Estinating tax gap is exerything to an informed response to the digital caa

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Measuing tax gaphightights' except ting an expanding digital can tax gap neasures the difference between the theoretical tax liability a links tax policy design revenue administration performance and tax	rdactual revenue collec	ted its neasurement transparently
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Keywords taxgap digital era reverue administration taxpolicy	(த ழ di

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though tax gap analysis, questions are raised which cannot be easily answered, especially those which have their resolution through tradeoffs between various stakeholder interests. In fact multiple methods for informing on the same issue is a strength of tax gap analysis as different approaches add to the knowledge and insight into complex issues. Section 4 builds on the analysis in sections 2 and 3 to highlight how tax gap analysis can bring transparency and evidence to how an unber of digital east what if scenarios impact on revenue achimistration and policy design, and section 5 conducts.

What will be dear is that tax gap holistically and competensively fianted, can do much to bring transparency through providing an evidence base on the issues a ising from the tax impact of the digital enaments are used any tensions involved in any response

2 TAXGAPFRAMED

21 Whytaxgapisimportant

Taxgapistrediffereebetveen potential taxcollections and actual taxcollected. This is important not just because it highlights potential revenue lost through achimistration issues, but because it can demonstrate how legislated tax design intent can be companised through its implementation and achimistration. In addition, taxgap can provide evidence of design in efficiencies arising from unintended taxinche decorronic distortions to tax payer behaviour evident in the difference between actual and potential tax revenue. Tax gap also highlights in equities arising from not every one paying their fair share of the intended tax burden. Issues related to the simplicity descrive of good tax design will also be revealed through tax gap estimates demonstrating how complexity might result in reduced compliance because of the high costs in complying with the law Tax system sustain bility will also " na li t

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statistician tax gap is of interest as it can provide an insight into nonobserved and unegistered economic activity which has the potential to impact the official recording of national accounts statistics. In fact all government achinistrations that provide input into government policy and its achinistration have a stake in what tax compliance gap and tax policy gap might reveal, particularly agencies achinistering social transfer policies.

Theeis no eacon why tax gap studies cannot be expanded by conditions by an evenue administration if it was also administering regative taxes (such as tax coed is and subsidies) or social (incone contingent) transfer programs. Taxes administered could also have linked to the minary gap analysis budens a using from (in) efficient tax policy (or dead weight losses) and from complex legal design that results in an administrative cost () for government and a compliance costs () for the tax payer. In this case the buden of a tax () when broadly cast can be defined as

This neasure is reverue lost despite all reverue administration compliance actions. If

 $\begin{array}{ll} \textbf{mstneanthat} \textbf{dangs in never near hir is tration and tax design will elicit behaviour all responses which @ & \textbf{i} \\ \end{array}$

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3 MEASURING TAX COMPLIANCE GAP

Taxonpliane gaplus nary cases and can be linked to both known and uknown sources as shown in Figures 2 and 3 lit can aise from information asymmetries which are too costly and difficult to achies by the reverue achimistration or from capacity and capitility constraints arising from budget imposed constraints. As shown in Figure 4, these can be grouped according to whether the and to tax payes then selves are and to the reverue achimistration when unbacking tax gapes finates. What Figure 4 highlights is that nost challenging are the which are beyond the reverue achimistration for legitimate or illegitimate reasons. The challenge for tax gap studes is how to competensively neasure the various components contributing to the gap and, in the process, to highlight in any approach what goes still unneasured (or unadnowledged) as with publicantic aising from the non-braved ecorony (NCE) in Figure 3.

Fig 4 TaxComplianceGapandtheUnknowns

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31 Methodological issues in measuring tax compliance gap

Tax gaphas many sources and can be linked to many as noted in Figure 4. However, there are two basic methodogies that have been applied to measuring tax gapine mpinical studies. With most studies initiated by reverse administration, we can group these methodogies in terms of how they relate to the activities of the reverse administration.

The first nethod is the top down approach based and stacellected from sources to the reverue administration to estimate the theoretical liability for a particular tax based on the application of convert tax policy rules. The data is usually high level and identified as capable of poviding an independent verification of collection outcomes by the reverue administration throughestimating and contrasting it to . Figure 5 outlines how top down tax gapes timates are made and Figure 6 some examples of data sources used

The coollary of the topdown approach is the bottomup approach which uses information available to the revenue achimistration from sources accompanied where possible by external sources, to estimate the potential revenue from the tax being achimistered. Figure 5 outlines the steps in undertaking bottomup tax gap estimates and Figure 6 the data sources used.

publicly is that undertaken in the UK and, as shown in Figure 9 a complex range of alternative methodologies is adopted

Importantly, rosingle nethodogy is 'best' as undertaking such studies is an exclying process of constant refinement. A review of past UK tax gap reports highlights how the nethodogy adopted for different taxes has charged narkedly over time, 9 noving variously between top down, bottom up and a mixed nethods approach, diven by experience, improved data access and nethodogical refinements.

Fig 6 InformationSources for different TaxComplianceGapApproaches

Top Downapproach	BottomUpapproach
National accounts data for GST Tax Gap	Operational data for personal and company tax gap

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activities that taxis "unkroom tod" and so assued as accuste and paid (OECD), 2014, p. 51).

WhiletheOEO(2014) provides respecific partical guidance on how to measure assured. Figure 10 contrasts this measure with other achimistration performance measures such as audit yield, total revenue effects and wider revenue effects. In a practical sense, taxassured() arises when the revenue achimistration can be assured it has 'justified trust' in such as when it is prefilling personal income tax returns using third party information. Where there is a reliance on the tax payer to volunteer information without third party conducation (as with income deductions claimed without verification), the tax related to it() is not tax assured as there is no justified trust in the information submitted.

Fig 10 Measures of Revenue Outcomes

Sauce Author's adaptions to OECD (2014, Figure 32).

The correct of tax assued is giring sone acceptance with the ATO adopting it as a

can be added to to estimate the proportion of in which the revenue administration have justified trust.

From (6), (7) and (11), by definition

where theoretical tax liability assured theoretical tax liability not assured

Theproportion of assued() and not assued() therefore becomes

The approach above assures — is not tax assued on the basis that, without the compliance activity by the reverue arbitristration, this revenue would not have been assued. What is then of particular interest to the revenue arbitristration is the proportion of tax actually collected (—) that can be assued (—A) or not assued (—), defined as

- (iv) Components related to an einterpreted as tax assured but should be defined as not tax assured if they were identified as relevant only as a result of compliance activity, and
- (v) Theeis roccanidation of tax compliance gap

Withboth taxable incone and tax being a net calculation () f

Taxgapcan be readily incorporated into this approach For a tax with model utions or reliefs the tax assued proportion of is

The proportion of tax revenue that can be assured using the absolute approach in the presence of deductions and reliefs is:

In both cases, irrorporating tax gap into the tax assued calculations significantly imparts the rational factor of the tax assued calculations significantly in tax assued calculations significantly in the tax assued calculations significantly in tax assued calculations are supported to tax assued calculations.

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achinistration daining success in increasing compliance while ignoring the fiscal and economic cost of its overall impact on other sectors of both the economy and government.

Undertaking tax gap studies over time can dealy highlight the counterpoint to invessed compliance being decreased economic activity and the imposition of montax

perceptionishigherthanthereality) and as Allingham and Sanchro (1972) highlighted tax nurale can explain sustained high levels of tax compliance which are quite independent of tax policy design and how tax revenue is expented by authorities

Determining the level of audit activity designed to reduce tax gap must ultimately involve issues beyond the revenue administrations such as the appropriateness of the based dirition and of the rate structure. Equally, consideration of rate and based sign cannot be considered in isolation from tax gap. What should be dear is that estimating tax gap has the potential to provide information for evidence based responses to compliance actions as well as rate and based sign.

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Rottomup Tax Compliance Gap Contextualisation Case Study of

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aults) SKAT^{a0} abasis on which to propose and daft rewlegislation designed acural compliance data and wither having the planning process and enabling evidenced based actions

Cealy, the great strength of tax gap analysis is that it enables quantification of what is too often only able to be qualified, facilitating an overfrom actions to often based only on a reachtal evidence, to those which are evidence based and where policy responses

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compliance gap may also be an issue for the official statistician immuch as data concerns aising from tax gap estimation by the reverue achimistration might have implications for official statistics as occurred in the UK as a result of cacusel fraud impact on VAT collections and therefore VAT gap (Ruffles et al., 2008)..

is possible that many of these taxpayers might have received refunds which they previously had not claimed. However it is equally likely they are in receipt of other inconescures, particularly cashwages for which additional taxis due.

Another pescral income taxpayer trend post GFC of concernis that demonstrated in Table 1. This Table shows that in the seven years to 2014 15, over 500,000 young people, relative to the baseyear of 200708, were enlarger taxpayers, all at a time when the casualisation of the workforce would imply that the opposite should be the case. If the trends in Figure 15 and in Table 1 are in any way related to, or potentially reflective of, how the digital erais impacting economic activity, then a passoral income tax gap study could be pinhighting whether these two trends are related to monompliance (or not) such as a response to an economic environment where increased market competition and increased opportunity has encuraged employers to avoid their tax responsibilities under the law in an effort to minimise costs.

Table 1: Explaining the Unknown Case of the Disappearing Young Taxpayers

Age	1517yo	1824yo

Small businesses have available to the manaft of tax experditures such as accelerated

if a bottomup tax compliance gap study revealed that the digital era is embling significant wage and salary noneporting? Such under reporting not only impacts tax integrity, but the integrity of official survey findings on average wages and salaries and for the compensation of employee value included in the rational accounts data. Consect reporting of wages and salaries has implications well beyond tax such as where it is used to index transfer payments or incone tax thresholds.

If abottomuptakcompliance gapstudy reveals private expenses are being claimed as adeduction against business income, this not only has implications for personal and business income tax reverse but also for the related aggregates in the rational accounts including gross mixed incomes (ABS, 2013), intermediate inputs into business, final expenditure by households and capital expenditure by businesses.

Taxgaparalysis dealy asks nany questions and undertaken comprehensively, has the potential to provide the exidence base for not just better revenue administration but better taxpolicy design and improved official statistics

44 'What if issues for other non revenue administrations

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