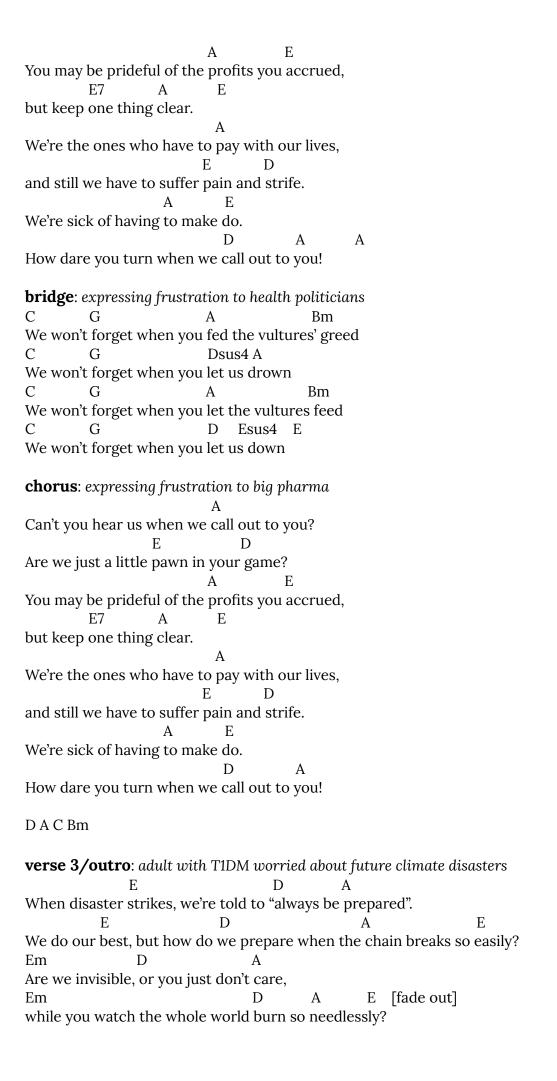
| Vultures  |
|---|
| Adapted from "More Than You Take" from the soundtrack of <u>Joseph: King of Dreams</u> by Danny Pelfrey     |
| Performance: <a href="https://youtu.be/4L6AWlnWLck">https://youtu.be/4L6AWlnWLck</a> key: Eb Capo: 1st capo |
| Intro: D A C Bm   |
| <b>verse 1</b> : child with T1DM - scared   |
| E D A  My blood is sweet, but this drug keeps me alive.  E D A E  |
| But what scares me is that I need it to survive, live, and thrive.  |
| Em D A O God, oh why did you curse me with this life? Em D E  |
| And my God, I'm terrified I'll run out, collapse, and die.  |
| <b>chorus</b> : expressing frustration to big pharma  |
| Can't you hear us when we call out to you?  E  D  |
| Are we just a little pawn in your game?  A  E   |
| You may be prideful of the profits you accrued, E7 A E  |
| but keep one thing clear.   |
| We're the ones who have to pay with our lives,  E D   |
| and still we have to suffer pain and strife.  A E   |
| We're sick of having to make do.  D A   |
| How dare you turn when we call out to you!  |
| C Bm  |
| verse 2: adult with T1DM - paying insurance  E D A  |
| You've robbed me of everything that I have.  E D A E  |
| I've saved these funds and bought the insurance to make my dreams a reality.  Em D A                        |
| But why do you screw me to satisfy your greed?  |
| Em D E You've made it so that I have to turn to no one else but you.  |
| <b>chorus</b> : expressing frustration to big pharma  |
| Can't you hear us when we call out to you?  |

Are we just a little pawn in your game?



## **Vultures**

#### verse 1:

My blood is sweet, but this drug keeps me alive. But what scares me is that I need it to survive, live, and thrive. O God, oh why did you curse me with this life? And my God, I'm terrified I'll run out, collapse, and die.

#### chorus:

Can't you hear us when we call out to you? Are we just a little pawn in your game? You may be prideful of the profits you accrued, but keep one thing clear. We're the ones who have to pay with our lives, and still we have to suffer pain and strife. We're sick of having to make do. How dare you turn when we call out to you!

#### verse 2:

You've robbed me of everything that I have. I've saved these funds and bought the insurance to make my dreams a reality. But why do you screw me to satisfy your greed? You've made it so that I have to turn to no one else but you.

#### chorus:

Can't you hear us when we call out to you? Are we just a little pawn in your game? You may be prideful of the profits you accrued, but keep one thing clear. We're the ones who have to pay with our lives, and still we have to suffer pain and strife. We're sick of having to make do. How dare you turn when we call out to you!

#### bridge:

We won't forget when you fed the vultures' greed. We won't forget when you let us drown. We won't forget when you let the vultures feed. We won't forget when you let us down!

chorus: expressing frustration to big pharma Can't you hear us when we call out to you? Are we just a little pawn in your game? You may be prideful of the profits you accrued, but keep one thing clear. We're the ones who have to pay with our lives, and still we have to suffer pain and strife. We're sick of having to make do. How dare you turn when we call out to you!

### verse 3/outro:

When disaster strikes, we're told to "always be prepared". We do our best, but how do we prepare when the chain breaks so easily? Are we invisible, or you just don't care, while you watch the whole world burn so needlessly?

**Essay Topic**: Living on the edge: the vulnerabilities of Type 1 diabetics to climate-related insulin immobility in the US

**Research Question**: To what extent has climate change impacted the health risks and insulin mobilities for type 1 diabetic patients in the USA?

# Song Lyrics Breakdown verse 1: My blood is sweet, but this drug keeps Breakdown This depicts a young girl with T1DM. Sh diagnosed from a young age, which mea

But what scares me is that I need it to survive, live, and thrive.

O God, oh why did you curse me with this life?

And my God, I'm terrified I'll run out, collapse, and die.

This depicts a young girl with T1DM. She has been diagnosed from a young age, which means she doesn't know a life outside of her condition but knows that she must monitor her glycemic levels and rely on insulin to live a fruitful life<sup>1</sup>. She despises how much her condition controls her but is also terrified that she'll run out someday and she'll die. This is a real threat for many diabetics in the US, especially as prices for insulin continue to hike<sup>2</sup>. It also is a harrowing image as innocent children should not have to be reminded of their mortality at such a young age.

#### verse 2:

me alive.

You've robbed me of everything that I have.

I've saved these funds and bought the insurance to make my dreams a reality.

But why do you screw me to satisfy your greed?

You've made it so that I have to turn to no one else but you.

Verse 2 describes a young adult who had her life planned out: she bought all the right insurance and budgeted for her dream life. However, she is diagnosed with T1DM in adulthood, and while the insurance helps cover some fo the costs, she is still struggling to pay off her expensive medical fees. However, she cannot turn to anyone else for insulin and her supplies as the monopoly of insulin is held in the hands of 3 companies: Novo Nordisk, Eli Lilly, and Sanofi<sup>3</sup>.

#### verse 3:

When disaster strikes, we're told to "always be prepared".

We do our best, but how do we prepare when supply chains break so easily?

Are we invisible, or you just don't care, while you watch the whole world burn so needlessly?

If you think insulin mobilities are good on a normal day, boy do I have a story for you. Not only are supply chains easily broken, from the manufacture end like in Hurricane Maria<sup>4</sup> to the distribution end in virtually every hurricane in the past decade<sup>5</sup>, the responsibility seems to falls on individuals themselves and volunteer organizations to distribute the insulin and take care of each other<sup>6</sup>. In the meantime, big corporations and federal governments like themselves seem to sit back and watch the whole world burn (literally, it's getting hot in here!) through their contributions or lack of actions to combat climate change. Has it occurred to them that with climate change comes more disasters with greater impacts? Do they realize how many more diabetic lives are made vulnerable alongside their money-hungry decisions?

<sup>&</sup>lt;sup>1</sup> (Funtanilla et al., 2019; Levitsky and Misra, 2023a)

<sup>&</sup>lt;sup>2</sup> (Irving, 2021)

<sup>&</sup>lt;sup>3</sup> (Allen, 2023)

<sup>&</sup>lt;sup>4</sup> (Jarvis, 2018; Ponder et al., 2020; Thomas and Kaplan, 2017)

<sup>&</sup>lt;sup>5</sup> (Ponder et al., 2020)

<sup>&</sup>lt;sup>6</sup> (Dimentstein et al., 2020; DDRC, n.d.; Fisher et al., 2018)

#### chorus:

Can't you hear us when we call out to you?

Are we just a little pawn in your game? You may be prideful of the profits you accrued,

but keep one thing clear.

We're the ones who have to pay with our lives,

and still we have to suffer pain and strife.

We're sick of having to make do. How dare you turn when we call out to you! The chorus is essentially a rally against big pharma in the US and anyone enabling their actions, including politicians. The frustration of diabetic patients is palpable as they protest being numbers and chess pieces to manipulate for better profits, all at the cost of their health<sup>7</sup>. Some have even had to make do by measures like insulin rationing, which can have long-term health complications and can even lead to death<sup>8</sup>.

As the chorus repeats, it gets louder and louder, calling for action about the immobility of insulin and vulnerabilities of T1D patients, because it seems like their voices aren't being heard.

### bridge:

We won't forget when you fed the vultures' greed.

We won't forget when you let us drown.

We won't forget when you let the vultures feed.

We won't forget when you let us down!

This targets politicians specifically for not doing enough and for enabling the monopolies. Monopolies on the insulin supply chain have caused a 200% increase over the last decades<sup>9</sup>, and if it were not for federal government action, this would have gone unchecked. However, this aid came too little, too late. For example, while the Inflation Reduction Act by the Biden Administration was passed in August 2022 to cap monthly insulin prices to \$35 for Medicaid patients<sup>10</sup>, 43 republicans initially voted against a bill that would cap insulin prices at \$30<sup>11</sup> and was initially rejected. This showed a trend of consistently turning a blind eye.

The vulture metaphor describes the mentality of big pharma countries, who are greedily profiting off the weak.

# References

Allen, A., 2023. Insulin's high cost goes beyond drugmakers to industry's price mediators. CNN.

Conner, F., Pfiester, E., Elliott, J., Slama-Chaudhry, A., 2019. Unaffordable insulin: patients pay the price. The Lancet Diabetes & Endocrinology 7, 748.

https://doi.org/10.1016/S2213-8587(19)30260-8

DDRC, n.d. Diabetes Preparedness Plan [WWW Document]. Diabetes Disaster Response Coalition. URL <a href="https://diabetesdisasterresponse.org/diabetes-preparedness-plan">https://diabetesdisasterresponse.org/diabetes-preparedness-plan</a> (accessed 5.10.23).

Dimentstein, K., Leyva Jordán, C.A., Ponder, S.W., Matheson, D.L., Sosenko, J.M., Espinel, Z., Shultz, J.M., 2020. Provider-Guided Emergency Support for Persons Living With Type 1 Diabetes

<sup>&</sup>lt;sup>7</sup> (Allen, 2023; Luo and Kesselheim, 2015; Rajkumar, 2020)

<sup>&</sup>lt;sup>8</sup> (Conner et al., 2019; Irving, 2021)

<sup>&</sup>lt;sup>9</sup> (Hernandez et al., 2020)

<sup>10 (</sup>The White House, 2023)

<sup>&</sup>lt;sup>11</sup> (Hirsch, 2022)

- During Hurricanes Harvey, Irma, and Maria. Disaster Medicine and Public Health Preparedness 14, 150–154. https://doi.org/10.1017/dmp.2020.17
- Fisher, C., Strobel, A., Strobel, M., 2018. Sharing What Hurricane Harvey Taught Us. ADCES. URL <a href="https://www.diabeteseducator.org/news/perspectives/adces-blog-details">https://www.diabeteseducator.org/news/perspectives/adces-blog-details</a> (accessed 5.10.23).
- Funtanilla, V.D., Candidate, P., Caliendo, T., Hilas, O., 2019. Continuous Glucose Monitoring: A Review of Available Systems. P T 44, 550–553.
- Hernandez, I., San-Juan-Rodriguez, A., Good, C.B., Gellad, W.F., 2020. Changes in List Prices, Net Prices, and Discounts for Branded Drugs in the US, 2007-2018. JAMA 323, 854-862. <a href="https://doi.org/10.1001/jama.2020.1012">https://doi.org/10.1001/jama.2020.1012</a>
- Hirsch, I.B., 2022. Insulin pricing in the USA: the saga continues. The Lancet Diabetes & Endocrinology 10, 695. <a href="https://doi.org/10.1016/S2213-8587(22)00251-0">https://doi.org/10.1016/S2213-8587(22)00251-0</a>
- Irving, D., 2021. The Astronomical Price of Insulin Hurts American Families. RAND Review. URL <a href="https://www.rand.org/blog/rand-review/2021/01/the-astronomical-price-of-insulin-hurts-american-families.html">https://www.rand.org/blog/rand-review/2021/01/the-astronomical-price-of-insulin-hurts-american-families.html</a> (accessed 5.9.23).
- Jarvis, L.M., 2018. Hurricane Maria's lessons for the drug industry. Chemical & Engineering News.
- Levitsky, L.L., Misra, M., 2023a. Overview of the management of type 1 diabetes mellitus in children and adolescents [WWW Document]. UpToDate. URL <a href="https://www-uptodate-com.eproxy.lib.hku.hk/contents/overview-of-the-management-of-type-1-diabetes-mellitus-in-children-and-adolescents?search=type%201%20diabetes%20target%20range&source=search=result&selectedTitle=1~150&usage=type=default&display=rank=1#H20598376 (accessed 5.9.23).
- Luo, J., Kesselheim, A.S., 2015. Evolution of insulin patents and market exclusivities in the USA. The Lancet Diabetes & Endocrinology 3, 835–837. <a href="https://doi.org/10.1016/S2213-8587(15)00364-2">https://doi.org/10.1016/S2213-8587(15)00364-2</a>
- Pelfrey, D. (2000). More Than You Take. [Song] Universal City: Dreamworks SKG.
- Ponder, S.W., Atkinson, C., Imber, A., Jordán, C.A.L., Matheson, D.L., Dimentstein, K., Espinel, Z., Shultz, J. m., 2020. Supporting Persons Living With Type 1 Diabetes during Hurricanes. ADCES in Practice 8, 20–25. <a href="https://doi.org/10.1177/2633559X20915436">https://doi.org/10.1177/2633559X20915436</a>
- Rajkumar, S.V., 2020. The High Cost of Insulin in the United States: An Urgent Call to Action. Mayo Clinic Proceedings 95, 22–28. <a href="https://doi.org/10.1016/j.mayocp.2019.11.013">https://doi.org/10.1016/j.mayocp.2019.11.013</a>
- The White House, 2023. FACT SHEET: President Biden's Cap on the Cost of Insulin Could Benefit Millions of Americans in All 50 States [WWW Document]. The White House. URL <a href="https://www.whitehouse.gov/briefing-room/statements-releases/2023/03/02/fact-sheet-president-bidens-cap-on-the-cost-of-insulin-could-benefit-millions-of-americans-in-all-50-states/">https://www.whitehouse.gov/briefing-room/statements-releases/2023/03/02/fact-sheet-president-bidens-cap-on-the-cost-of-insulin-could-benefit-millions-of-americans-in-all-50-states/</a> (accessed 5.10.23).
- Thomas, K., Kaplan, S., 2017. Hurricane Damage in Puerto Rico Leads to Fears of Drug Shortages Nationwide. The New York Times.