Corporate and Individual Tax Expenditures 2016

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Key Findings

- A tax expenditure is a departure from the normal tax code that lowers a taxpayer's burden, such as an exemption, a deduction, or a credit.

- The list of tax expenditures in a tax system depends heavily on what one considers the normal tax code to be.

- Some tax expenditures are special preferences for particular kinds of economic activity. These may deserve elimination in order to fund broader tax relief, or they may be better off as spending programs for the purpose of more transparent government accounting.

- Some tax expenditures are attempts to change the U.S. tax system more broadly, often moving the tax code closer to systems employed by other OECD countries. These piecemeal efforts to change the U.S. tax code suggest that a broad reform to redefine the tax base would be welcome.

- The largest individual tax expenditures tend to prioritize health, housing, and individual saving.

- The largest corporate tax expenditure is deferral, which moves the worldwide system of corporate taxation closer to the territorial system used by most other OECD nations.

- The total cost of tax expenditures from 2016-2025 is $17 trillion, with $2 trillion in corporate expenditures and $15.1 trillion in individual expenditures.

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Introduction

A tax expenditure is a departure from the "normal" tax code that lowers a taxpayer's burden – for example, an exemption, a deduction, or a credit. They are called tax "expenditures" because, in practice, they resemble government spending.¹

The most obvious kind of tax expenditure is a provision that directly lowers the tax burden for a subset of taxpayers engaged in a specific activity. For example, consider a taxpayer claiming the American Opportunity Tax Credit who gets a lower tax bill because he has qualifying college expenses. One could achieve a functionally identical result by administering the credit through a spending program instead of the IRS. The tax credit "spends" by forgoing the revenue collection in the first place.

However, measurement of tax expenditures can often be more complicated than the clear-cut example above. What one considers to be a tax expenditure tends to depend heavily on what one considers the "normal" tax code to be. As a result, both deliberate broad-based changes to the tax code and narrow tax preferences can be labeled as tax expenditures.

The U.S. has both an individual income tax and a corporate income tax: therefore, there are both individual and corporate tax expenditures. The individual income tax is the larger tax, and consequently it has the larger tax expenditures. This report will review some of the most significant expenditures in the individual and corporate income tax codes.

Lawmakers interested in reforming this area of the tax code should examine each expenditure individually and first consider what kind of expenditure it is. Does it move us toward a different tax system? Is it spending on an important priority of society at large? Or does it narrowly provide a preference to a specific industry or activity? Answering these questions and classifying the expenditures is critical in determining which are worth keeping.

A Brief History of Tax Expenditures

The idea of the tax expenditure was developed in the 1960s by Assistant Secretary of the Treasury Stanley Surrey. It officially became part of the tax policy lexicon in 1974, when Congress mandated that tax expenditures be recorded as part of the annual budget. Under that act, tax expenditures were officially defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of tax liability."²

This is a useful definition for highlighting spending on specific industries or social priorities, and estimating the cost of including those provisions in the tax code. However, any measure of tax expenditures that begins from a particular tax system will always treat any change to it – no matter how broad – as a tax expenditure. It is therefore important to separate broad-based changes to the tax code from narrow preferences.

**What is the Normal Tax Code?**

Given that a tax expenditure is defined as a departure from the "normal" tax code, the nature of tax expenditures depends crucially on what the "normal" tax code is. The Treasury Department and the Joint Committee on Taxation (JCT) have adopted similar definitions, but while these definitions have been consistent, they are not economically coherent.

The federal tax system is built on a poor intellectual foundation; it relies heavily on a definition of income developed by economists Robert Haig and Henry Simons almost a century ago. The Haig-Simons definition of income is that income equals the sum of your consumption and your change in net worth; \[ I = C + \Delta NW \]. This is a useful accounting identity. It tells us that what we don't spend on consumption becomes accumulated saving. However, it is not necessarily a good tax base.

There is an issue with including both a person's consumption (C) and his or her change in net worth (ΔNW) in the tax base. The issue is that a change in one's net worth usually becomes consumption at a later date. (For example, an average individual accumulates net worth throughout her working life and spends it down in retirement.) As a result, the Haig-Simons definition single-counts some kinds of consumption, but double-counts other kinds for the purposes of taxation.

A distortion like this one – where some kinds of economic production get taxed more than other kinds – is generally a drawback. But this particular distortion is unusually powerful because it artificially reduces the after-tax return to saving and investment. Since people's saving and investment decisions are sensitive to expected after-tax returns, the result is substantially less capital formation, which means smaller increases over time in productivity, incomes, and employment.

There are, of course, alternative tax bases. Among these are sales taxes, value-added taxes (VATs), excise taxes, corporate income taxes, payroll taxes, and property taxes. All of these tax bases are used in various places around the world, and all have benefits and drawbacks. There is no objective reason to define any particular tax base as “normal” for the purposes of counting tax expenditures.

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The chosen “normal” tax code in Washington includes an individual income tax based on the Haig-Simons definition paired with a corporate income tax – although Simons regarded the corporate income tax as a double tax that he did not include in his definition of income. At times, government bureaus also measure tax expenditures from the payroll taxes that fund social insurance programs like Social Security.

Even after defining the “normal” tax base, there are still many issues in methodology. For example, measuring some changes in net worth (like capital gains) is a difficult problem. A taxpayer’s net worth may include assets with ever-changing values. For this reason, changes in asset value are usually only recorded as capital gains (or losses) upon the sale of the asset.

This is certainly a departure from a pure Haig-Simons income tax – and as a “deferral of tax liability,” it would be considered a tax expenditure under the Haig-Simons definition – but it is too difficult to calculate. As a result, it is usually not considered a tax expenditure, and the “normal” tax code measures changes in net worth only when they are realized.

This is one of the many compromises that the Treasury and JCT have to make in order to nail down a definition of tax expenditures. Some of these choices are extremely significant. For example, progressive income tax brackets are not counted as a “preferential rate of tax.” As a result, the official list of tax expenditures appears to favor wealthier taxpayers, because the progressivity of the tax system is already assumed in defining the base.  

Additionally, personal exemptions and the standard deduction are generally considered not to be tax expenditures, but rather part of a structure that defines a zero-rate bracket.  Personal exemptions are a particularly curious example, because they effectively lower the tax bill for adults with more dependents. Child tax credits, which serve the exact same purpose, are considered to be tax expenditures.

Additionally, the corporate income tax (at any rate Congress chooses) is considered “normal,” even though it is duplicative with income taxes on shareholders.  This corporate tax code gets deductions for employee compensation and a particular kind of deduction for capital costs, known as the alternative depreciation system (ADS).  There is no particular reason to believe that this deduction for capital costs is the only “normal” one, and the U.S. has in fact experimented with many different systems over the last century. ADS, however, was the method in use at the time that tax expenditures were invented as a concept.

Given all of these metaphysical questions about what constitutes a normal tax structure, the true nature of tax expenditures will always be somewhat subjective. The particular

7 For an example of the limitations of this definition, consider a tax plan that increases individual income taxes on corporate income by a percentage point, but reduces corporate income taxes by a percentage point. Most observers would say this is an inconsequential plan that mostly cancels itself out, but it would be a reduction in tax expenditures under JCT’s definition.
nature of what constitutes a tax expenditure in Washington is partially economics, partially one's value judgments, and partially historical accident. However, rather than devising an alternative measure of tax expenditures, this report will concern itself with tax expenditures as measured in practice.

**89% of Tax Expenditures in the Next 10 Years Go to Individuals**

_**Tax Expenditures, Fiscal Years 2016-2025 (Billions of Dollars)**_

The largest individual tax expenditures usually have one of two roles. The first role is to prioritize certain kinds of consumer spending (especially housing and healthcare) over others. This is a practice that should be reviewed with skepticism; the primary purpose of the IRS should be to raise revenue, not to encourage particular types of economic activity.

However, a second purpose for individual tax expenditures is to move the tax code from a normal Haig-Simons income tax and toward other kinds of equally normal tax systems. Rather than view these as some kind of special tax break, or a departure from the normal tax system, we should see these as an attempt to move toward a different tax system entirely.
Here is a summary of the five largest individual tax preferences with their annual costs, as defined and estimated by OMB. It includes both tax expenditures that prioritize certain specific kinds of economic activity and those that redefine the tax system more broadly.

1. **The Exclusion of Employer Contributions for Medical Insurance Premiums ($2.7 trillion).** Employer contributions to insurance premiums reflect a tax preference for those taxpayers with employer-provided health insurance, because they receive a form of labor compensation that goes untaxed. This is easily the largest tax preference – for example, larger than all corporate tax expenditures combined.\(^9\)

   It is also the clearest example of Congress prioritizing some economic activities over others. Health is no doubt important, but the use of the tax code to bundle employment together with health insurance is worthy of skepticism.

   Recent Congresses have shown some willingness to chip away at this preference; for example, the “Cadillac Tax” in the Patient Protection and Affordable Care Act levies a tax on employer contributions above a certain threshold, which partly rolls back the exclusion.\(^10\) Additionally, the recent tax reform proposal by former Ways and Means Chairman Dave Camp (R-MI) included employer-provided health contributions in its definition of modified adjusted gross income.\(^12\)

2. **Exclusion of Net Imputed Rental Income ($1.2 trillion).** This line item comes from owner-occupied housing. In our tax code, if you rent real estate to someone, you pay taxes on that rental income. However, if you “rent” the real estate to yourself by living in your own home, there is no market income to tax. Your “income” comes from the personal benefit you get from your home. This benefit is called imputed rent. This exclusion is considered a tax expenditure due to the definition of income used in the tax code.

   In practice, this tax expenditure exists mostly because imputed rent is not an easy tax base to understand or assess.

3. **Lower Rate for Capital Gains ($1.1 trillion).** This is listed as a tax expenditure because the normal tax code defined by JCT includes a full Haig-Simons individual income tax in addition to a corporate income tax. This tax expenditure, in some ways, returns to a pure Haig-Simons definition, because it acknowledges and compensates for the corporate income tax on the individual side. Shareholders can pay taxes either individually or through corporations, and the U.S. income tax code – in practice – splits the burden between the two.

\(^9\) Id.

\(^10\) In addition to this lost income tax revenue, OMB estimates that over 2016-2025 the provision will reduce payroll tax revenue by an additional $1.6 trillion, for a combined total revenue loss of $4.3 trillion. This tax expenditure has a greater budgetary impact than the entire corporate income tax.


\(^12\) Though eliminating the tax exclusions for employer-provided health insurance would move toward a neutral base, a system including a measure of modified adjusted gross income would not.
Other countries, like Australia, also split this burden, but they do it in a more explicit and intentional way through corporate integration.¹³

This is an example of a reform that is clearly designed as a move toward a different kind of tax system (perhaps, an equal tax on all income with corporate integration) but it does not represent special tax treatment for a specific sector of the economy. Rather, it is a deliberate attempt to move the tax code past the definition of normalcy that was chosen in the 1970s.

4. Deductibility of Mortgage Interest on Owner-Occupied Housing ($948 billion). This is the largest individual tax deduction and the third-largest individual tax expenditure. There is some logic with this expenditure: if interest income on mortgages is taxable, then the lost income from paying that interest should be deductible – otherwise the borrower and the lender are taxed on the same income, creating a double tax. However, this would be better addressed with some type of comprehensive treatment of interest rather than a specific one for owner-occupied housing alone.¹⁴

5. Defined Contribution Employer Plans ($921 billion). 401(k) plans and similar retirement vehicles allow taxpayers to deduct retirement savings and pay income taxes only when those savings are withdrawn. Defined benefit employer plans ($45 billion) and individual retirement accounts ($17 billion) are treated similarly, but counted as separate tax expenditures. These are lowered tax burdens only in the sense that they are considered a “deferral” of tax liability from what is seen as the normal tax code. Many tax systems – like those for pensions in most countries, not just ours – defer tax liability on pension contributions until the money is paid.

More broadly, this represents a move toward a style of tax known as the consumed income tax or inflow-outflow tax.¹⁵

Combining some of the large individual tax expenditures with similar purposes reveals that only a few big priorities motivate most tax expenditure spending. The three largest housing expenditures, for example – the imputed rent exclusion, the mortgage interest deduction, and the capital gains exclusion on housing sales – combine for $2.7 trillion. The employer-provided health insurance exclusion accounts for $2.7 trillion. Defined benefit and defined contribution plans together with individual retirement accounts add another $1.7 trillion.

Many of these large tax expenditures are a deliberate effort to mitigate the issues with the normal tax code defined in 1974. However, these efforts are stronger for owner-occupied housing than most other kinds of investment, which shows that preferential treatment of particular sectors of the economy is also a priority in the tax expenditure budget.

The employer health exclusion is the biggest example of a tax expenditure used to prefer a particular sector of the economy, but there are smaller ones as well. These include the credits for Empowerment Zones, the DC Enterprise Zone, and Renewal Communities. These, for example, are designed to favor certain areas of the country with lower taxes. This is spending through the tax code – the original intended definition of a tax expenditure.

**Nearly Half of Individual Tax Expenditures Are about Saving, Health, and Housing**

*Individual Tax Expenditures, Fiscal Year 2016-2025 (Billions of Dollars)*

Largest Corporate Tax Expenditures

Corporate tax expenditures, collectively, are far smaller than the individual tax expenditures. Nonetheless, some of them are quite substantial. The corporate tax code follows a similar story to the individual tax code. Some tax expenditures are legitimate attempts to make broad-based modifications to the tax code. Others, though, are attempts to favor certain sorts of economic activity over others. Here are the four most significant corporate tax preferences:

1. Deferral of Income from Controlled Foreign Corporations ($853 billion). Deferral is the largest corporate tax expenditure, though still smaller than any of the big individual tax expenditures. This tax expenditure represents the fact that the additional domestic tax on foreign earnings (i.e., the repatriation tax), which is over and above what is paid abroad, can be deferred as long as the earnings remain invested abroad.\(^\text{16}\)

This expenditure, like many others, is entirely an artifact of what is assumed to be normal. The corporate tax considered to be normal by JCT is a “worldwide” system of corporate taxation. However, most countries in the OECD have now moved to territorial systems of corporate taxation, where countries tax only the business activity located within their jurisdictions.\(^\text{17}\)

Furthermore, JCT considers it normal for the businesses to owe their taxes immediately when the income is earned, rather than when it is repatriated. This is far from a normal tax system; if anything, it is the opposite. In the few remaining countries with a worldwide tax system, all have deferral as a way to keep their multinational companies somewhat competitive with those based in territorial countries.\(^\text{18}\)

Indefinite deferral approaches a territorial tax system of full exemption of foreign earnings, although it involves excessive tax planning and administrative costs and results in the problem of locked out profits.

2. Accelerated Depreciation of Machinery and Equipment ($228 billion). This expenditure comes from the corporate tax code’s treatment of investment. When a physical asset – like an industrial lathe – is purchased, the corporate income tax code recognizes it as a legitimate business expense. However, its purchase price is written off over a depreciation schedule of years or decades and not all counted immediately. There are infinitely many schedules possible, specific to each individual kind of asset a business could possibly buy.


\(^{18}\) New Zealand is one country that tried the system of worldwide taxation without deferral. This was so harmful to economic growth that the country abandoned the effort and switched to a territorial tax system in 2009. See William McBride, New Zealand’s Experience with Territorial Taxation, TAX FOUNDATION FISCAL FACT NO. 375, June 19, 2013, http://taxfoundation.org/article/new-zealands-experience-territorial-taxation.
The Joint Committee defines the alternative depreciation system (ADS) as the normal way to account for business deductions, but there is nothing particularly special about it; as its name implies, it was an alternative to previous depreciation schedules. Since then, newer depreciation schedules have succeeded ADS, and they are no less legitimate. ADS has not been used for many years; the current system is called the Modified Accelerated Cost Recovery System (MACRS).

In December 2015, a number of tax rules pertaining to faster depreciation lives, which were set to expire, were made permanent by Congress in the PATH Act of 2015. Others were allowed to phase out. This came after nearly a decade of costly struggles over which assets should get faster depreciation lives, and which should get shorter ones.

There is a better way to go forward. While depreciation is a useful accounting concept to calculate book values of corporations, the economic costs of an asset should be reflected by expensing; that is, the cost of the asset should be deductible in the year that the money is actually spent, properly reflecting the time value of money. This is the sort of deduction that business transfer taxes or VATs use, and it is in many respects much more normal than anything that the U.S. has used in the past few decades.

3. Exclusion of Interest on State and Local Bonds for Public Purposes ($187 billion). Interest on certain municipal bonds is excluded from federal taxation. The loss of tax revenue from corporations that hold these bonds is expected to be $187 billion over 2016-2025. However, this measure is typically defined as a measure of aid to state and local governments, not as aid to the lenders. In practice, bondholders have to pay a premium for these tax-exempt bonds – that is, they are willing to accept lower interest rates. The money lost by the federal government, then, is given to states in the form of lower borrowing costs.

While many states and municipalities rely on federal aid, it may be better to fold this kind of aid into an existing spending program for all states, rather than subsidizing states explicitly for using debt financing.

4. Deduction for U.S. Production Activities ($146 billion). Also known as Section 199, this is a 9 percent deduction for businesses with qualified production activities in the United States. Mathematically, it is equivalent to reducing the corporate income tax rate from 35 percent to 31.85 percent on income from qualified domestic production activities. Although this is certainly an incentive for businesses to invest in the United States, and it is taken by most industries, it is not applied to every industry. If this deduction were simply turned into a neutral rate reduction for all business, it would be better policy, and it would no longer be considered a tax expenditure.

19 ADS is often considered to be the closest depreciation schedule to real-life economic depreciation, but it is effectively impossible for the IRS or any other organization to measure the lives of assets in real time. Any depreciation schedule is an approximation.


21 Unlike a business tax code with depreciation schedules, a business tax code with expensing can easily determine the appropriate size of deductions. It simply bases them on actual cash flow, a method that is neutral across all business.

22 This is explicitly noted in the OMB’s Analytical Perspectives.
These expenditures make up a majority of corporate tax expenditures from 2016 to 2025.

### Three Provisions Account for Over Half of All Corporate Expenditures in 2016-2025

**Corporate Tax Expenditures, Fiscal Years 2016-2025 (Billions of Dollars)**

- **Deferral**: 39%
- **Accelerated Depreciation of Machinery and Equipment**: 10%
- **Interest Exclusion on State and Local Bonds**: 9%
- **Qualified Production Activities**: 7%
- **All Other Corporate Expenditures**: 35%

**Source**: Office of Management and Budget, Analytical Perspectives, Budget of the United States Government, Fiscal Year 2017.

### Some Tax Expenditures Change the Tax Base, Others Are Special Preferences

In truth, America’s corporate and individual income taxes are not quite income taxes; they are hybrids that include many elements of other tax systems.

For example, within the individual income tax code, the IRA, the 401(k), and the defined-benefit pension are all nods toward a consumed income tax. Within the corporate code, deferral is a nod toward the territorial system employed by most of the OECD.

It is often said that the U.S. is also the only country in the OECD without a VAT. But taken as a whole, businesses in the U.S. do pay tax on something approximating the VAT base; business inputs are exempted, earnings to capital are taxed through the corporate income tax, and earnings to labor are taxed through the employer-side payroll tax.

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Tax expenditures can be divided into roughly three categories. The first, and generally the largest in value, is the kind described above, which modernize our tax code and move it toward some of the tax systems used by our trading partners. The second kind are expenditures like the child tax credit or the health exclusion: ones designed with broader social policy priorities in mind. And the final kind are subsidies to specific industries.\textsuperscript{24}

Tax expenditures in the first category should be taken seriously, and most of them were made with legitimate policy ideas in mind. They should be understood not as special preferences that move us from a normal tax code, but rather, as deliberate and broad provisions to challenge the idea of what a normal tax code should be. Under other, equally valid tax systems used by our trading partners, they would not be considered tax expenditures at all.

Tax expenditures in the second category – expenditures like the child tax credit or the employer health exclusion – are quite obviously spending provisions reflecting a legitimate governing priority. A society should, of course, care deeply about its children and its health. However, the way in which it provides for these priorities should be up for debate.

Only the tax expenditures in the third category – ones designed entirely to subsidize specific industries – deserve outright elimination. This kind of expenditure is usually the kind that people are most eager to eliminate. However, precisely because people are so eager to eliminate them, there are fewer of these than one might imagine.

\textbf{Conclusion}

Determining what constitutes a tax expenditure is a subjective and difficult exercise. However, it has important implications for tax policy, because the elimination of tax expenditures is a popular way to pay for tax reform. It is therefore important to remember that a haphazard elimination of every tax expenditure, regardless of kind, would be misguided.\textsuperscript{25}

Not all tax expenditures are equally worthy of elimination. It is important to ask, for each expenditure, whether it serves a reasonable purpose and whether it accomplishes that purpose in a reasonable way. This trillion-dollar area of the tax code deserves examination and a degree of healthy skepticism, but it doesn’t deserve across-the-board elimination.