# 1NC

## Offs

### 1

#### Interp – reductions are permanent

Reynolds 59. Judge (In the Matter of Doris A. Montesani, Petitioner, v. Arthur Levitt, as Comptroller of the State of New York, et al., Respondents [NO NUMBER IN ORIGINAL] Supreme Court of New York, Appellate Division, Third Department 9 A.D.2d 51; 189 N.Y.S.2d 695; 1959 N.Y. App. Div. LEXIS 7391 August 13, 1959)

Section 83's counterpart with regard to nondisability pensioners, section 84, prescribes a reduction only if the pensioner should again take a public job. The disability pensioner is penalized if he takes any type of employment. The reason for the difference, of course, is that in one case the only reason pension benefits are available is because the pensioner is considered incapable of gainful employment, while in the other he has fully completed his "tour" and is considered as having earned his reward with almost no strings attached. It would be manifestly unfair to the ordinary retiree to accord the disability retiree the benefits of the System to which they both belong when the latter is otherwise capable of earning a living and had not fulfilled his service obligation. If it were to be held that withholdings under section 83 were payable whenever the pensioner died or stopped his other employment the whole purpose of the provision would be defeated, i.e., the System might just as well have continued payments during the other employment since it must later pay it anyway. The section says "reduced", does not say that monthly payments shall be temporarily suspended; it says that the pension itself shall be reduced. The plain dictionary meaning of the word is to diminish, lower or degrade. The word "reduce" seems adequately to indicate permanency. Aside from the practical aspect indicating permanency other indicia point to the same conclusion. From 1924 (L. 1924, ch. 619) to 1947 (L. 1947, ch. 841) a provision appeared in the Civil Service Law which read substantially as follows: "If the pension of a beneficiary is reduced for any reason, the amount of such reduction shall be transferred from the pension reserve fund to the pension accumulation fund during that period that such reduction is in effect." (See L. 1924, ch. 619, § 2 [Civil Service Law, § 58, subd. 4]; L. 1947, ch. 841 [Civil Service Law, § 66, subd. e].) This provision reappears in the 1955 Retirement and Social Security Law as subdivision f of section 24. This provision is useful for interpretative purposes. Since it prescribes that moneys not paid because of reduction should be transferred back to the accumulation fund the conclusion is inescapable that such reductions were meant to be permanent. If temporary suspensions were intended this bookkeeping device would result in a false picture of the funds, i.e., the reserve fund would be depleted when it would contain adequate funds to meet eventual payments 57\*57 to present pensioners. Likewise, the accumulation fund would be improperly inflated with respect to the present pensioners. Section 64 of the Retirement and Social Security Law (§ 85 under the 1947 act) provides that any disability pension must be reduced by the amount payable pursuant to the Workmen's Compensation Law if applicable. In Matter of Dalton v. City of Yonkers (262 App. Div. 321, 323 [1941]) this court interpreted "reduce" to mean "offset" in holding that under then section 67 (relating to Workmen's Compensation benefits as do its successors sections 85 and 64), pensions were to be offset by compensation benefits. This is merely another indication that "reduce" means a diminishing of the pension pursuant to a given formula rather than a mere recoverable, temporary suspension during the time other benefits or salaries are being received by the pensioner. (Also, cf., Retirement and Social Security Law, § 101 [§ 84 under the 1947 act].)

#### Violation – they only temporarily delay patent protections

#### Negate –

#### 1] Limits and topic lit – their model allows adding on infinite random suspensions to IP protections, anything from conditioning IP protections on human rights to monopolistic tendencies – the core of the debate is reducing IP protections, not temporarily suspending them.

#### 2] Precision—they justify the aff arbitrarily doing away with words in the resolution – nothing stops them defending telemedicine or big pharma bad next

#### Voters:

#### Drop the debater – they have a 7-6 rebuttal advantage and the 2ar to make args I can’t respond to

#### Use competing interps – a) reasonability invites arbitrary judge intervention since we don’t know your bs meter, b) collapses to competing interps – we justify 2 brightlines under an offense defense paradigm just like 2 interps.

#### No RVIs – a) illogical – you shouldn’t win for being fair – it’s a litmus test for engaging in substance, b) norming – I can’t concede the counterinterp if I realize I’m wrong which forces me to argue for bad norms

#### Evaluate T before 1AR theory – norms – we only have a couple months to set T norms but can set 1AR theory norms anytime

### 2

#### Violation – Interpretation – Marijuana isn’t a Medicine

Mosley 20, Mark. "Medical Marijuana Is a Dangerous Lie." Emergency Medicine News 42.8 (2020): 2-3. (Dr. Mark Mosley is an emergency medicine physician in Wichita, Kansas and is affiliated with Wesley Healthcare Center. He received his medical degree from University of Oklahoma College of Medicine and has been in practice for more than 20 years.)//Elmer

**Marijuana is not a medical drug.** It is a **slang term for** a **plant of the Cannabis family that contains more than 60 different cannabinoid substances and more than 80 biologically active compounds**. Using the term marijuana in place of THC would be like using willow tree in place of acetylsalicylic acid, the active ingredient in aspirin.

#### FDA and CDC definitions prove.

CDC ’18 (CDC; Centers for Disease Control and Prevention; 3-7-2018; “**Is marijuana medicine**?”; CDC; <https://www.cdc.gov/marijuana/faqs/is-marijuana-medicine.html>; Accessed: 9-4-2021; AU)

The marijuana plant has chemicals that may help symptoms for some health problems. More and more states are making it legal to use the plant as medicine for certain conditions. But there isn’t **enough research** to show that the whole plant works to treat or cure these conditions. Also, the U.S. Food and Drug Administration (FDA) **has not recognized** or **approved** the marijuana plant **as medicine**. Because marijuana is often smoked, it can damage your lungs and cardiovascular system (e.g., heart and blood vessels). These and other damaging effects on the brain and body could make marijuana more harmful than helpful as a medicine. Another problem with marijuana as a medicine is that the ingredients aren’t exactly the same from plant to plant. There’s no way to know what kind and how much of a chemical you’re getting.

#### Negate –

#### 1] Limits – their model explodes it to medical devices, anything that could be used in a medicinally, random herbs and more – only our definition creates a reasonable caselist for medicines while they make prep impossible and wreck engagement

#### 2] Precision – MRS is a legal definition of medicines from codified law and has intent to define which proves we’re right and consistent with topic lit

#### 3] At best – they’re extra-T since Cannabis isn’t intrinsically medicinal, it just has medicinal uses so they would reduce Recreational Marijuana patents too which isn’t topical and explodes limits.

Johnson 20 Ian Johnson 1-20-2020 "Cannabis Patents 2000 – 2019: Trends Following Legalization" <https://plantlaw.com/2020/01/20/cannabis-trends-medical-recreational/> (Registered Patent Agent, Plant & Planet Law Firm)//Elmer

These findings correspond to the overall increase in **cannabis-related patents** and demonstrate that the recreational patent sector is growing at an even greater rate than cannabis patents generally. This supports the theory that recreational markets and expansion of legal personal use of cannabis have resulted in an increase in patent activity in the industry. Again, publication totals are not necessarily the most accurate reflection of patent behavior by cannabis businesses. Therefore, it is useful to examine filing and provisional trends for recreational patents. These results are subject to the same 18-month delay problems noted above, and therefore actual and projected values are provided. Using actual filing data for 2017, there has been a 181% increase in filing activity since 2012. Using projected filing data for 2019, there has been a 257% increase in recreational filing activity since 2012. Using actual priority claims for 2017, there has been a 196% increase in provisional filing activity since 2012. Using projected priority claims for 2019, there has been a 289% increase in recreational provisional filing activity since 2012. The following charts demonstrate recreational filing trends from 2012 to 2019. Patents **that could be classified as recreational** **made up approximately 53% of all filings** between 2000 and 2011. However, **following legalization** the percent of patents and applications considered recreational has **increased to** approximately **77% of filings in 2018**. The chart below demonstrates the growth of the recreational sector’s share of cannabis patent activity.

### 3

#### Infrastructure passes now due to Biden and Pelosi involvement – Biden PC and tight timetables makes the margin for error literally ZERO

Elliott 9-16 (Philip Elliott is a Washington Correspondent for TIME. Before joining TIME in early 2015, he spent almost a decade at The Associated Press, where he covered politics, campaign finance, education and the White House. He is a graduate of the E.W. Scripps School of Journalism at Ohio University, September 16, 2021, accessed on 9-17-2021, Time, "Democrats Face a Grueling Two Weeks as Infighting Erupts Over Infrastructure", https://time.com/6098810/house-democrats-reconciliation/)//babcii

House Democrats yesterday finished penning a 2,600-page bill that **finally outlines the specifics** of their ambitious “soft” infrastructure plan that won’t attract a single Republican vote. But no one was really rushing to Schneider’s for bottles of bubbly. For a party ready to spend $3.5 trillion to fund its social policy agenda, there were plenty of glum faces on Capitol Hill. In fact, one key piece of the legislation—a deal that would finally let Medicare negotiate lower prices with drug companies—fell apart in the Energy and Commerce Committee when three Democrats voted against it. It found resurrection a short time later when Leadership aides literally plucked it from the Energy and Commerce team and delivered it to the Ways and Means Committee for its approval instead. Even there, though, one Democrat voted against it, saying the threat it posed to pharmaceutical companies’ profits would doom it in the Senate. “Every moment we spend debating provisions that will never become law is a moment wasted and will delay much-needed assistance to the American people,” Rep. Stephanie Murphy of Florida later argued. Put another way? Brace **for some nasty politics** over the next two weeks as House Speaker Nancy Pelosi tries to get this bill to a vote before the budget year ends on Sept. 30. And those 2,600 pages had better be recyclable. Democrats can **only afford three defectors** if they want to usher this bill into law, **and they’re perilously close to failure**. So far, five centrist Democrats in the House have said they prefer a scaled-back version of the Medicare component. But if Pelosi gives the five centrists that win, she risks losing the support of progressives who are already sour that things like a punitive wealth tax and the end to tax loopholes aren’t present in the current version of the bill. As it stands now, letting Medicare negotiate drug prices would save the government about $500 billion over the next decade. The scaled-back version doesn’t have an official cost, but a very similar version got its score in the Senate last year: roughly $100 billion in savings. Because Democrats are using a budgeting loophole to help them avoid a filibuster and pass this with bare majorities, that $400 billion gap matters a lot more than on most bills. Scaling back the Medicare savings means they would also have to scale back their overall spending on the bill—a big line in the sand for progressives who say they’ve already compromised too much. All of this, of course, comes as President Joe Biden and his top aides in the White House have been trying to get Senate **centrists onboard**. Just yesterday, he **met separately with Sens. Kyrsten Sinema and Joe Manchin**, fellow Democrats who have expressed worries about the $3.5 trillion price tag but have been vague about what exactly they want to cut back on. With the Senate evenly divided at 50-50, and Vice President Kamala Harris in position to break the ties to Democrats’ victories, any shenanigans from those two independent thinkers scrambles the whole package. Oh, and that other bipartisan infrastructure plan that carries $550 billion in new spending? It’s still sitting on the shelf in the House. Pelosi said she’d bring it to the floor only when the bigger—and entirely partisan—bill was ready. And there’s plenty of grumbling about that package, too. If this is all beginning to sound like a scratched record that keeps repeating, it’s because this has become something of a pattern here in Washington. Things look pretty grim for legislation in town these days, despite Democrats controlling the House, the Senate and the White House. Their margin for error **is literally zero**, and so hiccups from a half-dozen centrists can forewarn a doomed agenda. So far, Pelosi has been a master of holding the line on crucial votes and has managed to maneuver her team to victories, including on an earlier pandemic relief package that passed with only Democratic votes. Now she’s trying again, but the clock is ticking, and $3.5 trillion is an eye-popping sum of money that rivals the spending the United States unleashed to close out World War II.

#### Ev from this week proves its on the brink

Cochrane, et al 10/1 (Emily Cochrane, Luke Broadwater and Jonathan Weisman, [], 10-8-2021, “Biden puts the infrastructure bill on hold, saying Democrats need to unite on social spending.“, No Publication, accessed: 10-8-2021, https://www.nytimes.com/2021/10/01/us/politics/house-infrastructure-delay-vote.html) ajs

Mr. Cuellar noted that moderates had an agreement with Speaker Nancy Pelosi of California to vote on the bill this week, and said it was up to her how to handle that promise.

On Friday evening, Ms. Pelosi indefinitely postponed a vote on the infrastructure bill that she had promised to moderates who had publicly pushed for a stand-alone vote. She wrote in a letter to colleagues, “Clearly, the bipartisan infrastructure bill will pass once we have agreement on the reconciliation bill.”

“Our priority to create jobs in the health care, family and climate agendas is a shared value,” she wrote, adding that leading lawmakers were “still working for clarity and consensus.”

Representative Pramila Jayapal of Washington, the chairwoman of the Congressional Progressive Caucus, said Mr. Biden “was very clear” that the two bills were tied together.

He emphasized that he supported the bipartisan infrastructure bill, according to Ms. Jayapal, and said, “If I thought I could do it right now, I would, but we need to get this reconciliation bill.”

“It’s going to be tough,” Ms. Jayapal added. “Like we’re going to have to come down in our number, and we’re going to have to do that work and see what we can get to.”

The House will now leave Washington for two weeks of remote committee work, with the promise of 72 hours’ notice before being called back.

#### Attacks on pharmaceutical profits triggers Mod Dem Backlash – it disrupts unity.

Cohen 9-6 Joshua Cohen 9-6-2021 "Democrats’ Plans To Introduce Prescription Drug Pricing Reform Face Formidable Obstacles" <https://www.forbes.com/sites/joshuacohen/2021/09/06/democrats-plans-to-introduce-prescription-drug-pricing-reform-face-obstacles/?sh=37a269917395> (independent healthcare analyst with over 22 years of experience analyzing healthcare and pharmaceuticals.)//Elmer

There’s considerable uncertainty regarding passage with a simple majority of the 2021 massive budget reconciliation bill. Last week, Senator Joe Manchin called on Democrats to pause pushing forward the budget reconciliation bill. If Manchin winds up saying no to the bill, this would scuttle it as the Democrats can’t afford to lose a single Senator. And, there’s speculation that provisions to reduce prescription drug prices may be watered down and not incorporate international price referencing. Additionally, reduced prices derived through Medicare negotiation may not be able to be applied to those with employer-based coverage. While the progressive wing of the Democratic Party supports drug pricing reform, **several key centrist Democrats** in both the House and Senate appear to be **uncomfortable** **with** particular aspects of the budget reconciliation bill, including a potential deal-breaker, namely the potential **negative impact of drug price controls on the domestic pharmaceutical industry**, as well as long-term patient access to new drugs. A paper released in 2019 by the nonpartisan Congressional Budget Office found that the proposed legislation, H.R. 3, would reduce global revenue for new drugs by 19%, leading to 8 fewer drugs approved in the U.S. between 2020 and 2029, and 30 fewer drugs over the next decade. And, a new report from the CBO reinforces the message that drug pricing legislation under consideration in Congress could lead to fewer new drugs being developed and launched. **Intense lobbying efforts from biopharmaceutical industry groups** **are underway**, **warning of** what they deem are **harms from price controls in** the form of diminished patient **access to new innovations**. The argument, based in part on assumptions and modeling included in the CBO reports, asserts that price controls would dampen investment critical to the biopharmaceutical industry’s pipeline of drugs and biologics. **This** won’t sway most Democrats, but has been a traditional talking point in the Republican Party for decades, and **may convince some centrist Democrats to withdraw backing** of provisions **that** in their eyes **stymie pharmaceutical innovation.** If the budget reconciliation bill would fail to garner a majority, a pared down version of H.R. 3, or perhaps a new bill altogether, with Senator Wyden spearheading the effort, could eventually land in the Senate. But, a similar set of provisos would apply, as majority support in both chambers would be far from a sure thing. In brief, Democrats’ plans at both the executive and legislative branch levels to introduce prescription **drug pricing reform** **encounter challenges** which may prevent impactful modifications from taking place.

#### Big pharma loves data exclusivity – it gives them generics and makes them lots of money

Ragavan 18 Srividhya Ragavan, The Drug Debate: Data Exclusivity is the New Way to Delay Generics, 50 Conn. L. Rev. Online 1 (2018). Available at: <https://scholarship.law.tamu.edu/facscholar/1184> mvp

Nevertheless, most governments award a drug company that undertakes clinical trials, typically the innovator drug company, with a period of “exclusivity” which can range anywhere from three to eight years.15 In the United States, for example, the FDA grants New Chemical Entities a total data exclusivity period of up to five years.16 That is, during the term when data exclusivity prevails, competing drug companies cannot get access to the clinical trial data. Importantly, such access to data is unavailable even when the patent application fails. Taking the example above, even if Company A’s compound is found to be unpatentable for whatever reasons, and hence falls in the public domain, the data from the clinical trial will remain protected, thus indirectly awarding Company A market exclusivity. In stock market parlance, this is a situation where even though the pharmaceutical company has taken a bad risk in the form of a patent application, data exclusivity provides adequate insurance for a few years of market exclusivity. Even though patent protection has failed, which means that a generic version can be manufactured legally, the clinical trial data remains protected, thus indirectly providing Company A market exclusivity on a product which does not enjoy patent protection. Therefore, generic drug applications of the drug will be delayed, not because there is a patent on the drug, but because the clinical trial information is protected by data exclusivity. In this scenario, generic drug companies are not allowed to access the information related to a chemical that is in the public domain. For consumers, Company A’s market exclusivity comes at a financial cost, as well as at the cost of access to the medication. Of course, generic drug companies are free to conduct their own clinical trials, considering that the drug is not a subject of patent protection. However, such duplication of clinical trials will result in subjecting a new set of patients to the same clinical trials and involves additional cost to conduct the trials and delays in manufacturing the generic drug while trials are being conducted. Thus, generic drug companies duplicating a clinical trial already conducted elsewhere will result in duplicative burdens in terms of time and cost. While the cost of the trial will be added to the cost of the drug and passed onto consumers by raising the cost of generic drugs unnecessarily, the delay from duplicating the clinical trial will result in delaying access to the consumers.

#### Sinema specifically jumps ship.

Hancock and Lucas 20 Jay Hancock and Elizabeth Lucas 5-29-2020 "A Senator From Arizona Emerges As A Pharma Favorite" <https://khn.org/news/a-senator-from-arizona-emerges-as-a-pharma-favorite/> (Senior Correspondent, joined KHN in 2012 from The Baltimore Sun, where he wrote a column on business and finance. Previously he covered the State Department and the economics beat for The Sun and health care for The Virginian-Pilot of Norfolk and the Daily Press of Newport News. He has a bachelor’s degree from Colgate University and a master’s in journalism from Northwestern University.)//Elmer

Sen. Kyrsten **Sinema formed** a **congressional caucus to raise** “**awareness of the benefits of personalized medicine**” in February. Soon after that, employees of **pharmaceutical companies** **donated** $35,000 to her campaign committee. Amgen gave $5,000. So did Genentech and Merck. Sanofi, Pfizer and Eli Lilly all gave $2,500. Each of those companies has invested heavily in personalized medicine, which promises individually tailored drugs that can cost a patient hundreds of thousands of dollars. **Sinema** is a first-term Democrat from Arizona but has nonetheless **emerged as a pharma favorite in Congress** as the industry steers through a new political and economic landscape formed by the coronavirus. She is a **leading recipient of pharma campaign cash** even though she’s not up for reelection until 2024 and lacks major committee or subcommittee leadership posts. For the 2019-20 election cycle through March, political action committees run by employees of drug companies and their trade groups gave her $98,500 in campaign funds, Kaiser Health News’ Pharma Cash to Congress database shows. That stands out in a Congress in which a third of the members got no pharma cash for the period and half of those who did got $10,000 or less. The contributions give companies a chance to cultivate Sinema as she restocks from a brutal 2018 election victory that cost nearly $25 million. Altogether, pharma PACs have so far given $9.2 million to congressional campaign chests in this cycle, compared with $9.4 million at this point in the 2017-18 period, a sustained surge as the industry has responded to complaints about soaring prices. Sinema’s pharma haul was twice that of Sen. Susan Collins of Maine, considered one of the most vulnerable Republicans in November, and approached that of fellow Democrat Steny Hoyer, the powerful House majority leader from Maryland. It all adds up to **a bet by drug companies that** the 43-year-old **Sinema**, first elected to the Senate in 2018, **will** gain influence in coming years and **serve as an industry ally** in a party that also includes many lawmakers harshly critical of high drug prices and the companies that set them.

#### Pharma backlash turns case – waters down plan too much

Huetteman 19 [Emmarie Huetteman, former NYT Congressional correspondent with an MA in public affairs reporting from Northwestern University’s Medill School, 2-26-2019, "Senators Who Led Pharma-Friendly Patent Reform Also Prime Targets For Pharma Cash," Kaiser Health News, https://khn.org/news/senators-who-led-pharma-friendly-patent-reform-also-prime-targets-for-pharma-cash/]

Early last year, as lawmakers vowed to curb rising drug prices, Sen. Thom Tillis was named chairman of the Senate Judiciary Committee’s subcommittee on intellectual property rights, a committee that had not met since 2007. As the new gatekeeper for laws and oversight of the nation’s patent system, the North Carolina Republican signaled he was determined to make it easier for American businesses to benefit from it — a welcome message to the drugmakers who already leverage patents to block competitors and keep prices high. Less than three weeks after introducing a bill that would make it harder for generic drugmakers to compete with patent-holding drugmakers, Tillis opened the subcommittee’s first meeting on Feb. 26, 2019, with his own vow. “From the United States Patent and Trademark Office to the State Department’s Office of Intellectual Property Enforcement, no department or bureau is too big or too small for this subcommittee to take interest,” he said. “And we will.” In the months that followed, tens of thousands of dollars flowed from pharmaceutical companies toward his campaign, as well as to the campaigns of other subcommittee members — including some who promised to stop drugmakers from playing money-making games with the patent system, like Sen. John Cornyn (R-Texas). Tillis received more than $156,000 from political action committees tied to drug manufacturers in 2019, more than any other member of Congress, a new analysis of KHN’s Pharma Cash to Congress database shows. Sen. Chris Coons (D-Del.), the top Democrat on the subcommittee who worked side by side with Tillis, received more than $124,000 in drugmaker contributions last year, making him the No. 3 recipient in Congress. No. 2 was Sen. Mitch McConnell (R-Ky.), who took in about $139,000. As the Senate majority leader, he controls what legislation gets voted on by the Senate. Neither Tillis nor Coons sits on the Senate committees that introduced legislation last year to lower drug prices through methods like capping price increases to the rate of inflation. Of the four senators who drafted those bills, none received more than $76,000 from drug manufacturers in 2019. Tillis and Coons spent much of last year working on significant legislation that would expand the range of items eligible to be patented — a change that some experts say would make it easier for companies developing medical tests and treatments to own things that aren’t traditionally inventions, like genetic code. They have not yet officially introduced a bill. As obscure as patents might seem in an era of public outrage over drug prices, the fact that drugmakers gave most to the lawmakers working to change the patent system belies how important securing the exclusive right to market a drug, and keep competitors at bay, is to their bottom line. “Pharma will fight to the death to preserve patent rights,” said Robin Feldman, a professor at the UC Hastings College of the Law in San Francisco who is an expert in intellectual property rights and drug pricing. “Strong patent rights are central to the games drug companies play to extend their monopolies and keep prices high.” Campaign contributions, closely tracked by the Federal Election Commission, are among the few windows into how much money flows from the political groups of drugmakers and other companies to the lawmakers and their campaigns. Private companies generally give money to members of Congress to encourage them to listen to the companies, typically through lobbyists, whose activities are difficult to track. They may also communicate through so-called dark money groups, which are not required to report who gives them money. Over the past 10 years, the pharmaceutical industry has spent about $233 million per year on lobbying, according to a new study published in JAMA Internal Medicine. That is more than any other industry, including the oil and gas industry. Why Patents Matter Developing and testing a new drug, and gaining approval from the Food and Drug Administration, can take years and cost hundreds of millions of dollars. Drugmakers are generally granted a six- or seven-year exclusivity period to recoup their investments. But drugmakers have found ways to extend that period of exclusivity, sometimes accumulating hundreds of patents on the same drug and blocking competition for decades. One method is to patent many inventions beyond a drug’s active ingredient, such as patenting the injection device that administers the drug. Keeping that arrangement intact, or expanding what can be patented, is where lawmakers come in. Lawmakers Dig In Tillis’ home state of North Carolina is also home to three major research universities and, not coincidentally, multiple drugmakers’ headquarters, factories and other facilities. From his swearing-in in 2015 to the end of 2018, Tillis received about $160,000 from drugmakers based there or beyond. He almost matched that four-year total in 2019 alone, in the midst of a difficult reelection campaign to be decided this fall. He has raised nearly $10 million for his campaign, with lobbyists among his biggest contributors, according to OpenSecrets. Daniel Keylin, a spokesperson for Tillis, said Tillis and Coons, the subcommittee’s top Democrat, are working to overhaul the country’s “antiquated intellectual property laws.” Keylin said the bipartisan effort protects the development and access to affordable, lifesaving medication for patients,” adding: “No contribution has any impact on how [Tillis] votes or legislates.” Tillis signaled his openness to the drug industry early on. The day before being named chairman, he reintroduced a bill that would limit the options generic drugmakers have to challenge allegedly invalid patents, effectively helping brand-name drugmakers protect their monopolies. Former Sen. Orrin Hatch (R-Utah), whose warm relationship with the drug industry was well-known, had introduced the legislation, the Hatch-Waxman Integrity Act, just days before his retirement in 2018. At his subcommittee’s first hearing, Tillis said the members would rely on testimony from private businesses to guide them. He promised to hold hearings on patent eligibility standards and “reforms to the Patent Trial and Appeal Board.” In practice, the Hatch-Waxman Integrity Act would require generics makers challenging another drugmaker’s patent to either take their claim to the Patent Trial and Appeal Board, which acts as a sort of cheaper, faster quality check to catch bad patents, or file a lawsuit. A study released last year found that, since Congress created the Patent Trial and Appeal Board in 2011, it has narrowed or overturned about 51% of the drugmaker patents that generics makers have challenged. Feldman said the drug industry “went berserk” over the number of patents the board changed and has been eager to limit use of the board as much as possible. Patent reviewers are often stretched thin and sometimes make mistakes, said Aaron Kesselheim, a Harvard Medical School professor who is an expert in intellectual property rights and drug development. Limiting the ways to challenge patents, as Tillis’ bill would, does not strengthen the patent system, he said. “You want overlapping oversight for a system that is as important and fundamental as this system is,” he said. As promised, Tillis and Coons also spent much of the year working on so-called Section 101 reform regarding what is eligible to be patented — “a very major change” that “would overturn more than a century of Supreme Court law,” Feldman said. Sean Coit, Coons’ spokesperson, said lowering drug prices is one of the senator’s top priorities and pointed to Coon’s support for legislation the pharmaceutical industry opposes. “One of the reasons Senator Coons is leading efforts in Congress to fix our broken patent system is so that life-saving medicines can actually be developed and produced at affordable prices for every American,” Coit wrote in an email, adding that “his work on Section 101 reform has brought together advocates from across the spectrum, including academics and health experts.” In August, when much of Capitol Hill had emptied for summer recess, Tillis and Coons held closed-door meetings to preview their legislation to stakeholders, including the Pharmaceutical Research and Manufacturers of America, or PhRMA, the brand-name drug industry’s lobbying group. “We regularly engage with members of Congress in both parties to advance practical policy solutions that will lower medicine costs for patients,” said Holly Campbell, a PhRMA spokesperson. Neither proposal has received a public hearing. In the 30 days before Tillis and Coons were named leaders of the revived subcommittee, drug manufacturers gave them $21,000 from their political action committees. In the 30 days following that first hearing, Tillis and Coons received $60,000. Among their donors were PhRMA; the Biotechnology Innovation Organization, the biotech lobbying group; and five of the seven drugmakers whose executives — as Tillis laid out a pharma-friendly agenda for his new subcommittee — were getting chewed out by senators in a different hearing room over patent abuse. Cornyn Goes After Patent Abuse Richard Gonzalez, chief executive of AbbVie Inc., the company known for its top-selling drug, Humira, had spent the morning sitting stone-faced before the Senate Finance Committee as, one after another, senators excoriated him and six other executives of brand-name drug manufacturers over how they price their products. Cornyn brought up AbbVie’s more than 130 patents on Humira. Hadn’t the company blocked its competition? Cornyn asked Gonzalez, who carefully explained how AbbVie’s lawsuit against a generics competitor and subsequent licensing deal was not what he would describe as anti-competitive behavior. “I realize it may not be popular,” Gonzalez said. “But I think it is a reasonable balance.” A minute later, Cornyn turned to Sen. Chuck Grassley (R-Iowa), who, like Cornyn, was also a member of the revived intellectual property subcommittee. This is worth looking into with “our Judiciary Committee authorities as well,” Cornyn said, effectively threatening legislation on patent abuse. The next day, Mylan, one of the largest producers of generic drugs, gave Cornyn $5,000, FEC records show. The company had not donated to Cornyn in years. By midsummer, every drug company that sent an executive to that hearing had given money to Cornyn, including AbbVie. Cornyn, who faces perhaps the most difficult reelection fight of his career this fall, ranks No. 6 among members of Congress in drugmaker PAC contributions last year, KHN’s analysis shows. He received about $104,000. Cornyn has received about $708,500 from drugmakers since 2007, KHN’s database shows. According to OpenSecrets, he has raised more than $17 million for this year’s reelection campaign. Cornyn’s office declined to comment. On May 9, Cornyn and Sen. Richard Blumenthal (D-Conn.) introduced the Affordable Prescriptions for Patients Act, which proposed to define two tactics used by drug companies to make it easier for the Federal Trade Commission to prosecute them: “product-hopping,” when drugmakers withdraw older versions of their drugs from the market to push patients toward newer, more expensive ones, and “patent-thicketing,” when drugmakers amass a series of patents to drag out their exclusivity and slow rival generics makers, who must challenge those patents to enter the market once the initial exclusivity ends. PhRMA opposed the bill. The next day, it gave Cornyn $1,000. Cornyn and Blumenthal’s bill would have been “very tough on the techniques that pharmaceutical companies use to extend patent protections and to keep prices high,” Feldman said. “The pharmaceutical industry lobbied tooth and nail against it,” she said. “And when the bill finally came out of committee, the strongest provisions — the patent-thicketing provisions — had been stripped.” In the months after the bill cleared committee and waited to be taken up by the Senate, Cornyn blamed Senate Democrats for blocking the bill while trying to secure votes on legislation with more direct controls on drug prices. The Senate has not voted on the bill.

#### Infrastructure reform solves Existential Climate Change – it results in spill-over.

USA Today 7-20 7-20-2021 "Climate change is at 'code red' status for the planet, and inaction is no longer an option" <https://www.usatoday.com/story/opinion/todaysdebate/2021/07/20/climate-change-biden-infrastructure-bill-good-start/7877118002/> //Elmer

**Not long ago**, **climate change** for many Americans **was** like **a distant bell**. News of starving polar bears or melting glaciers was tragic and disturbing, but other worldly. Not any more. **Top climate scientists** from around the world **warned of a "code red for humanity**" in a report issued Monday that says severe, human-caused global warming is become unassailable. Proof of the findings by the United Nations' Intergovernmental Panel on Climate Change is a now a factor of daily life. Due to **intense heat waves and drought**, 107 wildfires – including the largest ever in California – are now raging across the West, consuming 2.3 million acres. Earlier this summer, hundreds of people died in unprecedented triple-digit heat in Oregon, Washington and western Canada, when a "heat dome" of enormous proportions settled over the region for days. Some victims brought by stretcher into crowded hospital wards had body temperatures so high, their nervous systems had shut down. People collapsed trying to make their way to cooling shelters. Heat-trapping greenhouse gases Scientists say the event was almost **certainly made worse and more intransigent by human-caused climate change**. They attribute it to a combination of warming Arctic temperatures and a growing accumulation of heat-trapping greenhouse gases caused by the burning of fossil fuels. The **consequences of** what mankind has done to the atmo**sphere are now inescapable**. Periods of **extreme heat** are projected to **double** in the lower 48 states by 2100. **Heat deaths** are far **outpacing every other form of weather killer** in a 30-year average. A **persistent megadrought** in America's West continues to create tinder-dry conditions that augur another devastating wildfire season. And scientists say **warming oceans** are **fueling** ever **more powerful storms**, evidenced by Elsa and the early arrival of hurricane season this year. Increasingly severe weather is causing an estimated $100 billion in damage to the United States every year. "It is honestly surreal to see your projections manifesting themselves in real time, with all the suffering that accompanies them. It is heartbreaking," said climate scientist Katharine Hayhoe. **Rising seas** from global warming Investigators are still trying to determine what led to the collapse of a Miami-area condominium that left more than 100 dead or missing. But one concerning factor is the corrosive effect on reinforced steel structures of encroaching saltwater, made worse in Florida by a foot of rising seas from global warming since the 1900s. The clock is ticking for planet Earth. While the U.N. report concludes some level of severe climate change is now unavoidable, there is still a window of time when far more catastrophic events can be mitigated. But mankind must act soon to curb the release of heat-trapping gases. Global **temperature** has **risen** nearly **2 degrees** Fahrenheit since the pre-industrial era of the late 19th century. Scientists warn that in a decade, it could surpass a **2.7**-degree increase. That's **enough** warming **to cause catastrophic climate changes**. After a brief decline in global greenhouse gas emissions during the pandemic, pollution is on the rise. Years that could have been devoted to addressing the crisis were wasted during a feckless period of inaction by the Trump administration. Congress must act Joe Biden won the presidency promising broad new policies to cut America's greenhouse gas emissions. But Congress needs to act on those ideas this year. Democrats cannot risk losing narrow control of one or both chambers of Congress in the 2022 elections to a Republican Party too long resistant to meaningful action on the climate. So what's at issue? A trillion dollar **infrastructure bill** negotiated between Biden and a group of centrist senators (including 10 Republicans) is a start. In addition to repairing bridges, roads and rails, it would **improve access** by the nation's power infrastructure **to renewable energy sources,** **cap millions of abandoned oil and gas wells spewing greenhouse gases**, **and harden structures against climate change**. It also **offers tax credits for** the **purchase of electric vehicles** and funds the construction of charging stations. (**The nation's largest source of climate pollution are gas-powered vehicles**.) Senate approval could come very soon. Much **more is needed** if the nation is going to reach Biden's necessary goal of cutting U.S. climate pollution in half from 2005 levels by 2030. His ideas worth considering include a federal clean electricity standard for utilities, federal investments and tax credits to promote renewable energy, and tens of billions of dollars in clean energy research and development, including into ways of extracting greenhouse gases from the skies. Another idea worth considering is a fully refundable carbon tax. **The vehicle** for these additional proposals **would be a second infrastructure bill**. And if Republicans balk at the cost of such vital investment, Biden is rightly proposing to pass this package through a process known as budget reconciliation, which allows bills to clear the Senate with a simple majority vote. These are drastic legislative steps. But drastic times call for them. And when Biden attends a U.N. climate conference in November, he can use American progress on climate change as a mean of persuading others to follow our lead. Further delay is not an option.

### 4

#### CP: The member nations of the World Trade Organization should enter into a prior and binding consultation with the World Health Organization over whether to [plan]. Member nations should support the proposal and adopt the results of consultation.

#### WHO says yes – it supports increasing the availability of generics and limiting TRIPS

Hoen 03 [(Ellen T., researcher at the University Medical Centre at the University of Groningen, The Netherlands who has been listed as one of the 50 most influential people in intellectual property by the journal Managing Intellectual Property, PhD from the University of Groningen) “TRIPS, Pharmaceutical Patents and Access to Essential Medicines: Seattle, Doha and Beyond,” Chicago Journal of International Law, 2003] JL

However, subsequent resolutions of the World Health Assembly have strengthened the WHO’s mandate in the trade arena. In 2001, the World Health Assembly adopted two resolutions in particular that had a bearing on the debate over TRIPS [30]. The resolutions addressed:

– the need to strengthen policies to increase the availability of generic drugs;

– and the need to evaluate the impact of TRIPS on access to drugs, local manufacturing capacity, and the development of new drugs

#### Consultation boosts strong leadership, authority, and cohesion among member states – key to WHO legitimacy

Gostin et al 15 [(Lawrence O., Linda D. & Timothy J. O’Neill Professor of Global Health Law at Georgetown University, Faculty Director of the O’Neill Institute for National & Global Health Law, Director of the World Health Organization Collaborating Center on Public Health Law & Human Rights, JD from Duke University) “The Normative Authority of the World Health Organization,” Georgetown University Law Center, 5/2/2015] JL

Members want the WHO to exert leadership, harmonize disparate activities, and set priorities. Yet they resist intrusions into their sovereignty, and want to exert control. In other words, ‘everyone desires coordination, but no one wants to be coordinated.’ States often ardently defend their geostrategic interests. As the Indonesian virus-sharing episode illustrates, the WHO is pulled between power blocs, with North America and Europe (the primary funders) on one side and emerging economies such as Brazil, China, and India on the other. An inherent tension exists between richer ‘net contributor’ states and poorer ‘net recipient’ states, with the former seeking smaller WHO budgets and the latter larger budgets.

Overall, national politics drive self-interest, with states resisting externally imposed obligations for funding and action. Some political leaders express antipathy to, even distrust of, UN institutions, viewing them as bureaucratic and inefficient. In this political environment, it is unsurprising that members fail to act as shareholders. Ebola placed into stark relief the failure of the international community to increase capacities as required by the IHR. Guinea, Liberia and Sierra Leone had some of the world's weakest health systems, with little capacity to either monitor or respond to the Ebola epidemic.20 This caused enormous suffering in West Africa and placed countries throughout the region e and the world e at risk. Member states should recognize that the health of their citizens depends on strengthening others' capacity. The WHO has a central role in creating systems to facilitate and encourage such cooperation.

The WHO cannot succeed unless members act as shareholders, foregoing a measure of sovereignty for the global common good. It is in all states' interests to have a strong global health leader, safeguarding health security, building health systems, and reducing health inequalities. But that will not happen unless members fund the Organization generously, grant it authority and flexibility, and hold it accountable.

#### WHO is critical to disease prevention – it is the only international institution that can disperse information, standardize global public health, and facilitate public-private cooperation

Murtugudde 20 [(Raghu, professor of atmospheric and oceanic science at the University of Maryland, PhD in mechanical engineering from Columbia University) “Why We Need the World Health Organization Now More Than Ever,” Science, 4/19/2020] JL

WHO continues to play an indispensable role during the current COVID-19 outbreak itself. In November 2018, the US National Academies of Sciences, Engineering and Medicine organised a workshop to explore lessons from past influenza outbreaks and so develop recommendations for pandemic preparedness for 2030. The salient findings serve well to underscore the critical role of WHO for humankind.

The world’s influenza burden has only increased in the last two decades, a period in which there have also been 30 new zoonotic diseases. A warming world with increasing humidity, lost habitats and industrial livestock/poultry farming has many opportunities for pathogens to move from animals and birds to humans. Increasing global connectivity simply catalyses this process, as much as it catalyses economic growth.

WHO coordinates health research, clinical trials, drug safety, vaccine development, surveillance, virus sharing, etc. The importance of WHO’s work on immunisation across the globe, especially with HIV, can hardly be overstated. It has a rich track record of collaborating with private-sector organisations to advance research and development of health solutions and improving their access in the global south.

It discharges its duties while maintaining a dynamic equilibrium between such diverse and powerful forces as national securities, economic interests, human rights and ethics. COVID-19 has highlighted how political calculations can hamper data-sharing and mitigation efforts within and across national borders, and WHO often simply becomes a convenient political scapegoat in such situations.

International Health Regulations, a 2005 agreement between 196 countries to work together for global health security, focuses on detection, assessment and reporting of public health events, and also includes non-pharmaceutical interventions such as travel and trade restrictions. WHO coordinates and helps build capacity to implement IHR.

#### WHO diplomacy solves great power conflict

Murphy 20 [(Chris, U.S. senator from Connecticut serving on the U.S. Senate Foreign Relations Committee) “The Answer is to Empower, Not Attack, the World Health Organization,” War on the Rocks, 4/21/2020] JL

The World Health Organization is critical to stopping disease outbreaks and strengthening public health systems in developing countries, where COVID-19 is starting to appear. Yemen announced its first infection earlier this month, and other countries in Africa, Asia and the Middle East are at severe risk. Millions of refugees rely on the World Health Organization for their health care, and millions of children rely on the WHO and UNICEF to access vaccines.

The World Health Organization is not perfect, but its team of doctors and public health experts have had major successes. Their most impressive claim to fame is the eradication of smallpox – no small feat. More recently, the World Health Organization has led an effort to rid the world of two of the three strains of polio, and they are close to completing the trifecta.

These investments are not just the right thing to do; they benefit the United States. Improving health outcomes abroad provides greater political and economic stability, increasing demand for U.S. exports. And, as we are all learning now, it is in America’s national security interest for countries to effectively detect and respond to potential pandemics before they reach our shores.

As the United States looks to develop a new global system of pandemic prevention, there is absolutely no way to do that job without the World Health Organization. Uniquely, it puts traditional adversaries – like Russia and the United States, India and Pakistan, or Iran and Saudi Arabia – all around the same big table to take on global health challenges. It has relationships with the public health leaders of every nation, decades of experience in tackling viruses and diseases, and the ability to bring countries together to tackle big projects. This ability to bridge divides and work across borders cannot be torn down and recreated – not in today’s environment of major power competition – and so there is simply no way to build an effective international anti-pandemic infrastructure without the World Health Organization at the center.

#### Ought means should

Merriam Webster n.d. – Merriam Webster’s Learner’s Dictionary, “ought”, <http://www.learnersdictionary.com/definition/ought>  
ought /ˈɑːt/ verb  
Learner's definition of OUGHT [modal verb] 1 ◊ Ought is almost always followed by to and the infinitive form of a verb. The phrase ought to has the same meaning as should and is used in the same ways, but it is less common and somewhat more formal. The negative forms ought not and oughtn't are often used without a following to. — used to indicate what is expected They ought to be here by now. You ought to be able to read this book. There ought to be a gas station on the way. 2 — used to say or suggest what should be done You ought to get some rest. That leak ought to be fixed. You ought to do your homework.

#### Should means must and is immediate

Summers 94 (Justice – Oklahoma Supreme Court, “Kelsey v. Dollarsaver Food Warehouse of Durant”, 1994 OK 123, 11-8, http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn13)

¶4 The legal question to be resolved by the court is whether the word "should"[13](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn13) in the May 18 order connotes futurity or may be deemed a ruling in praesenti.[14](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn14) The answer to this query is not to be divined from rules of grammar;[15](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn15) it must be governed by the age-old practice culture of legal professionals and its immemorial language usage. To determine if the omission (from the critical May 18 entry) of the turgid phrase, "and the same hereby is", (1) makes it an in futuro ruling - i.e., an expression of what the judge will or would do at a later stage - or (2) constitutes an in in praesenti resolution of a disputed law issue, the trial judge's intent must be garnered from the four corners of the entire record.[16](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn16) [CONTINUES – TO FOOTNOTE] [13](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker2fn13) "*Should*" not only is used as a "present indicative" synonymous with *ought* but also is the past tense of "shall" with various shades of meaning not always easy to analyze. See 57 C.J. Shall § 9, Judgments § 121 (1932). O. JESPERSEN, GROWTH AND STRUCTURE OF THE ENGLISH LANGUAGE (1984); St. Louis & S.F.R. Co. v. Brown, 45 Okl. 143, 144 P. 1075, 1080-81 (1914). For a more detailed explanation, see the Partridge quotation infra note 15. Certain contexts mandate a construction of the term "should" as more than merely indicating preference or desirability. Brown, supra at 1080-81 (jury instructions stating that jurors "should" reduce the amount of damages in proportion to the amount of contributory negligence of the plaintiff was held to imply an *obligation* *and to be more than advisory*); Carrigan v. California Horse Racing Board, 60 Wash. App. 79, [802 P.2d 813](http://www.oscn.net/applications/oscn/deliverdocument.asp?box1=802&box2=P.2D&box3=813) (1990) (one of the Rules of Appellate Procedure requiring that a party "should devote a section of the brief to the request for the fee or expenses" was interpreted to mean that a party is under an *obligation* to include the requested segment); State v. Rack, 318 S.W.2d 211, 215 (Mo. 1958) ("should" would mean the same as "shall" or "must" when used in an instruction to the jury which tells the triers they "should disregard false testimony"). [14](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker2fn14) In praesenti means literally "at the present time." BLACK'S LAW DICTIONARY 792 (6th Ed. 1990). In legal parlance the phrase denotes that which in law is presently or immediately effective, as opposed to something that will or would become effective in the future *[in futurol*]. See Van Wyck v. Knevals, [106 U.S. 360](http://www.oscn.net/applications/oscn/deliverdocument.asp?box1=106&box2=U.S.&box3=360), 365, 1 S.Ct. 336, 337, 27 L.Ed. 201 (1882).

#### 1AR theory is skewed towards the aff – a) the 2NR must cover substance and over-cover theory, since they get the collapse and persuasive spin advantage of the 3min 2AR, b) their responses to my counter interp will be new, which means 1AR theory necessitates intervention. Implications – a) reject 1AR theory since it can’t be a legitimate check for abuse – answers infinite abuse bc their solution to that abuse is illegitimate, b) drop the arg to minimize the chance the round is decided unfairly

### 5

#### CP: Member nations of the WTO, except the United States, should legalize cannabis. The 50 states, District of Columbia, and all relevant territories of the United States should legalize cannabis.

* Squo proves state legalization is normal means for the US

#### Solvency advocate and solvency is their 1AC Bier evidence – this counterplan definitively solves their ONLY internal link to cartels. We’ve inserted lines from 1AC Bier that they highlighted that are all explicitly in the context of legalization and put the “legalization” stuff in red.

#### It also solves their demand-side stuff from 1AC Munoz – Munoz isolates an issue of demand for illegal drugs, but 1AC Bier says legalization increases legal sales and a drop in the value of illegal street sales – that proves legalization causes a shift in demand away from illegal cartel drugs – lines in the doc prove

1AC Munoz

demand for illegal drugs fuels the drug trade.”44 She also stated, “We know very well that the drug traffickers are motivated by the demand for illegal drugs in the United States and that they are armed by the transport of weapons from the United States.”45 Clinton’s comments appear to be the first comments made by a public official of her capacity that admitted that the United States is largely responsible for the violence in Mexico. It is clear from the abovementioned statistics and the statements made by Hillary Clinton that the enormous demand for illegal drugs in the United States fuels Mexican drug cartels.

1AC Bier

Full legalization of marijuana in several states dramatically increased the amount of marijuana sales that occur legally in the United States. A relatively small amount of legal marijuana sales had occurred prior to 2014 under the auspices of legal medicinal use, and in 2013 and 2014, four states — Massachusetts, New Hampshire, Illinois, and Maryland — legalized medical marijuana. But these states account for just 4 percent of medical marijuana users nationwide, so it is unlikely that they changed the trends substantially.53 Full legalization increased the amount of legal sales from about $1.5 billion to $9.7 billion from 2013 to 2017.54 This increase coincided with a 66 percent drop in the street value of all DHS marijuana seizures — a decline from $2.3 billion in 2013 to $765 million in 2017 (Figure 3).55

#### Insertions from 1AC Bier:

Legalized markets directly affect the illegal markets for marijuana. Not only is it easier to obtain domestically produced cannabis today, legal marijuana is also more uniform and of much higher quality than the illegal Mexican product.[14](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-014) One study for the Colorado Department of Revenue found that a “comparison of inventory tracking data and consumption estimates signals that Colorado’s preexisting illicit marijuana market for residents and visitors has been fully absorbed into the regulated market.”[15](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-015) Marijuana legally grown in states where it is legalized often supplies consumers in states where marijuana is still outlawed. In 2014, 44 percent of marijuana sales in Denver were to residents of other states.[16](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-016) The Colorado study found that “legal in‐​state purchases that are consumed out of state” are likely occurring.[17](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-017) This places further downward pressure on prices and has prompted lawsuits by prohibitionist states against Colorado.[18](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-018)

A prelegalization study estimated that after legalization, it would likely be more expensive to smuggle marijuana from Mexico to every state in the continental United States except Texas than to have it sent from Colorado and Washington.[19](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-019) This competition appears to be affecting Mexican marijuana prices. Mexican growers have reported that marijuana prices in Mexico have recently fallen between 50 and 70 percent after U.S. legalizations.[20](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-020) According to the DEA, overall domestic American production has grown because of the new state‐​approved marijuana markets.[21](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-021) Customs and Border Protection (CBP) itself has hypothesized that one explanation for the decline could be that “legalization in the United States [h]as reduced demand” for Mexican marijuana.[22](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-022) The fact that some cartels have taken to using drug tunnels to smuggle migrants — who are less profitable and more readily identifiable — is further evidence of the effects of legalization.[23](https://www.cato.org/policy-analysis/how-legalizing-marijuana-securing-border-border-wall-drug-smuggling-lessons#endnote-023)

In addition, CBP has nearly 1,500 canine teams used to detect drugs.34 The agency has deployed an extensive system of surveillance equipment between ports of entry, including drones and towers, and adopted new scanners and other technology at ports of entry.35 Despite these purchases, the DHS inspector general concluded in 2016 that the department “could not ensure its drug interdiction efforts met required national drug control outcomes nor accurately assess the impact of the approximately $4.2 billion it spends annually on drug control activities.”36 Similarly, none of its spending had any noticeable effect on the amount of drug smuggling prior to the legalization of marijuana in several states in 2014.

State‐​level marijuana legalization has undercut demand for illegal Mexican marijuana, which in turn has decreased the amount of drug smuggling into the United States across the southwest border. Because it is so much more difficult to conceal than other drugs, marijuana prior to legalization was, according to the DEA, “predominately smuggled between, instead of through, the ports of entry.”46 For this reason, the most important agency for marijuana interdiction is the Border Patrol, which patrols the areas between ports of entry.

Full legalization of marijuana in several states dramatically increased the amount of marijuana sales that occur legally in the United States. A relatively small amount of legal marijuana sales had occurred prior to 2014 under the auspices of legal medicinal use, and in 2013 and 2014, four states — Massachusetts, New Hampshire, Illinois, and Maryland — legalized medical marijuana. But these states account for just 4 percent of medical marijuana users nationwide, so it is unlikely that they changed the trends substantially.53 Full legalization increased the amount of legal sales from about $1.5 billion to $9.7 billion from 2013 to 2017.54 This increase coincided with a 66 percent drop in the street value of all DHS marijuana seizures — a decline from $2.3 billion in 2013 to $765 million in 2017 (Figure 3).55

The street values of a pound of marijuana estimated by CBP also highlight the increased availability of domestic marijuana. From 2012 to 2017, the average street value of a pound of marijuana seized by CBP declined by 40 percent, dropping from $794 per pound in 2012 to just $474 per pound in 2017.56 Legal marijuana is competing with the drug cartels and lowering prices, which undercuts the financial incentive to smuggle across the border.

Figure 5 presents the street value of drug seizures made by both Border Patrol agents between ports of entry and by CBP officers at ports of entry, again showing the average amount seized per agent. By value, marijuana has fallen from about 57 percent of seizures to just 18 percent from FY 2013 to FY 2018. The absolute value of marijuana seizures at and between ports of entry has declined 79 percent from $1.8 billion in FY 2013 to be on pace for just $380 million in FY 2018. Overall, the total value of all drug seizures per agent (or officer) has declined by 34 percent from FY 2013 to FY 2018. Marijuana legalization appears to have cut overall drug smuggling.

### 6

#### Biotech industry strong now – new innovation and R&D coming

Cancherini et al. 4/30 [Laura, Engagement Manager @ McKinsey & Company, Joseph Lydon, Associate Partner @ McKinsey & Company, Jorge Santos Da Silva, Senior Partner at McKinsey & Company, and Alexandra Zemp, Partner at McKinsey & Company] “What’s ahead for biotech: Another wave or low tide?“, McKinsey & Company, 4-30-2021, <https://www.mckinsey.com/industries/pharmaceuticals-and-medical-products/our-insights/whats-ahead-for-biotech-another-wave-or-low-tide> //ajs

As the pandemic spread across the globe in early 2020, biotech leaders were initially pessimistic, reassessing their cash position and financing constraints. When McKinsey and BioCentury interviewed representatives from 106 biotech companies in May 2020,4 half of those interviewed were expecting delays in financing, and about 80 percent were tight on cash for the next two years and considering trade-offs such as deferring IPOs and acquisitions. Executives feared that valuations would decline because of lower revenue projections and concerns about clinical-trial delays, salesforce-effectiveness gaps, and other operational issues.

Belying this downbeat mood, biotech has in fact had one of its best years so far. By January 2021, venture capitalists had invested some 60 percent more than they had in January 2020, with more than $3 billion invested worldwide in January 2021 alone.5 IPO activity grew strongly: there were 19 more closures than in the same period in 2020, with an average of $150 million per raise, 17 percent more than in 2020. Other deals have also had a bumper start to 2021, with the average deal size reaching more than $500 million, up by more than 66 percent on the 2020 average (Exhibit 3).6

What about SPACs?

The analysis above does not include special-purpose acquisition companies (SPACs), which have recently become significant in IPOs in several industries. Some biotech investors we interviewed believe that SPACs represent a route to an IPO. How SPACs will evolve remains to be seen, but biotechs may be part of their story.

Fundamentals continue strong

When we asked executives and investors why the biotech sector had stayed so resilient during the worst economic crisis in decades, they cited innovation as the main reason. The number of assets transitioning to clinical phases is still rising, and further waves of innovation are on the horizon

, driven by the convergence of biological and technological advances.

In the present day, many biotechs, along with the wider pharmaceutical industry, are taking steps to address the COVID-19 pandemic. Together, biotechs and pharma companies have [more than 250 vaccine candidates in their pipelines](https://www.mckinsey.com/industries/pharmaceuticals-and-medical-products/our-insights/on-pins-and-needles-will-covid-19-vaccines-save-the-world), along with a similar number of therapeutics. What’s more, the crisis has shone a spotlight on pharma as the public seeks to understand the roadblocks involved in delivering a vaccine at speed and the measures needed to maintain safety and efficacy standards. To that extent, the world has been living through a time of mass education in science research and development.

Biotech has also benefited from its innate financial resilience. Healthcare as a whole is less dependent on economic cycles than most other industries. Biotech is an innovator, actively identifying and addressing patients’ unmet needs. In addition, biotechs’ top-line revenues have been less affected by lockdowns than is the case in most other industries.

Another factor acting in the sector’s favor is that larger pharmaceutical companies still rely on biotechs as a source of innovation. With the [top dozen pharma companies](https://www.mckinsey.com/business-functions/m-and-a/our-insights/a-new-prescription-for-m-and-a-in-pharma) having more than $170 billion in excess reserves that could be available for spending on M&A, the prospects for further financing and deal making look promising.

For these and other reasons, many investors regard biotech as a safe haven. One interviewee felt it had benefited from a halo effect during the pandemic.

More innovation on the horizon

The investors and executives we interviewed agreed that biotech innovation continues to increase in quality and quantity despite the macroeconomic environment. Evidence can be seen in the accelerating pace of assets transitioning across the development lifecycle. When we tracked the number of assets transitioning to Phase I, Phase II, and Phase III clinical trials, we found that Phase I and Phase II assets have transitioned 50 percent faster since 2018 than between 2013 and 2018, whereas Phase III assets have maintained much the same pace. There could be many reasons for this, but it is worth noting that biotechs with Phase I and Phase II assets as their lead assets have accounted for more than half of biotech IPOs. Having an early IPO gives a biotech earlier access to capital and leaves it with more scope to concentrate on science.

Looking forward, the combination of advances in biological science and accelerating developments in technology and artificial intelligence has the potential to take innovation to a new level. A [recent report](https://www.mckinsey.com/industries/pharmaceuticals-and-medical-products/our-insights/the-bio-revolution-innovations-transforming-economies-societies-and-our-lives) from the McKinsey Global Institute analyzed the profound economic and social impact of biological innovation and found that biomolecules, biosystems, biomachines, and biocomputing could collectively produce up to 60 percent of the physical inputs to the global economy. The applications of this “Bio Revolution” range from agriculture (such as the production of nonanimal meat) to energy and materials, and from consumer goods (such as multi-omics tailored diets) to a multitude of health applications.

#### Strong IPR is key to innovation – empirics and FDI

Ezell and Cory 19 [Stephen Ezell, BS from School of Foreign Service at Georgetown, VP of global innovation policy at Information Technology and Innovation Foundation. Nigel Cory, MA in public policy from Georgetown, BA in international business from Griffith University, Associate Director of trade policy at Information Technology and Innovation Foundation, former researcher in the Southeast Asia Program at the Center for Strategic and International Studies.] “The Way Forward for Intellectual Property Internationally,” Information Technology and Innovation Foundation, April 25, 2019, <https://itif.org/publications/2019/04/25/way-forward-intellectual-property-internationally> TG

* FDI – foreign direct investment

IPRs Strengthen Innovation

Intellectual property rights power innovation. For instance, analyzing the level of intellectual property protections (via the World Economic Forum’s Global Competitiveness reports) and creative outputs (via the Global Innovation Index) shows that countries with stronger IP protection have more creative outputs (in terms of intangible assets and creative goods and services in a nation’s media, printing and publishing, and entertainment industries, including online), even at varying levels of development.46

IPR reforms also introduce strong incentives for domestic innovation. Sherwood, using case studies from 18 developing countries, concluded that poor provision of intellectual property rights deters local innovation and risk-taking.47 In contrast, IPR reform has been associated with increased innovative activity, as measured by domestic patent filings, albeit with some variation across countries and sectors.48 For example, Ryan, in a study of biomedical innovations and patent reform in Brazil, found that patents provided incentives for innovation investments and facilitated the functioning of technology markets.49 Park and Lippoldt also observed that the provision of adequate protection for IPRs can help to stimulate local innovation, in some cases building on the transfer of technologies that provide inputs and spillovers.50 In other words, local innovators are introduced to technologies first through the technology transfer that takes place in an environment wherein protection of IPRs is assured; then, they may build on those ideas to create an evolved product or develop alternate approaches (i.e., to innovate). Related research finds that trade in technology—through channels including imports, foreign direct investment, and technology licensing—improves the quality of developing-country innovation by increasing the pool of ideas and efficiency of innovation by encouraging the division of innovative labor and specialization.51 However, Maskus notes that without protection from potential abuse of their newly developed technologies, foreign enterprises may be less willing to reveal technical information associated with their innovations.52 The protection of patents and trade secrets provides necessary legal assurances for firms wishing to reveal proprietary characteristics of technologies to subsidiaries and licensees via contracts.

The relationship between IPR rights and innovation can also be seen in studies of how the introduction of stronger IPR laws, with regard to patents, copyrights, and trademarks, affect R&D activity in an economy. Studies by Varsakelis and by Kanwar and Evenson found that R&D to GDP ratios are positively related to the strength of patent rights

, and are conditional on other factors.53 Cavazos Cepeda et al. found a positive influence of IPRs on the level of R&D in an economy, with each 1 percent increase in the level of protection of IPRs in an economy (as measured by improvements to a country’s score in the Patent Rights Index) equating to, on average, a 0.7 percent increase in the domestic level of R&D.54 Likewise, a 1 percent increase in copyright protection was associated with a 3.3 percent increase in domestic R&D. Similarly, when trademark protection increased by 1 percent, there was an associated R&D increase of 1.4 percent. As the authors concluded, “Increases in the protection of the IPRs carried economic benefits in the form of higher inflows of FDI, and increases in the levels of both domestically conducted R&D and service imports as measured by licensing fees.”55 As Jackson summarized, regarding the relationship between IPR reform and both innovation and R&D, and FDI, “In addition to spurring domestic innovation, strong intellectual property rights can increase incentives for foreign direct investment which in turn also leads to economic growth.”56

#### Cannabis wipes out superbugs and kills developing mutations, but further research and investments are required.

Sample ’20 [Ian; journalist at New Scientist and worked at the Institute of Physics as a journal editor, PhD in biomedical materials; 1-19-2020; "Cannabis compound could be weapon in fight against superbugs", Guardian; https://www.theguardian.com/society/2020/jan/19/cannabis-compound-could-be-weapon-in-fight-against-superbugs, accessed 4-16-2021]

A compound made by cannabis plants has been found to wipe out drug-resistant bacteria, raising hopes of a new weapon in the fight against superbugs. Scientists screened five cannabis compounds for their antibiotic properties and found that one, cannabigerol (CBG), was particularly potent at killing methicillin-resistant Staphylococcus aureus (MRSA), one of the most common hospital superbugs. Tests in the lab showed that CBG, which is not psychoactive, killed common MRSA microbes and “persister” cells that are especially resistant to antibiotics and that often drive repeat infections. The compound also cleared up hard-to-shift “biofilms” of MRSA that can form on the skin and on medical implants. Having seen how effective the substance was against bacteria in the lab, the researchers decided to test CBG’s ability to treat infections in animals. In a study that has not yet been published, they found that CBG cured mice of MRSA infections as effectively as vancomycin, a drug widely considered to be the last line of defence against drug-resistant microbes. The study is under review at the ACS Infectious Diseases journal. Eric Brown, a microbiologist who led the work at McMaster University in Hamilton, Ontario, said cannabinoids were “clearly great drug-like compounds”, but noted it was early days in assessing the compounds for use in the clinic. “There is much work to do to explore the potential of the cannabinoids as antibiotics from the safety standpoint,” he said. Antibiotic resistance has become a major threat to public health. England’s former chief medical officer Dame Sally Davies has said the loss of effective antibiotics would lead to “apocalyptic scenarios”, with patients dying from routine infections and many operations becoming too risky to perform. In the study, the researchers describe how the rapid global spread of drug resistance, caused by microbes developing mutations that protect them against antibiotics, has driven an urgent need to explore new sources of drugs. Among antibiotics in use today, the newest date back to discoveries made more than 30 years ago.

#### Only CBD solves superbugs.

Stevens ’21 [Kylie; reporter covering medical breakthrough by Researchers at University of Queensland’s Institute for Molecular Bioscience and the peer-reviewed Communications Biology journal; 1-19-2021; Mail Online; https://www.dailymail.co.uk/news/article-9165415/Medical-breakthrough-revealed-cannabis-kill-superbugs-save-10million-lives-year.html, accessed 4-16-2021; RG]

Laboratory studies have shown synthetic cannabidiol, the main nonpsychoactive component of cannabis better known as CBD can kill bacteria in diseases such as gonorrhea, a sexually transmissible infection. The research has been hailed as a potential world medical breakthrough, amid predictions drug-resistant infections could result in 10 million deaths worldwide a year by 2050 unless an alternate treatment is found. The research, recently published in the Communications Biology journal is part of a collaboration between Queensland researchers and Botanix Pharmaceuticals, which lead to the first new class of antibiotics for resistant bacteria in 60 years. 'This is the first time CBD has been shown to kill some types of Gram-negative bacteria. These bacteria have an extra outer membrane, an additional line of defence that makes it harder for antibiotics to penetrate,' Institute for Molecular Bioscience director Dr Mark Blaskovich said in a statement. Researchers also discovered cannabidiol is effective in killing off superbug MRSA found in golden staph bacteria. It may also be used to treat infected diabetic ulcers and wounds. 'Cannabidiol showed a low tendency to cause resistance in bacteria even when we sped up potential development by increasing concentrations of the antibiotic during 'treatment,' Dr Blaskovich added. 'We think that cannabidiol kills bacteria by bursting their outer cell membranes, but we don't know yet exactly how it does that, and need to do further research.'

#### Small exceptions spill over by creating anti-IP precedent and momentum.

Balasubramanyam 14 “Battles Over Patents: Is India Changing The Rules Of The Game?” 02/18/2014 Ranjitha Balasubramanyam [Germany-based journalist and humanitarian researcher with over two decades of journalistic experience, working mainly for European broadcasters] <https://www.ip-watch.org/2014/02/18/battles-over-patents-is-india-changing-the-rules-of-the-game/> SM

While admitting that the impact would be “marginal,” Bayer said in a written response to Intellectual Property Watch that it was the prospect of a “spillover” they are worried about and that spillovers “are a general threat for the whole industry.” “Economically, there is no massive impact so far but this could change if more products are involved,” Bayer said, adding that if countries like India are regarded as a “role model” for other countries, “IP protection could be diluted in several jurisdictions.” That may well prove a watershed moment and therefore cause for serious concern for the big research-based pharmaceutical companies. The trend toward reform is already evident by moves in South Africa to overhaul the country’s patent laws in an attempt to address concerns over the cost of drugs. Moreover, middle income states like India, China, South Africa and Brazil have the potential to evolve into highly profitable markets for big pharmaceutical concerns, as the market continues to grow in those countries. Given the prospect for future revenues, Malpani said: “The companies are concerned about the precedent this is setting where in the long term they want to prevent these countries from using these measures to protect public health.”

## Case

### 1NC – Monopolies

#### 1] Big pharma patent monopolies have failed – their Thailand example proves – the patents were indefinitely banned.

Reuters 19 Staff. “Thailand to Revoke Foreign Patent Requests on Marijuana.” Reuters, Thomson Reuters, 28 Jan. 2019, www.reuters.com/article/us-thailand-cannabis/thailand-to-revoke-foreign-patent-requests-on-marijuana-idUSKCN1PM1FU. //sid

Thailand on Monday effectively revoked all foreign patent requests for the use of marijuana, after fears foreign firms would dominate a market thrown open last month when the government approved the drug for medical use and research. The junta-appointed parliament in Thailand, a country which until the 1930s had a tradition of using marijuana to relieve pain and fatigue, voted to amend the Narcotic Act of 1979 in December in what it described as “a New Year’s gift to the Thai people”. While countries from Colombia to Canada have legalized marijuana for medical or even recreational use, the drug remains illegal and taboo across much of Southeast Asia. But in Thailand, the main controversy with the legalization involved patent requests by two foreign firms, British giant GW Pharmaceuticals and Japan’s Otsuka Pharmaceutical, filed before the change to the law. Thai civil society groups and researchers feared domination by foreign firms could make it harder for Thai patients to get access to medicines and for Thai researchers to get marijuana extracts. ADVERTISEMENT The military government issued a special executive order on Monday enabling the Department of Intellectual Property to revoke all pending patents that involve cannabis, or remove marijuana from those patents, within 90 days. “The pending patent requests are illegal,” Somchai Sawangkarn, a member of parliament responsible for amending the Narcotic Act told Reuters. “This NCPO order is beneficial for Thai people across the country because it prevents a monopolistic contract,” he said referring to the junta by its official name, the National Council for Peace and Order. Reuters did not have contact details for spokesmen for either of the two foreign firms and the companies did not immediately respond to emailed requests for comment.

#### 2] Barnett has no internal to innovation in medical marijuana – it’s specific to farmers not being able to grow weed to sell, not medical research.

#### 3] No impact to marijuana innovation – we don’t need new types of weed. This doesn’t turn our innovation arguments because our link is that reduction in IP chills innovation for all medicine due to fear of spillover

#### 4] No uniqueness – Biden won’t legalize weed

Kane 21 Kris Kane 3-26-2021 "Enjoy Marijuana? Joe Biden Doesn’t Care About You" <https://www.forbes.com/sites/kriskrane/2021/03/26/enjoy-marijuana-joe-biden-doesnt-care-about-you/?sh=4dec240e651d> (Senior Contributor at Forbes on the Weed Industry)//Elmer

This pattern of legalization supporters backpedaling to appease Joe Biden dates back to the campaign itself, where **Biden’s** **campaign** seemingly **sought to roll back years of progress** made by the Democratic Party since President Obama left office. In 2016 the Democratic Party platform included language calling for a “pathway” to legalization. Yet in 2020 **Biden’s campaign rejected** such language, removing any mentions of **meaningful cannabis policy reform** from the platform. When supporters tried to add a legalization plank back into the platform, even co-chair of the Congressional Cannabis Caucus Rep. Barbara Lee (D-CA) voted against it, presumably not to run afoul of the wishes of her party’s standard bearer despite her own strong support for legalization. Of course, none of this should be especially surprising. Joe **Biden’s record on marijuana**, drugs and crime **is** arguably **the worst** and most punitive of any Democratic politician of the past 50 years not named Diane Feinstein. He was an author and **champion** of the 1994 Crime Bill that is largely responsible **for** the current **mass incarceration** crisis in this country, and was the lead sponsor of the RAVE Act, one of the last pieces of draconian drug policy legislation passed by Congress that punished concert venue owners and promoters if drugs were used or sold at their events, even if they had no knowledge or involvement in the drug related activity. This is a politician who in 1974 said, “I don’t think marijuana should be legalized,” repeating that sentiment **as recently as 2010** when he **stated** “**I think legalization is a mistake**.” As Vice President in 2012 Biden had ““serious doubts that decriminalization would have a major impact on the earnings of violent criminal organizations,” and that “on examination you realize there are more problems with legalization than with non-legalization.”

### 1NC - Cartels

#### 1] Mexico is stable now – Global Peace Index is best indicator.

IEP 21 Institute for Economics & Peace. Mexico Peace Index 2021: Identifying and Measuring the Factors That Drive Peace, Sydney, May 2021. Available from: http://visionofhumanity.org/resources (accessed Date Month Year). //Elmer

The 2021 report is the eighth edition of the **Mexico Peace Index** (MPI), produced by the Institute for Economics and Peace (IEP). It **provides** a **comprehensive measure of peacefulness in Mexico**, including trends, analysis and estimates of the economic impact of violence on the country. The MPI is **based on** the **G**lobal **P**eace **I**ndex, the **world’s leading measure of global peacefulness**, produced by IEP every year since 2007. **Mexico’s peacefulness improved by 3.5 percent in 2020.** After four years of successive deteriorations, this marks a change in trend following the sharp increases in violence recorded between 2015 and 2018. This change can be traced to well before the onset of the COVID-19 pandemic. **Homicide and firearms** crime rates peaked in July 2018 and have since been gra**dually declining**. Other crime rates began to fall in mid-2019, which also preceded the pandemic. While improvements were occurring prior to the onset of COVID-19, further reductions in specific types of violence in 2020 followed the implementation of public health measures and stay-at-home orders. Crimes typically associated with people’s everyday movements — such as robberies, assaults, kidnappings and extortion — all recorded notable improvements in 2020. To highlight the changing trend in peacefulness in Mexico, the MPI finds that falls in peacefulness have historically occurred in most of the states. Between 2015 and 2019, 25 of the 32 states recorded deteriorations in peacefulness. However, in 2020, **22 states improved**, while only ten deteriorated. **Violence** in Mexico has become **increasingly concentrated**, particularly along key drug trafficking routes. In these areas, rival groups are engaged in violent contests over territory that continue to drive the high homicide rates. In 2020, just six states accounted for more than half of all homicides: Guanajuato, the state of México, Baja California, Chihuahua, Jalisco, and Michoacán.

#### 2] Decreasing cartel revenue causes cartel lash-out and diversification.

Murray et al 11 Chad Murray et al 11, Ashlee Jackson Amanda C. Miralrío, Nicolas Eiden Elliott School of International Affairs/Inter-American Drug Abuse Control Commission: Capstone Report April 26, 2011 “Mexican Drug Trafficking Organizations and Marijuana: The Potential Effects of U.S. Legalization” //re-cut by Elmer

Mexican DTOs would likely branch into other avenues of crime. Perhaps the most obvious short-term effect of marijuana legalization is that this would rob the Sinaloa and Tijuana cartels of up to half of their total revenue.117 The economic strain placed on the Sinaloa cartel and Tijuana cartel may not necessarily help Mexico in the short term. The short-term effects of legalization could very well create chaos for Mexico. “The cartels compensate for their loss of drug revenue by branching out into other criminal activities--kidnapping, murder-for-hire, contraband, illegal ¶ 29 ¶ immigrant smuggling, extortion, theft of oil and other items, loan-sharking, prostitution, selling protection, etc.”118 This means that if the social and economic environment remains the same then “they are not going to return to the licit world.”119 If the Sinaloa cartel and the Tijuana cartel turn towards activities like kidnapping, human trafficking and extortion, it could lead to a spike in violence that would prove to be destabilizing in those organizations‟ areas of operation. ¶  *The Sinaloa cartel and Tijuana cartel might splinter into smaller groups.* In addition, the loss of more than 40% of revenue would probably force them to downsize their operations. Like any large business going through downsizing, employees will likely be shed first in order to maintain profitability.120 These former DTO operatives will likely not return to earning a legitimate income, but rather will independently find new revenue sources in a manner similar to their employers. Therefore it is possible that the legalization of marijuana in the United States could cause territories currently under the control of the Sinaloa cartel and Tijuana cartel to become more violent than they are today. This is troubling, as Sinaloa, Baja California, Sonora, and Chihuahua states are already among the most violent areas of Mexico.121