studies and uses responses directly from company representatives to evaluate their prioritization of cash taxes paid versus the accounting measure of income tax expense.

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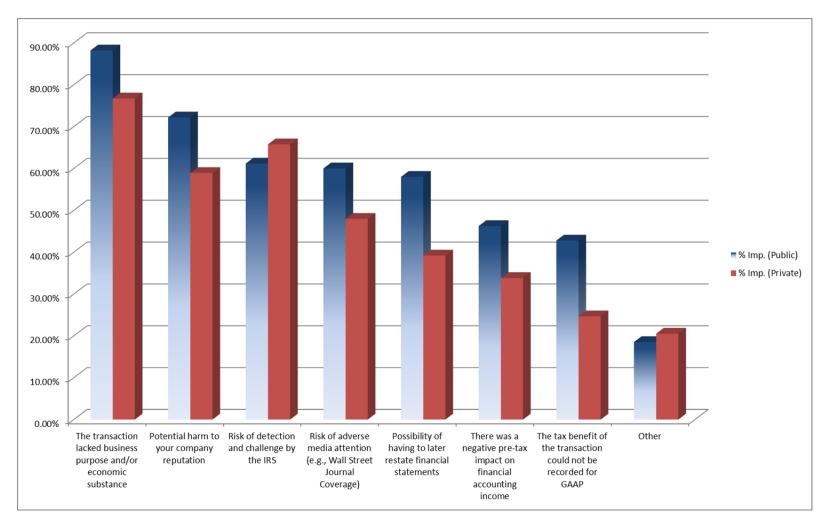
APPENDIX Variable Definitions

This table provides a detailed description of the procedure used to compute each variable used in our analyses. Our data are obtained either through survey questions, Compustat (year 2006), IBES, or Thomson Reuters. All continuous variables are winsorized at 1% and 99% of the distribution and all dollar amounts are in millions. The variables are listed in alphabetical order.

Variable	Definition
3-Yr Cash ETR	3-Yr Cash ETR is computed as the ratio of the sum of the Cash ETR numerator for the preceding three years and sum of Cash ETR denominator for the preceding three years. Where Cash ETR is the cash effective tax rate defined as the sum of total tax paid (data TXPD) divided by pretax income (data PI).
Abnormal Accruals	Abnormal accruals is computed using the modified Jones model (Jones 1991; Dechow et al. 1995). Specifically, we use absolute value of the residuals from the industry-year level regressions of total accruals on the difference between the change in sales and the change in receivables, total property plant and equipment and the inverse of total assets. We required a minimum of 20 observations in each industry-year pool in order to estimate the regression. In other words, we estimate the following regression at the industry-year level:
	$TA_{it} = \beta_0 + \beta_1 ATINV_{it} + \beta_2 DREVMINDDRECT_{it} + \beta_3 PPE_{it} + \varepsilon_{it},$
	where $TA_{it} = (IB_{it}-OANCF_{it})/AT_{it-1}$, $PPE_{it} = PPEGT_{it}/Lag AT_{it-1}$, $ATINV_{it} = 1/AT_{it}$, $DREVMDRECT_{it} = [(SALE_{it}-SALE_{it-1}) - (RECT_{it}-RECT_{it-1})]/AT_{it-1}$. We recover the residual and take the absolute value, such that Discretionary Accruals = $ \varepsilon_{it} $.
Advertising Intensity	Advertising Intensity is the ratio of advertising expense (data XAD) scaled by total assets (data AT). Missing advertising expense data are coded as zero.
Analyst Following	The number of analyst following a firm in I/B/E/S. We assume that analyst following is zero for public firms not covered by I/B/E/S.
Assets	Assets is defined as worldwide assets and corresponds with Compustat data item AT.
Asset Growth	Asset Growth is the changes in total assets scaled by lag total assets (data AT).
Cash ETR	Cash ETR is the cash effective tax rate defined as the sum of total tax paid (data TXPD) divided by pretax income (data PI).
DTAX	DTAX is an estimate of discretionary permanent book tax differences computed following Frank, Lynch, and Rego (2009). DTAX is computed as the residual from the following equation estimated at the industry-year level with at least 20 observations:
	$\begin{split} PERMDIFF &= \beta_0 + \beta_1 \text{ INTANGIBLES} + \beta_2 \text{ UNCON} + \beta_3 \text{ MI} + \beta_4 \text{ CSTE} + \beta_5 \Delta \text{NOL} + \\ & \beta_6 \text{ LAG PERMDIFF} + \epsilon_{it} \end{split}$
	<pre>where PERMDIFF = (PI - (TXFED+TXFO)/0.35 - TXDI/0.35)/LAG AT, INTANGIBLES = INTAN/LAG AT, UNCON = ESUB/LAG AT, MI = MII/LAG AT, CSTE = TXS/LAG AT, ΔNOL = (TLCF-LAG_TLCF)/LAG AT. The above variables are defined in terms of Compustat data items.</pre>
Firm Size	Firm size is defined as the book value of worldwide assets (data AT).
Foreign Assets	Foreign Assets is proportion of foreign assets in foreign locations.
Foreign Income	Foreign Income is foreign pre-tax income (data PIFO) divided by total assets (data AT).
GAAP ETR	GAAP ETR is the GAAP effective tax rate defined as total tax expense (data TXT) divided by pretax accounting income (data PI).
Institutional Ownership (%)	The percentage of the firm's equity held by institutional investors in year t. Calculated from data provided in the Thomson-Reuter's Institutional Holdings (13F) Database. Set equal to zero if the data are missing.
Leverage	Leverage is the ratio of long-term debt (data DLTT) plus the debt included in current

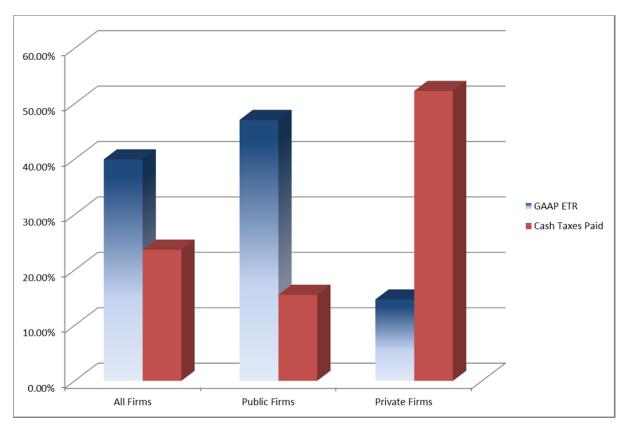
	liabilities (data DLC) to total assets (data AT).
MB	MB is the market-to-book ratio (MVE/data CEQ).
	MVE is the market value of equity (data PRCC_F multiplied by data CSHO). Sales are
MVE	total sales (data SALE) of the firm.
PPE	PPE is defined as the book value of gross property, plant and equipment scaled by total
<i>LLE</i>	assets (data PPEGT / AT).
P(Tax Shelter)	The likelihood that a firm is participating in a tax shelter in a given year computed using
I (I dx Sheller)	the methodology in Lisowsky (2010). We obtain these data from Pete Lisowsky.
Public	Public is an indicator variable that takes on the value of one for publicly traded firms.
PLD Internet	R&D Intensity is the ratio of research and development expense (data XRD) scaled by total
<i>R&D Intensity</i>	assets (data AT). Missing R&D data are coded as zero.
Retail Industry	An indicator variable that takes on the value of one if the firm is the retail industry (based
Ketati maustry	on two digit SIC codes between 52 and 59) and zero otherwise.
ROA	ROA is return-on-assets defined as net income (data NI) divided by total assets (data AT).
Sales	Sales is defined as worldwide net sales and corresponds to Compustat data item SALE.
Sales Growth	Sales Growth is the changes in sales scaled by lag sales (data SALE).
US NOL	US NOL is an indicator variable that equals one if the firm has a US net operating loss
USNOL	carryforward (from survey responses).
	Z Score is the bankruptcy score from Altman (1968 and 2000). In terms of Compustat data
Altman's Z-Score	items it equals: $1.2 \times [ACT - LCT]/AT + 1.4 \times RE/AT + 3.3 \times EBIT/AT + 0.6 [PRCC_F \times]$
	$CSHO]/LT + 0.999 \times SALE/AT.$

FIGURE 1 Incentives and Disincentives to Tax Plan



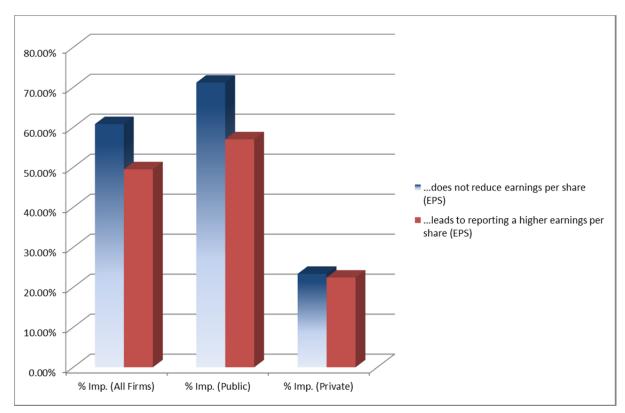
Notes: This figure presents the responses to the survey question "What factors were important in your company's decision not to implement the tax planning strategy that was proposed?" The survey provides a 5-point rating scale ranging from 0 to 4 with a rating of 0 labeled "Not at all important" and a rating of 4 labeled "Very important." This figure presents the percentages of respondents that gave a rating of 3 or 4 for each factor. The results are shown separately for public and private firms. The corresponding data in table form are in Table 3. Note that we reorder the responses for presentation purposes to be in order of importance rating. On the survey instrument, however, the factors were listed in the following order: (1), (6), (7), (3), (4), (5), (2), other.

FIGURE 2 Importance of Financial Accounting vs. Tax Minimization Incentives to Tax Plan



Notes: This figure presents the responses to the survey question "Which metric is more important to the top management at your company?" The available answers included (1) GAAP ETR, (2) Cash Taxes Paid and (3) Both are equally important. This figure presents the percentages of respondents that answered GAAP ETR or Cash Taxes Paid. The corresponding data in table form are in Table 4, Panel A.

FIGURE 3 Financial Accounting Incentives and Disincentives to Tax Plan



Notes: This figure presents the responses to the survey question "At your company, when evaluating a tax planning strategy that saves cash taxes, how important is it that the tax planning strategy...(1) ...does not reduce earnings per share (EPS) and (2) ...leads to reporting a higher earnings per share (EPS)." The survey provides a 5-point rating scale ranging from 0 to 4 with a rating of 0 labeled "Not at all important" and a rating of 4 labeled "Very important." This figure presents the percentages of respondents that gave a rating of 3 or 4 for each factor. The results are shown separately for public and private firms. The corresponding data in table form are in Table 4 Panel C.

Variable	Source	N	Mean	SD	P25	P50	P75
Firm Characteristics							
Public	Survey	594	0.766	0.424	1.000	1.000	1.000
Assets	Survey	561	8,762	24,569	461	1,264	4,895
MVE	Compustat	396	8,283	20,150	678	1,872	5,976
Sales	Compustat	400	5,718	11,550	546	1,491	5,281
MB	Compustat	387	3.316	2.861	1.704	2.380	3.818
ROA	Compustat	396	0.065	0.085	0.024	0.063	0.108
Foreign Income	Compustat	400	0.021	0.037	0.000	0.002	0.028
Foreign Assets	Survey	538	0.192	0.219	0.000	0.100	0.320
Leverage	Compustat	400	0.206	0.187	0.044	0.173	0.316
Sales Growth	Compustat	395	0.141	0.223	0.036	0.095	0.187
Asset Growth	Compustat	396	0.136	0.276	-0.004	0.068	0.184
US NOL	Survey	527	0.463	0.499	0.000	0.000	1.000
R&D Intensity	Compustat	400	0.026	0.044	0.000	0.000	0.036
Advertising Intensity	Compustat	400	0.014	0.034	0.000	0.000	0.010
Financial Reporting Incentives							
Analyst Following	Compustat	455	9.114	8.361	2.000	7.000	14.000
Institutional Ownership (%)	Compustat	455	0.507	0.412	0.000	0.652	0.869
Abnormal Accruals	Compustat	376	0.090	0.087	0.029	0.064	0.122
Altman's Z-Score	Compustat	369	4.404	3.411	2.314	3.840	5.569
Tax Planning Proxies							
GAAP ETR (survey response)	Survey	439	0.305	0.162	0.273	0.339	0.376
GAAP ETR	Compustat	349	0.307	0.168	0.273	0.334	0.375
Cash ETR	Compustat	345	0.282	0.245	0.152	0.251	0.352
3-Yr Cash ETR	Compustat	351	0.274	0.233	0.149	0.250	0.335
P(Tax Shelter)	Compustat	358	0.944	0.143	0.966	0.992	0.999
DTAX	Compustat	219	0.029	0.124	-0.019	0.007	0.069

 TABLE 1

 Descriptive Statistics and Survey Responses

Notes: The above data are obtained either through survey questions or from Compustat (year 2006). All continuous variables are winsorized at 1% and 99% of the distribution and all dollar amounts are in millions. All variables are defined in the Appendix.

	All C	ompustat (1)	Conte	Firms we acted with able Data (2)		Survey sponders with tilable Data (3)	•	y Responders vailable Data (4)		p-V	alue	
	N	Mean	Ν	Mean	Ν	Mean	Ν	Mean	1 vs. 2	1 vs. 4	2 vs. 4	3 vs. 4
Assets	5,940	3,584.52	1507	9,467.91	946	9,886.57	561	8,761.92	0.00	0.00	0.57	0.40
MVE	5,445	2,371.95	1292	8,313.35	896	8,326.71	396	8,283.13	0.00	0.00	0.98	0.97
Sales	5,913	1,722.33	1346	5,481.50	946	5,381.61	400	5,717.75	0.00	0.00	0.72	0.62
Leverage	5,923	0.19	1345	0.22	945	0.22	400	0.21	0.00	0.21	0.24	0.11
Cash	5,939	0.20	1341	0.14	945	0.13	396	0.15	0.00	0.00	0.31	0.17
MB	5,445	4.36	1283	3.30	896	3.29	387	3.32	0.00	0.00	0.92	0.90
ROA	5,913	-0.04	1342	0.05	946	0.04	396	0.07	0.00	0.00	0.00	0.00
NOL	5,940	0.39	1352	0.43	946	0.44	406	0.40	0.01	0.61	0.34	0.19
GAAP ETR	4,240	0.26	1263	0.30	824	0.29	439	0.30	0.00	0.00	0.38	0.26
3-Yr Cash ETR	4,054	0.27	1166	0.28	812	0.28	354	0.27	0.47	0.76	0.48	0.35
P(Tax Shelter)	4,742	0.62	1184	0.93	828	0.92	356	0.95	0.00	0.00	0.06	0.02
Asset Growth	5,693	0.35	1330	0.15	934	0.15	396	0.14	0.00	0.00	0.55	0.43
Sales Growth	5,500	0.25	1327	0.14	932	0.14	395	0.14	0.00	0.00	0.74	0.65

TABLE 2Response Bias Test

Notes: All dollar amounts are in millions. All Compustat variables are measured in the fiscal year ending in 2006 and are winsorized at 1% and 99% of the distribution. Column (1) consists of all the firms on Compustat except for firms with a negative book value, firms whose names indicate they are limited partnerships, and firms incorporated outside the United States. Column (2) includes all the firms that were sent a survey (described earlier in the manuscript) that we could match to and retrieve the data for on Compustat. Column (3) consists of the group of firms that are on Compustat and that we sent a survey to but did not receive a response. Column (4) includes the survey responders with data available on Compustat. All variables are defined in the Appendix.

TABLE 3Incentives and Disincentives to Tax Plan

Panel	A: Survey Responses				
	at factors were important in your company's decision not to implement the planning strategy that was proposed?	% Important (All Firms)	% Important (Public Firms)	% Important (Private Firms)	
(1)	The transaction lacked business purpose and/or economic substance	86.0%	88.2%	76.7%	
(2)	Potential harm to your company reputation	69.5%	72.2%	58.9%	
(3)	Risk of detection and challenge by the IRS	62.1%	61.2%	65.8%	
(4)	Risk of adverse media attention (e.g., Wall Street Journal Coverage)	57.6%	60.0%	47.9%	
(5)	Possibility of having to later restate financial statements	54.2%	58.0%	39.2%	
(6)	There was a negative pre-tax impact on financial accounting income	43.8%	46.2%	33.8%	
(7)	The tax benefit of the transaction could not be recorded for GAAP	39.2%	42.8%	24.7%	
(8)	Other	19.0%	18.5%	20.5%	
	Comparison of Factors	Significant at the 10	% level or better		
	Is Factor $(1) > (2)$ [and thus, $(1) > (3)$ to (8)]		Yes		
	Is Factor $(2) > (3)$ [and thus, $(2) > (4)$ to (8)]	Yes			
	Is Factor $(3) > (4)$	No			
	Is Factor $(3) > (5)$ [and thus, $(3) > (6)$ to (8)]	Yes			
	Is Factor $(4) > (5)$ [and thus, $(4) > (6)$ to (8)]		Yes		
	Is Factor $(5) > (6)$ [and thus, $(5) > (7)$ to (8)]	Yes			
	Is Factor $(6) > (7)$ [and thus, $(6) > (8)$]	Yes			
	Is Factor $(7) > (8)$	Yes			

		(1)	(2)	(3)	(4)
Factor:			nomic stance		rm to Itation	Detectio	on by IRS		e Media ntion
Firm Characteristic	Mean	Imp.	Not Imp.	Imp.	Not Imp.	Imp.	Not Imp.	Imp.	Not Imp.
Firm Size (\$ Mil.)	9,897	12,035	8,346	12,622	9,010	9,808	12,944	11,622	5,909
GAAP ETR (%)	32.3%	31.0%	29.4%	31.1%	32.0%	29.8%	34.6%	30.5%	30.6%
3-Yr Cash ETR (%)	29.7%	27.1%	36.4%	28.2%	24.7%	29.3%	33.7%	29.8%	27.0%
P(Tax Shelter)	94.3%	95.5%	95.8%	95.3%	96.0%	95.7%	92.9%	95.5%	94.2%
DTAX	0.03	0.03	0.00	0.02	0.02	0.03	-0.02	0.02	0.04
ROA	0.07	0.08	0.04	0.08	0.05	0.08	0.04	0.08	0.06
Leverage (%)	20.8%	20.9%	12.5%	21.6%	21.0%	20.2%	24.2%	21.9%	20.8%
US NOL (%)	46.3%	43.6%	33.3%	42.9%	43.3%	44.7%	43.3%	41.3%	47.7%
Ad. Intensity (%)	1.5%	1.4%	0.7%	1.3%	1.9%	1.5%	1.0%	1.3%	1.4%
R&D Intensity (%)	2.6%	2.3%	4.7%	2.0%	3.3%	2.0%	3.1%	1.7%	2.9%
Retail Industry (%)	9.0%	9.3%	7.7%	10.8%	4.7%	9.6%	5.7%	11.0%	9.1%
Abnormal Accruals	0.09	0.08	0.10	0.08	0.08	0.08	0.10	0.08	0.09
Analyst Following	9.13	10.38	6.38	10.29	7.75	9.31	10.30	10.32	7.22
Instit. Own (%)	50.8%	53.3%	58.6%	52.0%	52.5%	52.9%	54.8%	52.3%	46.4%
Altman's Z-Score	4.40	4.78	5.56	4.79	4.01	4.48	5.77	4.92	4.56

TABLE 3 - continued

P(Tax Shelter)	94.5%	95.5%	95.8%	95.5%	90.0%	95.7%	92.9%	95.5%	94.2%	
DTAX	0.03	0.03	0.00	0.02	0.02	0.03	-0.02	0.02	0.04	
ROA	0.07	0.08	0.04	0.08	0.05	0.08	0.04	0.08	0.06	
Leverage (%)	20.8%	20.9%	12.5%	21.6%	21.0%	20.2%	24.2%	21.9%	20.8%	
US NOL (%)	46.3%	43.6%	33.3%	42.9%	43.3%	44.7%	43.3%	41.3%	47.7%	
Ad. Intensity (%)	1.5%	1.4%	0.7%	1.3%	1.9%	1.5%	1.0%	1.3%	1.4%	
R&D Intensity (%)	2.6%	2.3%	4.7%	2.0%	3.3%	2.0%	3.1%	1.7%	2.9%	
Retail Industry (%)	9.0%	9.3%	7.7%	10.8%	4.7%	9.6%	5.7%	11.0%	9.1%	
Abnormal Accruals	0.09	0.08	0.10	0.08	0.08	0.08	0.10	0.08	0.09	
Analyst Following	9.13	10.38	6.38	10.29	7.75	9.31	10.30	10.32	7.22	
Instit. Own (%)	50.8%	53.3%	58.6%	52.0%	52.5%	52.9%	54.8%	52.3%	46.4%	
Altman's Z-Score	4.40	4.78	5.56	4.79	4.01	4.48	5.77	4.92	4.56	
	(5)				6)	((7)	(8)	
Factor:			Financial ments		Negative Financial Accounting Impact		Tax Benefit Not Recorded for GAAP		Other	
Firm Characteristic	Mean	Imp.	Not Imp.	Imp.	Not Imp.	Imp.	Not Imp.	Imp.	Not Imp.	
Firm Characteristic Firm Size (\$ Mil.)	Mean 9,897	Imp. 8,953	Not Imp. 12,639	Imp. 10,722	Not Imp. 8,053	Imp. 10,249	Not Imp. 9,854	Imp. 3,403	Not Imp. 11,447	
		1	1	1	1	1	1	1	1	
Firm Size (\$ Mil.)	9,897	8,953	12,639	10,722	8,053	10,249	9,854	3,403	11,447	
Firm Size (\$ Mil.) GAAP ETR (%)	9,897 32.3%	8,953 31.1%	12,639 29.3%	10,722 31.1%	8,053 30.6%	10,249 33.6%	9,854 29.6%	3,403 26.7%	11,447 31.2%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%)	9,897 32.3% 29.7%	8,953 31.1% 29.6%	12,639 29.3% 27.5%	10,722 31.1% 23.9%	8,053 30.6% 29.0%	10,249 33.6% 25.8%	9,854 29.6% 37.7%	3,403 26.7% 27.0%	11,447 31.2% 25.2%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter)	9,897 32.3% 29.7% 94.3%	8,953 31.1% 29.6% 94.7%	12,639 29.3% 27.5% 96.9%	10,722 31.1% 23.9% 95.7%	8,053 30.6% 29.0% 95.6%	10,249 33.6% 25.8% 95.1%	9,854 29.6% 37.7% 96.6%	3,403 26.7% 27.0% 94.1%	11,447 31.2% 25.2% 94.5%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX	9,897 32.3% 29.7% 94.3% 0.03	8,953 31.1% 29.6% 94.7% 0.02	12,639 29.3% 27.5% 96.9% 0.02	10,722 31.1% 23.9% 95.7% 0.01	8,053 30.6% 29.0% 95.6% 0.02	10,249 33.6% 25.8% 95.1% 0.03	9,854 29.6% 37.7% 96.6% 0.01	3,403 26.7% 27.0% 94.1% 0.03	11,447 31.2% 25.2% 94.5% 0.04	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA	9,897 32.3% 29.7% 94.3% 0.03 0.07	8,953 31.1% 29.6% 94.7% 0.02 0.08	12,639 29.3% 27.5% 96.9% 0.02 0.06	10,722 31.1% 23.9% 95.7% 0.01 0.08	8,053 30.6% 29.0% 95.6% 0.02 0.06	10,249 33.6% 25.8% 95.1% 0.03 0.08	9,854 29.6% 37.7% 96.6% 0.01 0.06	3,403 26.7% 27.0% 94.1% 0.03 0.04	11,447 31.2% 25.2% 94.5% 0.04 0.07	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA Leverage (%)	9,897 32.3% 29.7% 94.3% 0.03 0.07 20.8%	8,953 31.1% 29.6% 94.7% 0.02 0.08 22.7%	12,639 29.3% 27.5% 96.9% 0.02 0.06 21.0%	10,722 31.1% 23.9% 95.7% 0.01 0.08 20.2%	8,053 30.6% 29.0% 95.6% 0.02 0.06 21.5%	10,249 33.6% 25.8% 95.1% 0.03 0.08 21.6%	9,854 29.6% 37.7% 96.6% 0.01 0.06 22.1%	3,403 26.7% 27.0% 94.1% 0.03 0.04 17.0%	11,447 31.2% 25.2% 94.5% 0.04 0.07 20.3%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA Leverage (%) US NOL (%)	9,897 32.3% 29.7% 94.3% 0.03 0.07 20.8% 46.3%	8,953 31.1% 29.6% 94.7% 0.02 0.08 22.7% 46.0%	12,639 29.3% 27.5% 96.9% 0.02 0.06 21.0% 41.0%	10,722 31.1% 23.9% 95.7% 0.01 0.08 20.2% 44.7%	8,053 30.6% 29.0% 95.6% 0.02 0.06 21.5% 42.9%	10,249 33.6% 25.8% 95.1% 0.03 0.08 21.6% 44.7%	9,854 29.6% 37.7% 96.6% 0.01 0.06 22.1% 38.6%	3,403 26.7% 27.0% 94.1% 0.03 0.04 17.0% 30.0%	11,447 31.2% 25.2% 94.5% 0.04 0.07 20.3% 41.1%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA Leverage (%) US NOL (%) Ad. Intensity (%)	9,897 32.3% 29.7% 94.3% 0.03 0.07 20.8% 46.3% 1.5%	8,953 31.1% 29.6% 94.7% 0.02 0.08 22.7% 46.0% 1.3%	12,639 29.3% 27.5% 96.9% 0.02 0.06 21.0% 41.0% 1.3%	10,722 31.1% 23.9% 95.7% 0.01 0.08 20.2% 44.7% 1.5%	8,053 30.6% 29.0% 95.6% 0.02 0.06 21.5% 42.9% 1.6%	10,249 33.6% 25.8% 95.1% 0.03 0.08 21.6% 44.7% 1.1%	9,854 29.6% 37.7% 96.6% 0.01 0.06 22.1% 38.6% 1.5%	3,403 26.7% 27.0% 94.1% 0.03 0.04 17.0% 30.0% 1.1%	11,447 31.2% 25.2% 94.5% 0.04 0.07 20.3% 41.1% 1.7%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA Leverage (%) US NOL (%) Ad. Intensity (%) R&D Intensity (%)	9,897 32.3% 29.7% 94.3% 0.03 0.07 20.8% 46.3% 1.5% 2.6%	8,953 31.1% 29.6% 94.7% 0.02 0.08 22.7% 46.0% 1.3% 2.1%	12,639 29.3% 27.5% 96.9% 0.02 0.06 21.0% 41.0% 1.3% 3.1%	10,722 31.1% 23.9% 95.7% 0.01 0.08 20.2% 44.7% 1.5% 2.6%	8,053 30.6% 29.0% 95.6% 0.02 0.06 21.5% 42.9% 1.6% 2.1%	10,249 33.6% 25.8% 95.1% 0.03 0.08 21.6% 44.7% 1.1% 2.4%	9,854 29.6% 37.7% 96.6% 0.01 0.06 22.1% 38.6% 1.5% 2.2%	3,403 26.7% 27.0% 94.1% 0.03 0.04 17.0% 30.0% 1.1% 4.3%	11,447 31.2% 25.2% 94.5% 0.04 0.07 20.3% 41.1% 1.7% 2.2%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA Leverage (%) US NOL (%) Ad. Intensity (%) R&D Intensity (%) Retail Industry (%)	9,897 32.3% 29.7% 94.3% 0.03 0.07 20.8% 46.3% 1.5% 2.6% 9.0%	8,953 31.1% 29.6% 94.7% 0.02 0.08 22.7% 46.0% 1.3% 2.1% 9.8%	12,639 29.3% 27.5% 96.9% 0.02 0.06 21.0% 41.0% 1.3% 3.1% 8.2%	10,722 31.1% 23.9% 95.7% 0.01 0.08 20.2% 44.7% 1.5% 2.6% 10.6%	8,053 30.6% 29.0% 95.6% 0.02 0.06 21.5% 42.9% 1.6% 2.1% 13.8%	10,249 33.6% 25.8% 95.1% 0.03 0.08 21.6% 44.7% 1.1% 2.4% 7.7%	9,854 29.6% 37.7% 96.6% 0.01 0.06 22.1% 38.6% 1.5% 2.2% 10.3%	3,403 26.7% 27.0% 94.1% 0.03 0.04 17.0% 30.0% 1.1% 4.3%	11,447 31.2% 25.2% 94.5% 0.04 0.07 20.3% 41.1% 1.7% 2.2% 12.0%	
Firm Size (\$ Mil.) GAAP ETR (%) 3-Yr Cash ETR (%) P(Tax Shelter) DTAX ROA Leverage (%) US NOL (%) Ad. Intensity (%) R&D Intensity (%) Retail Industry (%)	9,897 32.3% 29.7% 94.3% 0.03 0.07 20.8% 46.3% 1.5% 2.6% 9.0% 0.09	8,953 31.1% 29.6% 94.7% 0.02 0.08 22.7% 46.0% 1.3% 2.1% 9.8% 0.09	12,639 29.3% 27.5% 96.9% 0.02 0.06 21.0% 41.0% 1.3% 3.1% 8.2% 0.08	10,722 31.1% 23.9% 95.7% 0.01 0.08 20.2% 44.7% 1.5% 2.6% 10.6% 0.08	8,053 30.6% 29.0% 95.6% 0.02 0.06 21.5% 42.9% 1.6% 2.1% 13.8% 0.09	10,249 33.6% 25.8% 95.1% 0.03 0.08 21.6% 44.7% 1.1% 2.4% 7.7% 0.08	9,854 29.6% 37.7% 96.6% 0.01 0.06 22.1% 38.6% 1.5% 2.2% 10.3% 0.08	3,403 26.7% 27.0% 94.1% 0.03 0.04 17.0% 30.0% 1.1% 4.3% 4.3% 0.08	11,447 31.2% 25.2% 94.5% 0.04 0.07 20.3% 41.1% 1.7% 2.2% 12.0% 0.09	

Panel B: Firm Characteristics conditioned on Survey Responses

Altman's Z-Score

4.40

4.37

4.71

4.47

5.12

4.75

5.29

4.47

4.64

Dependent Variable:		Rank ''Harm to Reputation'' as Important	Rank "Adverse Media Attention" as Important	
Variables	Predicted Sign	Marginal Effect z-Statistic	Marginal Effect z-Statistic	
Log(Assets)	+	0.06###	0.03#	
		(3.24)	(1.33)	
ROA	+	0.32##	$0.24^{\#}$	
		(1.99)	(1.44)	
Leverage	?	-0.01	0.00	
0		(-0.05)	(0.00)	
US NOL	?	0.05	0.06	
		(0.64)	(0.79)	
R&D Intensity	?	-0.38	-1.51*	
, i i i i i i i i i i i i i i i i i i i		(-0.52)	(-1.84)	
Advertising Intensity	+	-0.18	-0.28	
0		(-0.21)	(-0.30)	
Retail Industry Indicator	+	0.16####	0.10	
2		(2.77)	(1.02)	
Analyst Following	+	0.00	0.04	
2 0		(-0.06)	(0.82)	
Institutional Ownership	+	-0.01	-0.04	
*		(-0.08)	(-0.31)	
Abnormal Accruals	-	-0.27#	-0.30	
· · ·		(-1.43)	(-1.08)	
S.E. Clustered by Industry		Yes	Yes	
N		237	238	
Pseudo R Squared		6.9%	4.6%	

TABLE 3 - continued

Panel C:	Determinants	of Reputation	Related	Concerns
I concer C.	Devermenterites	of neputotion	110101000	concerns

Panel D: Consequences of Reputation Related Concerns	(1)	(2)	(3)	(4)	(5)
Dependent Variable (Tax Avoidance Proxy):	3-Yr Cash ETR	DTAX	GAAP ETR	P(Tax Shelter)	P(Tax Shelter)
Variables	Coefficient	Coefficient	Coefficient	Coefficient	Coefficient
Variables	t-Statistic	t-Statistic	t-Statistic	t-Statistic	t-Statistic
Rank "Harm to Reputation" as Important	0.04#	-0.02	0.00	-0.05###	-0.02##
	(1.52)	(-0.56)	(-0.12)	(-3.70)	(-1.93)
ROA	-0.19***	0.23	-0.16***	0.38*	
	(-2.89)	(1.66)	(-3.10)	(1.91)	
R&D Intensity	-0.66**	-0.07	-0.39	-0.59	
	(-2.64)	(-0.20)	(-1.11)	(-1.53)	
Advertising Intensity	-0.07	-0.20	0.32	-0.03	-0.08
	(-0.25)	(-0.84)	(1.10)	(-0.17)	(-0.69)
Sales Growth	-0.11**	-0.05	0.00	-0.05	-0.02
	(-2.09)	(-1.31)	(-0.05)	(-1.27)	(-0.49)
Leverage	0.11	-0.11	0.02	0.03	
	(1.00)	(-1.51)	(0.33)	(0.46)	
Cash Holdings	0.02	0.06	-0.04	-0.02	-0.15***
	(0.28)	(0.67)	(-0.46)	(-0.23)	(-2.82)
Foreign Income	0.19	0.58**	-0.28	0.35**	
	(0.64)	(2.43)	(-1.19)	(2.61)	
US NOL	-0.05**	0.01	-0.02	0.04**	
	(-2.66)	(0.21)	(-1.04)	(2.11)	
Log(Assets)	0.00	0.02	0.00	0.04***	
	(-0.20)	(1.43)	(0.50)	(5.61)	
PPE	-0.03	-0.01	0.01	-0.01	0.00
	(-0.83)	(-0.42)	(0.66)	(-0.26)	(-0.06)
Intangibles	0.08	-0.03	0.04	-0.01	-0.05
C C	(0.79)	(-0.45)	(0.51)	(-0.21)	(-0.63)
Standard Errors Clustered by Industry	Yes	Yes	Yes	Yes	Yes
Number of Observations	220	141	229	228	228
R Squared	9.3%	24.2%	9.5%	35.3%	3.4%
Incremental R Squared from "Harm to Reputation" factor	0.8%	0.4%	0.0%	2.6%	0.6%

Panel D: Consequences of Reputation Related Concerns

Notes: The survey provides a 5-point rating scale ranging from 0 to 4 with a rating of 0 labeled "Not at all important" and a rating of 4 labeled "Very important." The percentages listed in panel A of the table under "% Important" are the percentages of respondents that gave a rating of 3 or 4 for that particular factor. The percentages listed in panel A of the table under the column "% Not Important" are the percentages of respondents that gave a rating of 0 or 1 for that particular factor. We reorder the responses in Panel A for presentation purposes to be in order of importance rating. On the survey instrument, however, the factors were listed in the following order: (1), (6), (7), (3), (4), (5), (2), other. Panel B presents the descriptive characteristics for firms based on their factor ratings. For a description of items respondents listed in the 'other' factor, see footnote 18 above. Panel C presents the results from probit regressions of importance of reputation on its determinants. The dependent variable in Panel C is an indicator variable that takes on the value of one if the firm ranks the factors "Harm to Reputation" and "Adverse Media Attention" as important or very important. Panel D presents the results from OLS regressions of the consequences of firms' reputation related factor ratings on tax planning proxies. In panels A and B, highlighted fields indicate a statistically significant difference in the average rating between groups at the 10% level or better. In Panels C and D, *,**,*** (#,##,###) indicate significance at the 10%, 5%, and 1% level, respectively, using a two-tailed (one-tailed) *t*-test. All variables are defined in the Appendix.

 TABLE 4

 Financial Accounting Incentives and Disincentives to Tax Plan

Panel A					
(Q1) Which metric is more important	t to the top management at your	company? (N=503)	All Firms	Public Firms	s Private Firms
GAAP ETR			40.0%	47.1%	14.7%
Cash Taxes Paid	Cash Taxes Paid			15.5%	52.3%
Both are equally important		36.4%	37.4%	33.0%	
Comparison of Factors	<u>p-Value</u>	p-Value	<i>p</i> -Value		
GAAP ETR = Cash Taxes Pa	aid		0.000	0.000	0.000
GAAP ETR = Both are equa	lly important		0.359	0.037	0.005
Cash Taxes Paid = Both are	equally important		0.000	0.000	0.029
a way to increase financial accounting	Always	5.2%	6.4	.%	0.9%
	Often	5.2% 26.8%			21.5%
	Sometimes	50.7%	50.9		49.5%
	Never	17.4%	14.:	5%	28.0%
Panel C					
(Q3) At your company, when evaluat cash taxes, how important is it that th				mportant lic Firms)	% Important (Private Firms)
Adoes not reduce earnings per sha	re (EPS)	60.8%		71.2%	23.4%
Bleads to reporting a higher earning	49.5%	4	57.0%	22.4%	

TABLE 4 (continued)

		Which m	otnio is mono i					
			letric is more in	mportant to th	ie top manager	nent at your c	ompany?	
Firm Characteristic	Mean	GAA	P ETR	Cash Ta	xes Paid	Both are e	qually Imp.	
Firm Size (\$ Mil.)	9,897	9,9	010	3,8	3,844		030	
GAAP ETR (%)	32.3%	31.	4%	30.	30.4%		.2%	
3-Yr Cash ETR (%)	29.7%	25.	25.9%		<mark>6%</mark>	30.	.7%	
P(Tax Shelter)	94.3%	96.	4%	91.	<mark>4%</mark>	92.	.4%	
DTAX	0.03	0.	04	0.	06	0.	.01	
ROA	0.07	0.	09	0.	02	0.	.07	
Leverage (%)	20.8%	17.	17.3%		8%	22.	.9%	
US NOL (%)	46.3%	33.	33.3%		65.2%		.6%	
Ad. Intensity (%)	1.5%	1.4	1.4%		1.6%		1.6%	
R&D Intensity (%)	2.6%	2.3	3%	3.5	3.5%		2.6%	
Retail Industry (%)	9.0%	9.1	1%	10.	2%	7.4%		
Abnormal Accruals	0.09	0.	08	0.	0.10		0.10	
Analyst Following	9.13	10	.15	6.56		9.35		
Institutional Own	50.8%	54.	5%	40.7%		52.8%		
Altman's Z-Score	4.40	5.	39	3.	13	3.77		
		Q	2	Q3	- A	Q3	- B	
			gies Pitched e Earnings		gy does not ce EPS		gy Leads to er EPS	
Firm Characteristic	Mean	Often	Not Often	Imp.	Not Imp.	Imp.	Not Imp.	
Firm Size (\$ Mil.)	9,897	7,896	8,743	7,987	6,629	9,497	9,452	
GAAP ETR (%)	32.3%	36.7%	31.1%	35.6%	29.8%	34.2%	31.2%	
3-Yr Cash ETR (%)	29.7%	23.2%	32.5%	29.3%	29.4%	30.2%	27.6%	
P(Tax Shelter)	94.3%	93.3%	95.1%	93.7%	98.0%	92.8%	95.3%	
DTAX	0.03	0.02	0.03	0.03	0.08	0.03	0.02	
ROA	0.07	0.08	0.07	0.07	0.06	0.08	0.06	

Panel D: Descriptive statistics and univariate tests

Leverage (%)

US NOL (%)

Ad. Intensity (%)

R&D Intensity (%)

Retail Industry (%)

Analyst Following

Instit. Own (%)

Altman's Z-Score

|Abnormal Accruals|

20.8%

46.3%

1.5%

2.6%

9.0%

0.09

9.13

50.8%

4.40

21.5%

49.3%

1.2%

2.4%

4.0%

0.10

9.22

4.34

56.8%

20.5%

44.3%

1.6%

2.6%

12.2%

0.08

9.14

48.1%

4.51

20.5%

43.8%

1.5%

2.6%

8.4%

0.08

9.08

4.62

51.6%

22.0%

49.5%

2.2%

2.2%

11.6%

0.11

9.10

48.3%

4.01

19.6%

47.2%

1.7%

2.6%

5.9%

0.10

9.17

4.75

54.6%

21.2%

44.0%

1.6%

2.4%

11.5%

0.09

8.93

3.91

46.0%

Dependent Var	riable: GAAP ETR Ra	ating
Variables	Coefficient	z-Statistic
Log(Assets)	-0.008	-0.33
ROA	1.604 ***	3.50
Leverage	-0.303 **	-2.06
US NOL	0.053	0.52
R&D Intensity	-0.773 *	-1.66
Analyst Following	0.016	0.49
Institutional Ownership	0.138 *	1.54
Abnormal Accruals	-0.434	-1.14
Altman's Z-Score	0.006	0.45
Pseudo R Squared	23.8	33%
Ν	17	74

TABLE 4 (continued)

Panel E: Determinants of rating GAAP ETR as important

Notes: Panel A includes responses to the question listed in the top half of the panel and statistical tests between the factors in the bottom half of the panel. For the questions in Panel C, the survey provides a 5-point rating scale ranging from 0 to 4 with a rating of 0 labeled "Not at all important" and a rating of 4 labeled "Very important." The percentages listed in panel C of the table under "% Important" are the percentages of respondents that gave a rating of 3 or 4 for that particular factor. Definitions of the variables listed in Panel D are in the appendix. Panel E includes probit regression results where the dependent variable is one if the company rated the GAAP ETR as the most important metric to top management relative to cash taxes paid; the dependent variable is set to zero if cash taxes paid was the most important metric (firms that said both metrics are equally important are excluded from the analysis). Highlighted fields indicate a statistically significant difference in the average rating between public and private firms at the 10% level or better. All variables are defined in the Appendix.