

WEED THE PEOPLE, AS BROADCAST

00:00:10:12		[Down-tempo music plays]
00:00:15:22	TRACY RYAN	We went in, and they said, you know, "These tumors hit such a growth spurt, and we need to make sure that this isn't a high-grade glioma." And I said, "Well, what if it is?" They said, "Your daughter will not live to see her 2nd birthday."
00:00:26:15	WOMAN	Fight with all of my strength...
00:00:29:01	TRACY RYAN	Thank you for allowing people to open their minds, Lord, to see that this is your gift to us, your gift from heaven, to have given us this medicine to treat our babies."
00:00:39:14	CINDY JONES	When we found out about Sophie's brain tumor, I had no idea this would be the gift from God to her.
00:00:45:22	ALL	Amen.
00:00:47:09		[Music continues]
00:00:47:22	ANGELA SMITH	When your kid's got cancer, the rule book goes out of the window, really. You need to get them well, and you need to do everything that you can to make them well. And I wouldn't feel right if I didn't explore everything that there was.
00:00:59:20	CHRIS KEPHART	They found over 20 tumors in his chest. At that time, Dr. Storch told us, "Now is the time to do alternative medicine.
00:01:10:10		[Mid-tempo music plays]
00:01:12:01	DR. AMANDA REIMAN	People have been using cannabis as a medicine for 5,000 years. THC has always been kind of the star of the show because it's the most psychoactive.
00:01:16:20	<i>on-screen graphic</i>	Amanda Reiman, PhD, Drug Policy Expert
00:01:20:12	DR. AMANDA REIMAN	But then research started showing that there were a lot of other cannabinoids in the plant that had as many, if not more, therapeutic effects.
00:01:28:14	<i>on-screen graphic</i>	Donald Abrams, MD, Chief of Hematology/Oncology, San Francisco General Hospital
00:01:28:14	DR. DONALD ABRAMS	For me, one of the most exciting areas is is cannabis an anti-cancer agent? The number of different ways that cannabis and cannabinoids in the test tube seem to suppress cancer is quite impressive. But in oncology, we often say, "The plural of 'anecdote' is not 'evidence.'"

00:01:47:13	DR. BONNI GOLDSTEIN	Cancer cells plus cannabis together in a Petri dish.
00:01:48:11	<i>on-screen graphic</i>	Bonni Goldstein, MD, Pediatric Cannabis Physician What we know what happens there — There's a lot of studies that show that.
00:01:51:03	ANGELA PETERSON	Mm-hmm. Right.
00:01:54:10	DR. BONNI GOLDSTEIN	We do not have human studies, and certainly we don't have studies in pediatrics.
00:01:57:18	DR. BONNI GOLDSTEIN	Good job. Blood pressure's perfect.
00:01:58:12		[Velcro ripping]
00:01:59:05	DR. BONNI GOLDSTEIN	Look at that.
00:02:00:04	DR. SHARON LEVY	If we want to use marijuana as a medicine, we need to make it a medicine.
00:02:03:09	<i>on-screen graphic</i>	Dr. Sharon Levy, American Academy of Pediatrics
00:02:04:01	DR. SHARON LEVY	We haven't done that yet.
00:02:05:08	WOMAN	My — My friend dying from pancreatic cancer can't wait for studies.
00:02:09:02	WHOOPI GOLDBERG	Yeah.
00:02:09:18	WOMAN	My — My child can't wait for studies.
00:02:10:14	WHOOPI GOLDBERG	That's the — That's the problem.
00:02:11:03	DR. SHARON LEVY	I-I — And I hear you.
00:02:11:05	AUDIENCE	[Applauding]
00:02:13:08	JIM VON HARZ	The controversy about it kind of makes me mad because it's at the cost of our children.
00:02:15:20	CECILIA VON HARZ	I-I want to —
00:02:17:05	JIM VON HARZ	You know, it's at the cost of our loved ones. And a lot of people don't want to try this because of the reputation.
00:02:22:19	ETHAN NADELMANN	One can argue that there's a human right to have the government provide you with a medicine.
00:02:27:14	<i>on-screen graphic</i>	Ethan Nadelman, Founder, Drug Policy Alliance
00:02:27:14	ETHAN NADELMANN	But at the very least, there has to be a consensus that the government should never deprive you of access to a medicine which can be helpful.
00:02:36:00		[Music continues]
00:02:36:05	DR. BONNI GOLDSTEIN	Why as a society are we denying people the use of something that I have seen firsthand over and over and over again be helpful?
00:02:46:16		[Down-tempo music plays]
00:02:46:19	<i>on-screen graphic</i>	WEED THE PEOPLE
00:02:53:02	TRACY RYAN	You ready to kick cancer in the butt?!
00:02:54:16	JOSH RYAN	Oh!
00:02:54:18	TRACY RYAN	[Laughing] Yay!

00:02:55:18	SOPHIE RYAN	[Giggling]
00:02:56:14	TRACY RYAN	Oh! So excited!
00:03:04:22	<i>on-screen graphic</i>	California, 2013
00:03:12:02		[Lid opening, rattling]
00:03:17:18	ANGELA SMITH	It started off with a swollen tonsil, which I just thought was a throat infection, so it didn't concern me too much. So then the lump didn't go away with the antibiotics. So we got admitted.
00:03:29:16	<i>on-screen graphic</i>	Angela Smith
00:03:29:16	ANGELA SMITH	And that's when they thought it had 10 days before it blocked his airways. And eight days later, we got the diagnosis.
00:03:35:13		[Spoon rattling]
00:03:36:22	<i>on-screen graphic</i>	Chico Ryder, Diagnosed with Rhabdomyosarcoma
00:03:39:18	ANGELA SMITH	I was really surprised when the doctor came in and handed me this treatment plan. And I just thought, "That's really odd that it's already been designed." And then I realized that it was one-size-fits-all for that particular diagnosis, that type of cancer. Then I was quite worried when he said, "Oh, this was devised in the '70s." And I — And I said, "What, it's not been changed since the '70s?" And he said, "Oh, well, yeah. Slightly, you know. But fundamentally, because kids' cancer is quite rare, not much research gets done," which I find quite worrying, 'cause you'd hope that with medical advances, things would have changed slightly.
00:04:15:05	CHICO RYDER	[Moaning]
00:04:18:08	ANGELA SMITH	Okay.
00:04:20:13		[Liquid pouring]
00:04:27:20	ANGELA SMITH	He is the single-worst case of chemo-induced nausea that they've ever seen. Literally, we've tried everything that they have on their list of options. We've tried everything. And then there was the marijuana. Marijuana's the only thing that's really — I mean, it doesn't work all the time, but when it works, it really, really works.
00:04:45:06		[Down-tempo music plays]

00:04:46:15	ANGELA SMITH	Then I started reading about cannabis oil and the anti-tumor properties of it. And I thought, "Well, if we're using it to treat the symptoms, we might as well give him the anti-tumor dose at the same time." It's all about supporting the side effects and helping the chemo to do its job of getting rid of the cancer. They're the two main things that — that I'm trying to do with this.
00:05:08:18		[Music continues]
00:05:25:04	A.J. KEPHART	When we first came here, I was kind of clueless. I had no idea what pediatric oncology meant. So that was terrifying. You know, even though I've done this, like, more than a hundred times, I still get a little afraid of the needle.
00:05:39:06		[Music continues]
00:05:40:01	NURSE	Hello. [Chuckles] How are you, A.J.?
00:05:43:22	A.J. KEPHART	Hi, Rosemary.
00:05:44:20	ROSEMARY	Hi. How are you?
00:05:46:06	A.J. KEPHART	Uh, tired, but good. How are you doing?
00:05:47:22	ROSEMARY	Good. Thank you.
00:05:49:11	A.J. KEPHART	That's good.
00:05:50:16	ROSEMARY	We're gonna count one to three. Ready?
00:05:53:04	<i>on-screen graphic</i>	A.J. Kephart, Diagnosed with Osteosarcoma
00:05:53:13	A.J. KEPHART	Yeah. And then "three" is when you put it in, like always?
00:05:56:07	ROSEMARY	One, two, three.
00:06:00:04		[Music continues]
00:06:05:06	CHRIS KEPHART	A.J. is 17 years old now. When we first found out that he had cancer, he was 13?
00:06:08:20	<i>on-screen graphic</i>	Sheila & Chris Kephart
00:06:11:03	SHEILA KEPHART	Mm-hmm.
00:06:11:17	CHRIS KEPHART	He was 13 years old. We found out that it was osteosarcoma cancer — bone cancer. Um, by the time that they caught it, he was already stage IV. I believe it was his second chemo, his lungs collapsed, um, because the cancer had spread to his lungs, also being stage IV. Uh, that trip was like six, eight weeks solid in the hospital that she lived in the hospital with him. It came back again, and it was basically in his spine. I think they took out 2, 3, and 4 and then put a steel cage in.
00:06:44:15	SHEILA KEPHART	And they removed his ribs.
00:06:45:17	CHRIS KEPHART	And then they removed some of his ribs where it was attached to, I think, one or two on each side?
00:06:50:21	SHEILA KEPHART	Two on each side.

00:06:51:12	CHRIS KEPHART	Two on each side.
00:06:53:01	A.J. KEPHART	Since my hand has kind of been, uh, messed up after one of the surgeries on my back, they had to sever some of the nerves. And those nerves were going to my hand. So my fire button used to be my mouse 1. But I changed it to looking into my dinosaur's inventory instead.
00:07:11:18	CHRIS KEPHART	A month and a half after the surgery, he was sick. He didn't feel good. They found over 20 tumors in his chest. It was very bleak at that point, and A.J. does not know how bleak it was. We've never told him that. He's a 17-year-old kid. He needs to concentrate on getting better.
00:07:33:10	A.J. KEPHART	Bronto is down for the count. Hey, survival of the fittest.
00:07:38:09		[Down-tempo music plays]
00:07:41:17	CHRIS KEPHART	This is the raw oil form that we get when we buy it.
00:07:54:03	A.J. KEPHART	When we started using it, we had to get a permit. And then we could start actually getting it from the dealer — I guess is the right term. Distributor? Um, I'm not sure what the correct term is to not make it look bad or sound bad. [Laughs]
00:08:11:00		[Mid-tempo music plays]
00:08:12:02	CHRIS KEPHART	Sheila and A.J. get out and go upstairs, and I'm driving the truck in Beverly Hills, circling the parking lot, trying to find a place to park. I can't. I can't even find a place to park. She gets in the truck. A.J. gets in the truck. And she's got this little, teeny bag, and I'm like, "Okay. So what was it?" And she's crying, and she's like, "I wish you could have been there because of all these questions." And I'm like, "Okay. So let me — I'm curious. What is this stuff? What — What is it? What is it and how much did we spend?"
00:08:41:16	SHEILA KEPHART	[Chuckles] Yeah.
00:08:43:08	CHRIS KEPHART	And so she pulls out these two little syringes that are like 10 grams or 10 milliliters. It's supposedly all the same or something like that. And there's two of them. And she goes, "This was \$1,010 for those two." And I'm like...[Gulps] It's our son. What do you do?
00:09:01:07		[Music continues]
00:09:02:10	TRACY RYAN	Come in.
00:09:02:19	MARA GORDON	Hi, Tracy.

00:09:03:15	TRACY RYAN	Hi. So nice to meet you.
00:09:04:16	MARA GORDON	So nice to meet you.
00:09:06:00	TRACY RYAN	Thank you so much for coming all this way.
00:09:07:20	MARA GORDON	Oh, honey, it's my pleasure.
00:09:08:09	TRACY RYAN	I know you had such a...
00:09:09:16	JOSH RYAN	This is Sophie.
00:09:09:22	<i>on-screen graphic</i>	Sophie Ryan, Diagnosed with Optic Pathway Glioma
00:09:10:19	MARA GORDON	Hey.
00:09:11:02	STEWART SMITH	Hi, Sophie.
00:09:12:00	MARA GORDON	I'll let you wake up.
00:09:12:04	JOSH RYAN	We just got her up from her nap.
00:09:12:10	TRACY RYAN	Say hi.
00:09:13:15	JOSH RYAN	Yeah. She's still waking up.
00:09:14:03	MARA GORDON	Yeah. [Gasps] Oh!
00:09:16:10	<i>on-screen graphic</i>	Mara Gordon, Founder, Aunt Zelda's Inc.
00:09:16:18	STEWART SMITH	She's so aware.
00:09:17:12	TRACY RYAN	She's — Yeah.
00:09:18:00	JOSH RYAN	Oh, she is.
00:09:19:03	TRACY RYAN	Yeah. She's quite the special little baby.
00:09:19:18	JOSH RYAN	She's always been that way.
00:09:20:20	STEWART SMITH	Really?
00:09:22:02	TRACY RYAN	Neither one of us could imagine putting our tiny little baby through chemo. And the day that we decided to not do chemo was the day that I felt like I could breathe again, and I'm sure he would say the same.
00:09:34:20	JOSH RYAN	Oh, yeah.
00:09:34:22	MARA GORDON	Yeah. It's just so counterintuitive to do it.
00:09:36:16	TRACY RYAN	[Groans]
00:09:37:21	JOSH RYAN	We got the scans. Said it was an optic pathway glioma.
00:09:41:07	STEWART SMITH	Wow.
00:09:41:09	TRACY RYAN	Here's the core of the mass sitting right there on optic cross.
00:09:44:21	MARA GORDON	Mm-hmm. These are excellent pictures.
00:09:47:21	TRACY RYAN	Here. Oh, and this is only one of them. And then here. This one is of her spine. Her spine's totally clear, so it has not metastasized or spread in any way.
00:09:54:02	MARA GORDON	Thank God.
00:09:57:12	TRACY RYAN	And then this is —
00:09:57:19	MARA GORDON	'Cause that's the most natural, normal place for it to go.
00:10:00:04	STEWART SMITH	Yeah.

00:10:00:06	TRACY RYAN	She has none of that.
00:10:01:15	MARA GORDON	Okay. Let me just mention this. I don't have medical training.
00:10:05:09	TRACY RYAN	Right.
00:10:05:11	MARA GORDON	I don't claim to have medical training. I just have something that I feel is more important, and that's experience. We're gonna have to experiment. There might be times when, as we're figuring out what her dose is, we might go, "Oh, okay. That's too much." It can't hurt her. If it <i>is</i> too much, all it's gonna take is the hours of it getting out of her system.
00:10:24:22	TRACY RYAN	Her system. And that's what we love so much about this is that she's not gonna be suffering. She's not gonna be in pain. We don't have to watch her deteriorate. She's perfect healthwise.
00:10:33:02	MARA GORDON	Right. Yeah.
00:10:34:00	TRACY RYAN	She's had one cold in nine months, and that's 'cause Daddy gave it to her.
00:10:36:06	MARA GORDON	Except for that damn cancer.
00:10:37:10	TRACY RYAN	Except for that huge mass in her brain.
00:10:39:00	JOSH RYAN	Except for that mass.
00:10:39:02	TRACY RYAN	That's the only thing. Yeah.
00:10:41:06	TRACY RYAN	So literally a thousand stars had to align for us to finally change our mind on cannabis. That was the only thing that we just completely dismissed and refused to research because we just thought it was so ridiculous.
00:10:48:02	JOSH RYAN	Yeah.
00:10:48:18	<i>on-screen graphic</i>	Josh & Tracy Ryan
00:10:51:02	JOSH RYAN	Yeah. Yeah. We looked at everything else but that.
00:10:56:04		[Down-tempo music plays]
00:10:56:15	TRACY RYAN	And it was all from Facebook. One of those mommies said, "Look. There's a lot of legitimate science going on around it." So we started really looking at this positive research on cannabis. And I said, "Honey, this could be it."
00:11:09:19	JOSH RYAN	Right.
00:11:12:03	TRACY RYAN	So, how do we...
00:11:13:19	MARA GORDON	Just with the first time, I'll just go ahead and do it, okay?
00:11:16:02	TRACY RYAN	Okay. Sure.
00:11:17:08	MARA GORDON	Okay. Perfect. Now, I'm giving her a tiny, tiny amount this first time, okay?
00:11:22:19	TRACY RYAN	Okay.

00:11:23:15	MARA GORDON	'Cause she's never been exposed to this. And then you draw back on this so it doesn't keep pouring out.
00:11:31:01	TRACY RYAN	Okay.
00:11:31:11	MARA GORDON	Okay?
00:11:32:11	TRACY RYAN	Here. Let Mama. Look at Mama. Oh, here we go. Good job.
00:11:34:22	JOSH RYAN	Yay!
00:11:35:01	TRACY RYAN	High five!
00:11:35:13	MARA GORDON	Hooray!
00:11:36:05	TRACY RYAN	Yay! High five! High five!
00:11:39:00	MARA GORDON	That's okay.
00:11:39:06	TRACY RYAN	Good job, honey. Does she — Will she feel any of the THC or is that CBD gonna counter it?
00:11:43:02	MARA GORDON	She may. We won't know until she —
00:11:44:18	TRACY RYAN	Till she — Till she...
00:11:46:13	MARA GORDON	Everybody's different.
00:11:47:05	TRACY RYAN	Yeah.
00:11:47:20	MARA GORDON	If she has her breakfast at 10:30, then you're not gonna be giving her this until probably 11:30 or so.
00:11:51:16	TRACY RYAN	Right.
00:11:52:07	MARA GORDON	And then we don't have time to get three doses in.
00:11:54:14	TRACY RYAN	Okay.
00:11:55:03	MARA GORDON	Um, so let's start out at two doses and see how she does.
00:11:55:20	TRACY RYAN	So — Well, we can wake her up earlier.
00:11:59:03	MARA GORDON	I know. I know. But let's do as little to disrupt your day.
00:12:01:23	TRACY RYAN	Okay.
00:12:02:07	MARA GORDON	Two is gonna be fine. It's not gonna be the — I know how it — I've come to learn over the years that we're not that powerful. We can do the best we can. We can, you know, whatever, but whatever's gonna happen is gonna happen.
00:12:15:19	TRACY RYAN	Mm-hmm.
00:12:16:03	MARA GORDON	You know, we're just not that powerful, you know?
00:12:17:22	TRACY RYAN	I just want to do what's best.
00:12:19:08	MARA GORDON	I know. And I know, and I — and I understand that. And you're a wonderful, wonderful mother, and you're doing an amazing job.
00:12:26:04	TRACY RYAN	Thank you.
00:12:27:07	TRACY RYAN	So — So, for now, let's just start with two a day.

00:12:31:03	TRACY RYAN	Okay.
00:12:31:23	MARA GORDON	Well, we're awfully happy to be able to help and be part of the journey.
00:12:34:11	TRACY RYAN	Oh, we're happy to have you. We really, truly are.
00:12:36:13	JOSH RYAN	Yeah.
00:12:36:21	TRACY RYAN	We cannot tell you how much this means to us.
00:12:37:12	JOSH RYAN	Oh, my gosh. Yeah.
00:12:38:20	MARA GORDON	Okay.
00:12:39:01	JOSH RYAN	Yeah.
00:12:39:11	MARA GORDON	Oh, yeah.
00:12:40:06	TRACY RYAN	Oh, yes.
00:12:40:23	MARA GORDON	Just —
00:12:41:13	TRACY RYAN	Let's put her to sleep.
00:12:42:15	MARA GORDON	You want to go lay?
00:12:43:11	TRACY RYAN	You want to go — You want to go night-night, boo bear?
00:12:45:03	MARA GORDON	You want to go night-night?
00:12:45:23	TRACY RYAN	Want to go night-night? Mommy will get you some milk ready.
00:12:49:06	MARA GORDON	Sophie.
00:12:49:08	TRACY RYAN	"Actually...
00:12:50:16	MARA GORDON	We're gonna get you better.
00:12:51:22	TRACY RYAN	...it's a little bit past my nap."
00:12:53:16	TRACY RYAN	You're gonna live a long life.
00:12:55:15		[Down-tempo music plays]
00:13:03:05		[Blender whirring]
00:13:05:16	STEWART SMITH	This is ground up like a medium-ground coffee grind.
00:13:08:14	<i>on-screen graphic</i>	Stewart Smith, President, Aunt Zelda's Inc.
00:13:09:02	STEWART SMITH	It's what we've found works out the best.
00:13:11:19		[Music continues]
00:13:14:13	MARA GORDON	Better with no bubbles.
00:13:15:00	STEWART SMITH	Well, kind of looks like...
00:13:16:08	MARA GORDON	Completely decarboxylated. All the air...
00:13:18:04	MARA GORDON	I went in for a pretty routine surgery. When I got out, I had hospital-acquired spinal meningitis. They sent me home from the hospital on fentanyl patches, morphine, all kinds of horrible drugs, and basically said, "Here. This is the rest of your life."
00:13:35:13		[Music continues]

00:13:37:06	MARA GORDON	I'd gone from being this incredibly vibrant, can-do, can-do-anything person to, "I'm the one sitting there watching while everybody else is living their life, and I'm doing nothing." I identify as a Dallas girl, as a Texan in a lot of ways — a Jewish Texan, which is even weirder. I never liked cannabis. I was one of those people that smoked pot a few times and was like, "Enh. I don't like the way it makes me feel." On the other hand, I had to do something, because life was becoming less worthwhile living day by day.
00:14:16:00		[Music continues]
00:14:16:01	MARA GORDON	[Sniffs] Oh, it's gorgeous. [Gasps] Okay.
00:14:21:09		[Water running]
00:14:21:20	MARA GORDON	Be careful with that water while I'm over here with the weed.
00:14:24:20	STEWART SMITH	All done.
00:14:24:21	MARA GORDON	You know how I feel about that.
00:14:26:11	STEWART SMITH	It's done. There's not even a dose left in that.
00:14:28:16	MARA GORDON	Okay. Want to taste it? Oh! It's gorgeous.
00:14:33:19	STEWART SMITH	Purple Urkle.
00:14:35:01	MARA GORDON	What I found was no consistency, no predictability, certainly nothing that remotely resembled medicine. So as a process engineer, I'm gonna have to do it myself.
00:14:45:20	STEWART SMITH	We have OG, E. We need...
00:14:47:01	STEWART SMITH	We learned that we had to activate it first, or decarboxylate it, and then you can cook that into an oil base. And so we went in the cookbook and tried to find the recipe with the most oil in it.
00:14:58:04	MARA GORDON	The first thing I made was my Aunt Zelda's carrot cake. I can gauge how strong I made it by how much of regular oil versus infused oil I put in it. Then we would weigh the piece and know exactly what the dose was in each and every piece. And that's called medicine. What's happened just from having the cannabis as far as improving my health has just been miraculous.
00:15:20:15	MARA GORDON	Hey, Nance. Uh, Mara here. I just wanted to let you know — I know you've got the .054 capsules of the Cannatonic. If there's any way you can back off a little bit on the morphine and oxycodone, that would be really great. I have to make up the medicine for Linda. Got Marie.

00:15:37:13	MARA GORDON	The way I manage this is pretty much with my hair on fire all the time. Un— Unfortunately, it's just Stewart and me.
00:15:41:14		[Bottles clanking]
00:15:43:11	MARA GORDON	Be careful.
00:15:44:04		[Door closes]
00:15:44:16	STEWART SMITH	The biggest problem with cannabis is that everybody has such a different tolerance for it that the biggest problem is dosing. And that's why we're dosing specialists.
00:15:53:14	MARA GORDON	Now, what do you recommend for Linda for her cancer? She's at stage IV. It's in both lungs now. It's all through her abdomen. So we really have to get aggressive at this point.
00:16:03:13	STEWART SMITH	Mm-hmm.
00:16:04:03	MARA GORDON	But she doesn't want to have that feeling of that "stoniness" that the high THC — I was thinking about putting her on the Williams Wonder and then cutting it with the Cannatonic.
00:16:13:02	STEWART SMITH	That's a good plan.
00:16:14:02	MARA GORDON	Okay.
00:16:15:14	STEWART SMITH	Marie.
00:16:17:12	MARA GORDON	As many people as we can help, I mean, we just can't say no. I mean, how can you say no to a needy person? I mean, how can we send them somewhere where they're just gonna get bad product or bad information?
00:16:28:13	MARA GORDON	The whole protocol is gonna be about a pound, which is like \$1,200 is about what we pay for it. And we just pass that on to you, and then we cover the overhead. Well, how did you find us? Google! Didn't even know we were on Google. Take care. Help's on the way.
00:16:44:07		[Indistinct conversations]
00:16:44:09		[Mid-tempo music plays]
00:16:45:05	<i>on-screen graphic</i>	Patients Out of Time Conference, Boca Raton, Florida
00:16:56:22	MARA GORDON	That's great.
00:17:00:13	DR. BONNI GOLDSTEIN	I mean, her seizure reduction went from 30% to 70% seizure reduction.
00:17:04:01	WOMAN	Wow.
00:17:04:18	WOMAN	Thank you.

00:17:05:06	DR. BONNI GOLDSTEIN	I've been a physician now for 24 years. I made the change from pediatric ER to a cannabis practice because I knew someone who was using medical cannabis who was sick. And seeing her do so well with this, I thought, "Wow. Here I am a doctor, and I don't even have an opinion 'cause I don't know."
00:17:21:00	<i>on-screen graphic</i>	Bonni Goldstein, MD, Pediatric Cannabis Physician
00:17:22:23	DR. BONNI GOLDSTEIN	So that's kind of where, then, I started that quest for knowledge to make myself a person who understands this and then can help other people understand it.
00:17:31:05	DR. BONNI GOLDSTEIN	Good morning, everybody, and thank you for getting up early to come here and hear me speak. I have seen things that we can call miracles, and I think it's really important to understand that to a family that's suffering, it feels like a miracle, but it's really just science and there's no reason to be afraid of it and there's no reason that this is not an option for everyone.
00:17:53:19		[Down-tempo music plays]
00:17:55:07	DR. BONNI GOLDSTEIN	In 1988, researchers discovered living things — humans — have cannabinoid receptors in their brains.
00:18:01:08	<i>on-screen graphic</i>	CANNABINOID RECEPTORS
00:18:03:14	DR. SUNIL AGGARWAL	Most people are familiar with dopamine, serotonin, norepinephrine — classical neurotransmitters.
00:18:05:08	<i>on-screen graphic</i>	CANNABINOID RECEPTORS DOPAMINE
00:18:06:09	<i>on-screen graphic</i>	CANNABINOID RECEPTORS SEROTONIN
00:18:07:01	<i>on-screen graphic</i>	CANNABINOID RECEPTORS NOREPINEPHRINE
00:18:09:12	DR. SUNIL AGGARWAL	That — Neurotransmitters are chemicals that allow neurons to talk to each other.
00:18:10:05	<i>on-screen graphic</i>	Sunil Aggarwal, MD, PhD, Palliative Care and Rehabilitation Specialist
00:18:13:11	DR. SUNIL AGGARWAL	When neuron "A" talks to neuron "B," it sends a chemical messenger across the synapse, and that binds to receptors at neuron "B." And then that turns into electricity.
00:18:22:11	DR. MARK WARE	What we've discovered is that there's a — Part of that system is governed by cannabinoid compounds. These are just molecules that we have that bind to these specific receptors.
00:18:29:00	<i>on-screen graphic</i>	Mark Ware, MD, Pain Medicine & Neurology

00:18:32:05	DR. MARK WARE	And they seem to play a role in smoothing out the whole communication process.
00:18:38:03	DR. RAPHAEL MECHOULAM	It seems to be so important that a group at NIH recently published a review and said that the endocannabinoid system is involved in essentially all human diseases.
00:18:39:00	<i>on-screen graphic</i>	Raphael Mechoulam, PhD, Professor of Medicinal Chemistry, Hebrew University of Jerusalem
00:18:48:13	<i>on-screen graphic</i>	In this brief synopsis we will discuss preclinical evidence implicating the Endocannabinoid System in human disease, and review treatment strategies that target the Endocannabinoid System for therapeutic gain in humans.
00:18:50:16	DR. RAPHAEL MECHOULAM	Now, that's a very strong statement. Very strong.
00:18:54:13	DR. BONNI GOLDSTEIN	Those receptors are not there for the cannabis plant, but it turns out that the cannabis plant compounds called cannabinoids work at those receptors.
00:19:02:22	DR. MARK WARE	So when you take a cannabinoid in from outside by smoking or vaporizing or eating or a pharmaceutical, you are somehow tinkering with that system and adjusting the way in which those nerves and muscles and communications happen.
00:19:15:20	DR. BONNI GOLDSTEIN	I often joke around with my patients — It's not magic fairy dust. It's not voodoo. There are chemical compounds in the plant that interact with the cells in our brains and in our bodies and have certain reactions. It's the same as every other drug. It just came from a plant.
00:19:35:02	ANGELA HARRIS	I, as an herbalist, felt duped, felt lied to. 'Cause I tell people about magnificent herbs all the time. Cannabis was just off limits. I mean, I was in that culture of it.
00:19:44:15	<i>on-screen graphic</i>	Angela Harris, Master Herbalist
00:19:45:23	ANGELA HARRIS	I thought it was this poisonous weed. I have nine children, and I have seen a lot of people with cancer. These experiences are just too overwhelming to ignore. I looked at my books and said, "There has to be cannabis in here. I've never looked for it." And it was everywhere.

00:20:02:22	ANGELA HARRIS	They start out with, "This is so well known to every good housewife in the country that I shall not need to write a description of it." And then it goes down to tell you, including how to use the roots. And this book is, uh...This book is 1805. All of these tabs are references to cannabis and how to use cannabis. We lost this! This is a tool we really need, and we're not too stupid to do it.
00:20:27:02		[Down-tempo music plays]
00:20:27:15	ANGELA HARRIS	We're not too stupid to handle this plant.
00:20:32:06	DR. DAVID BEARMAN	My father said to me, "You know, when I was at the University of Minnesota School of Pharmacy in 1928, one of the assignments we had was to make tincture of cannabis, and we had to be very careful because the alcohol was illegal."
00:20:35:17	<i>on-screen graphic</i>	David Bearman, MD, Pain Management
00:20:45:11	DR. DAVID BEARMAN	And I thought, "Well, how quaint, you know, but we don't — we don't use plants anymore." And it probably took me a good 15 or 20 years to really appreciate that this stuff still was medicine.
00:20:56:16	ETHAN NADELMANN	It was part of the pharmacopeia, you know, well into the 20th century. It was a frequently prescribed medication — not to smoke it, but in its tinctures, et cetera. And if you look at, then, why and how it was criminalized, really, the key factor was the role of racism and xenophobia, anti-Mexican sentiment.
00:21:18:13		[Music continues]
00:21:29:16	ETHAN NADELMANN	People often point their finger at Harry Anslinger, who was the founder, the first head of the Federal Bureau of Narcotics. But in fact, he didn't start off being an anti-marijuana ideologue. It was really as the '30s progressed that he began to see the political opportunity in this. The Marijuana Tax Act of 1937 is basically a prohibition law.
00:21:53:00	DR. SUNIL AGGARWAL	The American Medical Association told Congress in 1937 — We sent a representative and said that you should not ban this substance because substantial medical uses and developments will be neglected, and also there's things we are already using this for that we don't have substitutes for.
00:21:56:13	<i>on-screen graphic</i>	Sunil Aggarwal, MD, PhD, Palliative Care and Rehabilitation Specialist
00:22:09:01	DR. DONALD ABRAMS	Is this a medicine?

00:22:10:17	<i>on-screen graphic</i>	Donald Abrams, MD, Chief of Hematology/Oncology, San Francisco General Hospital
00:22:10:22	DR. DONALD ABRAMS	Cannabis has been a medicine for 3,000 years. It only hasn't been a medicine in this country for 70 years. I think it's a medicine.
00:22:20:02		[Indistinct conversations]
00:22:21:07	RON WATSON	It's 70 years of propaganda that you're trying to fight against.
00:22:23:07	<i>on-screen graphic</i>	Ron Watson, Healthcare Lobbyist
00:22:23:21	RON WATSON	And — And that's not something that's gonna change overnight. I mean, honestly, you know, a lot of people look at me and say, "Really? You would have given your 7-year-old child marijuana?" And with what I know now, absolutely. But if you'd have asked me that same question four, five years ago, I probably would have been in that skeptical camp. You know, unfortunately, the parents know a lot more about this than the doctors do because when you become so desperate that you're willing to try anything, you learn. And if I cry, I apologize, but the day before my son passed away, I prayed to God to take him because the suffering was just too bad. And if I can help one parent — just one — not make that prayer of desperation, that's what my goal is in life now.
00:23:09:19		[Mid-tempo music plays]
00:23:12:04	TRACY RYAN	Here's her bottle. Give Mama a kiss. I love you.
00:23:15:17	JOSH RYAN	Say, "Nap time. I'll see you — I'll see you in an hour."
00:23:19:00	TRACY RYAN	This is her cannabis oil regimen that we have right now. Uh, "CT" stands for the Cannatonic. We give her the size of about a half a grain of rice two times a day.
00:23:29:14	TRACY RYAN	So this is what Sophie looks like when she starts to feel the effects of her medicine. She's not moving around as much, and she's a little sleepy-faced, but this is it.
00:23:38:05		[Music continues]
00:23:39:14	TRACY RYAN	It is day eight since we first started giving her the cannabis oil. She, as of today, is starting to get two different oils. So considering that a little bit of sleepiness is all we're seeing as — as a side effect, I'd say this has definitely been a much better alternative to the chemo thus far.

00:23:56:13		[Music continues]
00:23:56:15	TRACY RYAN	All right. Let's see if we can get her to take it. Come on, honey. [Gasps] Good girl. There you go. We just put a little drop on her pacifier. Tiny, tiny little drop. We're gonna give that to her while she's sleeping.
00:24:09:15	TRACY RYAN	So, we had to up Sophie's medicine. She's in a very good mood. Aren't you, honey? Are you happy right now? She is playful and laughing and smiling.
00:24:22:02	TRACY RYAN	Yeah. I'm just glad you guys are supporting us holding off on the chemo.
00:24:25:08	DR. JERRY CHENG	We recognize with this diagnosis, you know, there is some room in terms of exploring complementary therapies, but in general, we have a historical standard of care that we have.
00:24:28:14	<i>on-screen graphic</i>	Jerry Cheng, MD, Sophie's Oncologist
00:24:33:06	<i>on-screen graphic</i>	Josh & Tracy Ryan
00:24:35:14	DR. JERRY CHENG	As long as we keep that in mind, you know...
00:24:37:01	TRACY RYAN	Absolutely.
00:24:37:15	DR. JERRY CHENG	...moving forward, for sure, we — we — we definitely can — can intervene at any time. And she already has the port — port device in place.
00:24:42:17	TRACY RYAN	It's already there.
00:24:43:19		[Music continues]
00:24:44:15	TRACY RYAN	They all know what our — our treatment plan is. They all know we're using the oils. They've had nothing negative to say. They haven't thought in any way, shape, or form we're being bad parents or doing anything that is harmful to our child in any way, which is fantastic, because we wouldn't do it if our doctors didn't support us.
00:25:02:11	SOPHIE RYAN	[Babbling]
00:25:03:18	TRACY RYAN	He did bring up, you know, the "chemo" word, which, yeah, I even hate talking about it. We still believe in our hearts that this is gonna work. I mean, she's thriving right now. Her eye is getting better. And I don't know if it means anything, and Dr. Cheng couldn't tell us if it means anything because you don't know until you actually do the MRI scan. If I looked at it from a logical standpoint, as the tumor gets smaller and releases pressure, the eye shakes less. That, to me, is logical thinking.
00:25:36:02	JOSH RYAN	Right.

00:25:36:19	TRACY RYAN	So I'm gonna go with logic and say that the tumor is already getting smaller. That's what I'm gonna go with.
00:25:47:21	MAN	Oh, yeah. Oh, yeah.
00:25:50:11	ANGELA PETERSON	Oh, A.J. has to see the doctor.
00:25:52:14	MAN	[Speaking Spanish]
00:25:55:22	<i>on-screen graphic</i>	The Peterson family lives in Chicago but needs to establish California residency in order to qualify for medical marijuana to treat their son
00:25:57:01	ANGELA PETERSON	He has to see the doctor so he can get more medicine.
00:26:00:14		[Indistinct conversations]
00:26:03:04	ADRIAN PETERSON	If you're good — If you're good, we're gonna go — go get some chocolate.
00:26:05:14	ANGELA PETERSON	We'll get some chocolate.
00:26:07:12	ADRIAN PETERSON	And Dad's gonna get some, um...
00:26:08:09	DR. BONNI GOLDSTEIN	Let me check your eyeballs. Look at my nose.
00:26:11:08	A.J. PETERSON	[Chuckles]
00:26:12:10	DR. BONNI GOLDSTEIN	Okay. Now, can you follow the light with your eyes?
00:26:12:17	<i>on-screen graphic</i>	A.J. Peterson, Diagnosed with DIPG/Brain Stem Tumor
00:26:14:05	DR. BONNI GOLDSTEIN	Don't move your head. Look up.
00:26:20:02	ANGELA PETERSON	We went to the pediatrician's.
00:26:21:20	DR. BONNI GOLDSTEIN	Okay.
00:26:22:12	ANGELA PETERSON	They evaluated him, and that's when she sent us to the ER and said that we probably would not return home...
00:26:26:14	DR. BONNI GOLDSTEIN	Okay.
00:26:30:20	ANGELA PETERSON	...because she — she realized that it was serious.
00:26:32:23	DR. BONNI GOLDSTEIN	Right. So they diagnosed it based on what they saw on the CAT scan and the MRI, right?
00:26:33:12	<i>on-screen graphic</i>	Angela & Adrian Peterson
00:26:35:11	ANGELA PETERSON	Yes. Yes, ma'am.
00:26:37:21	DR. BONNI GOLDSTEIN	And then what did they tell you?
00:26:39:09	ANGELA PETERSON	What they normally do is radiation.
00:26:41:09	DR. BONNI GOLDSTEIN	Uh-huh.
00:26:41:21	ANGELA PETERSON	It had to be done, like, right away because he was already to the point where he couldn't swallow by the time we —
00:26:46:18	DR. BONNI GOLDSTEIN	Oh, wow. Okay.
00:26:48:00	ANGELA PETERSON	Like, the first day of being in the hospital.
00:26:51:07	DR. BONNI GOLDSTEIN	And what did they tell you his prognosis is?
00:26:53:20	ANGELA PETERSON	Uh, well, they suspect six to nine months of life.
00:26:56:01	MAN'S VOICE ON TABLET	Oh, yeah! Check me out here!

00:26:57:22	ANGELA PETERSON	Um, after that, then it would be the end for him.
00:27:00:13	DR. BONNI GOLDSTEIN	So they shrunk it to give him more quality of life?
00:27:03:03	ANGELA PETERSON	Right.
00:27:03:22	DR. BONNI GOLDSTEIN	Right. Okay.
00:27:04:15	ANGELA PETERSON	Yes, ma'am.
00:27:05:03	DR. BONNI GOLDSTEIN	All right.
00:27:05:11	ANGELA PETERSON	And they — they had nothing more to offer.
00:27:06:12	DR. BONNI GOLDSTEIN	That's so scary. Yeah.
00:27:07:21	ANGELA PETERSON	It is.
00:27:08:09	DR. BONNI GOLDSTEIN	Yeah. In the state of California, my job as a medical cannabis consultant is to determine whether or not A.J. qualifies based on the law for medical cannabis.
00:27:17:03	ANGELA PETERSON	Okay.
00:27:19:02	DR. BONNI GOLDSTEIN	And he does, okay?
00:27:20:02	ANGELA PETERSON	Okay.
00:27:20:11	DR. BONNI GOLDSTEIN	So you're gonna — I'm gonna get you the letter.
00:27:22:15	ANGELA PETERSON	Okay.
00:27:23:03	DR. BONNI GOLDSTEIN	And it's — It — Everybody talks about a card. It's not a card. It's a letter. And in that letter, I make the statement that he qualifies and that I'm approving him to use it, okay?
00:27:28:17	ANGELA PETERSON	Okay. Okay.
00:27:30:23	DR. BONNI GOLDSTEIN	You've probably heard the stories of other — some of the other patients that have had brain tumors that are responding to high-dose cannabis oil.
00:27:33:22	ANGELA PETERSON	Mm-hmm. Yes, ma'am.
00:27:40:01	DR. BONNI GOLDSTEIN	There are no guarantees, because I have to tell you there's no clinical trials. There's no...
00:27:44:08	ANGELA PETERSON	Right.
00:27:45:11	DR. BONNI GOLDSTEIN	...um, "Oh, I have, uh, 10 kids with the same tumor and we studied them and half of them got placebo and half of them —" There just — It doesn't exist.
00:27:51:09	ANGELA PETERSON	Mm-hmm. Right.
00:27:53:16	DR. BONNI GOLDSTEIN	He's still within two months of being diagnosed.
00:27:55:23	ANGELA PETERSON	Right.
00:27:56:12	DR. BONNI GOLDSTEIN	It's still pretty early, right? Even though it's a fairly aggressive tumor.
00:27:59:17	ANGELA PETERSON	Right.
00:28:00:04	DR. BONNI GOLDSTEIN	You're not coming here saying, you know, "We have — You know, they gave us two weeks."
00:28:04:04	ANGELA PETERSON	Mm-hmm.

00:28:04:13	DR. BONNI GOLDSTEIN	You have some time here, which is really good.
00:28:06:09	ANGELA PETERSON	Right. Okay.
00:28:08:00	DR. BONNI GOLDSTEIN	Okay? There <i>are</i> some side effects.
00:28:10:17	ANGELA PETERSON	Okay.
00:28:11:05	DR. BONNI GOLDSTEIN	They're not like side effects of chemo, which are devastating.
00:28:14:06	ANGELA PETERSON	Right. And it's — Right.
00:28:16:17	DR. BONNI GOLDSTEIN	It's — It's, to me, nothing to be afraid of at this point, right? Because for him, I mean, you know, not to be, you know, dramatic about it, but it's life and death.
00:28:24:09	ANGELA PETERSON	Mm-hmm.
00:28:24:11	DR. BONNI GOLDSTEIN	I mean, they — You're not getting any other options here. And as a mom myself, I would do it in a heartbeat knowing what I know and seeing what I've seen.
00:28:32:16	ANGELA PETERSON	Okay.
00:28:33:00	DR. BONNI GOLDSTEIN	Okay?
00:28:33:12	ANGELA PETERSON	Yes, ma'am.
00:28:37:22	JACLYN VON HARZ	What kind of medicine are we giving her?
00:28:39:11	CECILIA VON HARZ	Um, turmeric.
00:28:41:14	JACLYN VON HARZ	Turmeric? Mm.
00:28:43:06	CECILIA VON HARZ	Yeah. She doesn't care if it's spicy. She's used to it.
00:28:48:21	JACLYN VON HARZ	Oh, what a brave girl. She's brave. And then what else do you give her?
00:28:55:04	CECILIA VON HARZ	I give her black medicine.
00:28:58:02	JACLYN VON HARZ	What do you give the black medicine on?
00:29:01:09	CECILIA VON HARZ	Ice cream.
00:29:02:11	JACLYN VON HARZ	Ice cream? What kind of ice cream?
00:29:04:10	CECILIA VON HARZ	The good kind. Watch her take her black medicine.
00:29:08:19	JIM VON HARZ	You're gonna give your baby black meds?
00:29:10:09	CECILIA VON HARZ	Mm-hmm.
00:29:12:02	JACLYN VON HARZ	I don't know...
00:29:12:11	JIM VON HARZ	What does that do?
00:29:14:06	CECILIA VON HARZ	Make the cancer go away.
00:29:17:12	JACLYN VON HARZ	I was deathly afraid when I realized we were on the oncology ward. Like, I remember them saying, "You have to wash your hands before and after you leave the room because we're in the oncology. Oncology."
00:29:25:04	<i>on-screen graphic</i>	Jaclyn & Jim von Harz

00:29:26:16	JACLYN VON HARZ	And I was like — It was like 4:00 in the morning. I'm like, "What does oncology mean? I'm sorry if I sound like — I don't know what this means." And she's like, "This is the cancer" — And then that's when it hit me that my daughter, like, literally had cancer.
00:29:36:19		[Down-tempo music plays]
00:29:37:03	<i>on-screen graphic</i>	Cecilia von Harz, Diagnosed with Wilm's Tumor
00:29:39:12	JACLYN VON HARZ	They sat me down. They're like, "This is a 97% curable rate. She's going to finish this treatment. She will go on to live a long, healthy life. The side effects are very minimal. Like, you have nothing to worry about it. Just, like, trust us. We'll get you through this. She has the best cancer that you can have." So we really did trust them.
00:29:56:18		[Music continues]
00:29:57:10	JIM VON HARZ	She went through her six months of chemotherapy, and then we went about four months out of treatment without any evidence of the disease. I remember I was at work, and I got a call from — from Jaclyn saying that, you know, she was breathing weird. Something wasn't right. So we took her in the emergency room, and she was diagnosed with stage IV, complete metastasis. Her right lung was covered top to bottom with cancer.
00:30:21:21		[Music continues]
00:30:24:14	JIM VON HARZ	And this time, she would have four medications. You have to have two new ones because, as everyone knows, um, cancer cells — they become resilient to chemotherapy. So you have to up it. It has to be stronger.
00:30:36:14	JACLYN VON HARZ	This one was much more aggressive and harsh. And right away, I mean, we could see her — I mean, just all the life that was in her was gone. She was 3 1/2 and 19 pounds.
00:30:46:19	JIM VON HARZ	Yeah. We didn't know if she would survive it. It wasn't looking very good for her, and the hospital could not guarantee her long-term survival. And so we were able to opt out of treatment, which is very rare. It was an unpopular decision. I-I personally did not believe she was gonna survive the next round of chemotherapy.
00:31:04:23		[Music continues]

00:31:08:15	JIM VON HARZ	I think my worst fear was obviously losing my daughter at home at my own hands.
00:31:13:10	JACLYN VON HARZ	And my uncle told us about the cannabis oil. He gave me some to try. Yeah. I was — I thought it was — I got liquid gold. I was like, "Let's go." [Laughs]
00:31:24:06		[Music continues]
00:31:26:05	JACLYN VON HARZ	So three months after we opted out, we did a scan, and the 4.2 was down to 1.62 millimeters. And the one that was slightly over 1 millimeter was completely gone. Of course, we believe that it was definitely the cannabis.
00:31:39:12		[Baby babbling]
00:31:39:15	JACLYN VON HARZ	Wow! Can you give him <i>besos</i> ?
00:31:43:04	JIM VON HARZ	I can honestly tell you here right now that my daughter would not be alive today if we had not done it. I-I believe 100% that she is here because of that, because of cannabinoids and because of our faith in God.
00:31:55:14		[Music continues]
00:31:59:08	ANGELA SMITH	I don't doubt that it's definitely cannabis oil, but we just don't know what's in it. I mean, one of the problems with it not being regulated and it not being controlled is that you don't know what you — I mean, you just have to trust that the people that you're getting it from are doing it the right way.
00:32:05:01	<i>on-screen graphic</i>	Angela Smith
00:32:14:16	ANGELA SMITH	Um, and I was just a bit concerned because when I opened this, it smelled kind of solvent-y. [Sniffs] But they said to leave it out to breathe. But it will be interesting to know what the components of this were. It shouldn't be like that, should it? There should be a place where you can go to and you can get advice, you can get it tailored to their — to the treatment, tailored to "This one at night. This one in the morning." I mean, it should be available, and it just isn't. And that's why we're all floundering in the dark, really.
00:32:43:21	WOMAN	Here you go, sweetie.
00:32:43:23	ANGELA SMITH	[Laughs]
00:32:45:19	ANGELA SMITH	So sorry.
00:32:46:02	TRACY RYAN	Hey. How are you? It's okay.
00:32:47:01	ANGELA SMITH	Are you Tracy?
00:32:47:20	TRACY RYAN	Yes. Nice to meet you.

00:32:48:11	ANGELA SMITH	Oh. So good to meet you.
00:32:50:02	TRACY RYAN	Come on in.
00:32:50:05	ANGELA SMITH	I'm so sorry it's taken me so long to get here.
00:32:50:17	TRACY RYAN	That's okay. That's okay.
00:32:52:10	TRACY RYAN	This is Dr. Raber.
00:32:53:11	ANGELA SMITH	Hi. I've heard so much about you.
00:32:53:15	DR. JEFFREY RABER	Angela. You can call me Jeff.
00:32:55:06	ANGELA SMITH	Oh, good. [Laughs]
00:32:56:08	DR. JEFFREY RABER	My job is public health and safety — to make sure there's nothing here, like solvents or pesticides or, you know, microbiological contaminants that could cause harm in those fashions.
00:33:05:19	ANGELA SMITH	We've been kind of doing it in the dark, really.
00:33:07:09	DR. JEFFREY RABER	Yeah.
00:33:07:11	ANGELA SMITH	So I'll be really grateful to hear your...
00:33:09:09	DR. JEFFREY RABER	Yeah. Uh, so, I mean, in the information age, you can get a lot of bad information and some good info.
00:33:10:21	<i>on-screen graphic</i>	Jeffrey Raber, PhD, Organic Chemist
00:33:14:01	ANGELA SMITH	Well, that's the problem. Yeah. That, to me — It's a little bit solvent-y, but it's not too bad. Do you think that's horribly solvent-y?
00:33:20:21	SOPHIE RYAN	[Babbling]
00:33:21:01	TRACY RYAN	That smells really — I mean, you can let Jeff smell it, but it smells very solvent-y to me.
00:33:23:01	ANGELA SMITH	Maybe that was it.
00:33:24:02	JOSH RYAN	Oh. Yeah, there's something. Something different.
00:33:28:14	TRACY RYAN	I mean, do we —
00:33:29:05	DR. JEFFREY RABER	Well, there's definitely a little alcohol, but it smells like rubbing alcohol.
00:33:32:15	TRACY RYAN	Yeah.
00:33:32:17	ANGELA SMITH	Smell that one.
00:33:32:23	DR. JEFFREY RABER	Not like ethanol.
00:33:33:15	ANGELA SMITH	That one's worse. Try that one. That one stinks. That one I thought wasn't too bad.
00:33:38:08	DR. JEFFREY RABER	No. That's rubbing alcohol. That's isopropanol. You should not be eating that. No. That's no good. They — And they do use that.
00:33:45:03	TRACY RYAN	Oh! That <i>is</i> rubbing alcohol.
00:33:45:15	DR. JEFFREY RABER	That's very — It's rubbing alcohol. That's not ethanol. No.
00:33:49:06	ANGELA SMITH	That's not food-grade alcohol.

00:33:50:01	TRACY RYAN	That smells like — That smells like the alcohol —
00:33:51:01	JOSH RYAN	And you're — you're giving him the —
00:33:52:19	ANGELA SMITH	No, not that one. No.
00:33:53:19	JOSH RYAN	Oh.
00:33:54:12	DR. JEFFREY RABER	I don't know if you've given him tremendously large amounts that you need to be concerned about complete damage. But it will, you know, be more difficult on the liver to metabolize that, and it could cause damage to certain cells. When they're on chemo and they're on other medications, the liver's already on — you know, it's pretty busy.
00:34:07:01	TRACY RYAN	Yeah.
00:34:10:03	ANGELA SMITH	Yeah. Yeah.
00:34:11:06	DR. JEFFREY RABER	So we don't want to make it worse.
00:34:12:16	TRACY RYAN	Worse.
00:34:12:22	ANGELA SMITH	Right.
00:34:13:06	TRACY RYAN	Chico's not gonna — He's okay.
00:34:14:14	ANGELA SMITH	Okay.
00:34:15:06	DR. JEFFREY RABER	Yeah.
00:34:15:17	JOSH RYAN	[Sighs]
00:34:16:06	TRACY RYAN	And here's the other travesty — \$3,000.
00:34:19:14	ANGELA SMITH	\$3,300.
00:34:20:03	DR. JEFFREY RABER	Wow.
00:34:20:22	TRACY RYAN	\$3,000 for — for those three tiny little pots.
00:34:23:21	DR. JEFFREY RABER	That's disturbing.
00:34:24:05	SOPHIE RYAN	[Babbling]
00:34:25:00	ANGELA SMITH	I know.
00:34:25:15	DR. JEFFREY RABER	A lot. It's the hardest part of what we do, 'cause I always have to be the disseminator of bad news.
00:34:30:17	TRACY RYAN	If the government will let us start testing it for medicinal purposes, that will help as well.
00:34:33:23	DR. JEFFREY RABER	Yeah.
00:34:34:11	TRACY RYAN	Because right now — and correct me if I'm wrong — they're only allowing tests to happen that show how it can hurt you, not how it can help you, and that —
00:34:41:03	DR. JEFFREY RABER	I believe it was — Yeah, 6% of the studies are currently funded for good purposes, and 94% are looking at bad purposes.
00:34:42:11	JOSH RYAN	Yeah.
00:34:48:11	TRACY RYAN	For bad. Yeah.
00:34:50:04		[Down-tempo music plays]

00:34:51:00	ETHAN NADELMANN	The U.S. National Institute on Drug Abuse, NIDA, funds the vast majority of drug-abuse research not just in the United States, but in the world.
00:34:59:05	<i>on-screen graphic</i>	Ethan Nadelmann, Founder, Drug Policy Alliance
00:34:59:05	ETHAN NADELMANN	The way they encourage scientists and researchers was all about trying to identify harms.
00:35:04:17	DR. SUNIL AGGARWAL	Congress, in 1970, placed marijuana in the Schedule I category — high potential for abuse, no medical use in treatment.
00:35:14:02	ETHAN NADELMANN	Marijuana is in the same category with heroin and LSD. Cocaine is in a lower category — Schedule II — because it has "legitimate medical uses" in some limited areas.
00:35:24:13		[Mid-tempo music plays]
00:35:24:23	DR. AMANDA REIMAN	Unfortunately, we still have this block of the Schedule I status. So the federal government is telling us there's not enough research on cannabis to deschedule it from Schedule I, and then they're saying, "But we can't — You can't do research because it's Schedule I."
00:35:31:13	<i>on-screen graphic</i>	Amanda Reiman, PhD, Drug Policy Expert
00:35:39:01	DR. AMANDA REIMAN	So it's put us in this really horrible position.
00:35:42:05		[Music continues]
00:35:42:11	DR. SUNIL AGGARWAL	The DEA is blocking recognition that this is science on marijuana's medical efficacy. And you — you just can't be in the dark about that and say there's no currently accepted medical use in treatment in the United States. That's — And no standard for safety. That's — That's a lie.
00:35:57:00	DR. DONALD ABRAMS	The first evidence that cannabis may have anti-cancer activity actually came from our National Cancer Institute in 1974. But mysteriously, those lines of investigation disappeared.
00:36:10:11	ANGELA HARRIS	I started downloading studies like five years ago. There were like 450 just on reference breast cancer. And now there's — there's maybe 30 on there. Where'd all those go? Where'd they go? Why did they go off pubmed.gov? Why is the government taking those studies off?
00:36:26:00	DR. AMANDA REIMAN	Luckily, there's research going on in other countries that hopefully it will be able to use to make a case to deschedule marijuana in the United States.

00:36:35:12		[Birds chirping]
00:36:37:12		[Down-tempo music plays]
00:36:41:04	YOHAI GOLAN GILD	There are no prescriptions in America. There's recommendations. Doctors aren't allowed to prescribe cannabis. They're allowed to recommend it. In Israel, every one of the patients is prescribed cannabis. It's a federal license. And because it's a federal license, the growers grow federally.
00:36:57:11	<i>on-screen graphic</i>	Yohai Golan Gild, Medical Cannabis Provider
00:36:58:09	YOHAI GOLAN GILD	The patients use federally. So research that's overseen by the federal government is then being conducted. So you don't have that block. So the research started here in the '60s. We — We were gifted with Professor Mechoulam. He isolated the cannabinoid THC.
00:37:17:12	DR. RAPHAEL MECHOULAM	How come morphine had been isolated from opium 150 years previously, and cocaine had been isolated from coca leaves 100 years previously, and the active compound in cannabis had never been isolated in pure form?
00:37:21:02	<i>on-screen graphic</i>	Raphael Mechoulam, PhD, Professor of Medicinal Chemistry, Hebrew University of Jerusalem
00:37:33:15	DR. RAPHAEL MECHOULAM	Its structure was unknown, so it was impossible to do any biological work. In science, Israel is a very liberal country. While in the U.S., it was very difficult to do cannabis work, here we had absolutely no problems.
00:37:51:01		[Music continues]
00:37:54:06	<i>on-screen graphic</i>	Technion, Israel Institute of Technology, Haifa, Israel
00:37:59:20	YOHAI GOLAN GILD	Dedi is the epitome of science, the go-by-the-book, study-for-your-eight-PhDs, and work-on-curing-cancer type of guy working with cannabis, which is unheard of today.
00:38:14:18	DR. DAVID MEIRI	When you, uh, put cannabis extract, or THC and CBD, which are the main cannabinoids in the extract, it can really kill the cancer in a way we call apoptosis.
00:38:18:13	<i>on-screen graphic</i>	David "Dedi" Meiri, PhD, Cancer Biologist & Researcher
00:38:25:03	<i>on-screen graphic</i>	APOPTOSIS
00:38:26:07	DR. DAVID MEIRI	Actually, the cells commit suicide.
00:38:26:11	<i>on-screen graphic</i>	CANCER CELLS

00:38:28:18	DR. DAVID MEIRI	<p>Every cells in our body have, like, a checkpoint that they are checking if there is a problem. And if there is a problem, they will kill themselves. They will commit suicide. So what we see that cannabis is giving the cancer cells back this ability that they lost. In the first row, we can see colon cancer cell lines growing in the plate. Every dots like this, it's just cells. When we're adding cannabis strain number 3, CB3, we see all the cells are dying here — 100% of the cells dying here. What is even more interesting in this image — When we are growing colon cells, which are not cancer cells, and we're adding strain number 3, nothing has happened, okay? When we're adding the same strain to the colon cancer cells, they died. When we're adding it to the normal cells, they are not dying. It's not affecting them. The same thing with strain number 4. In this image, it's very important we see we're adding strain number 3 and 4 that kill the colon cancer and the breast cancer. Here it's not affecting the prostate cancer. So it's very important to understand which materials we have in these strains. What are the pattern of cannabinoids and terpenes there, and why it's affecting one cancer and not the other.</p>
00:39:50:22		[Mid-tempo music plays]
00:39:54:02	DR. MANUEL GUZMAN	We — We've been in the field of cannabis for about 20 years.
00:39:55:02	<i>on-screen graphic</i>	Complutense University, Madrid, Spain
00:39:57:04	DR. CRISTINA SANCHEZ	<p>When we started to do experiments, uh, with cancer cells, and we were expecting other results. We were doing metabolic studies, and what we saw was something completely una— unexpected.</p>
00:40:05:19	<i>on-screen graphic</i>	Manuel Guzman, PhD, Biologist/Cancer Researcher
00:40:05:19	<i>on-screen graphic</i>	Cristina Sanchez, PhD, Biologist/Cancer Researcher

00:40:08:19	DR. CRISTINA SANCHEZ	We were killing cancer cells. So these are one of the first experiments we performed with animals. We treated immune-deficient mice. So we injected glioblastoma human cells underneath the skin, and we generated these tumors. And half of the animals were treated with cannabinoids — in this case with THC — and the other half received no cannabinoid treatment. The tumors of these animals that were not treated with cannabinoids are way bigger than these other tumors. More recently, we have been working on breast cancer.
00:40:43:05		[Mouse clicks]
00:40:45:00	DR. CRISTINA SANCHEZ	And — And here we represent tumor volume, how big the tumors are, as time passes. And this is how tumors that are not treated with cannabinoids behave. They grew. And this is the THC-treated population, where, as you can see, they have less metastasis in the lungs, and they have less tumors per animal than the control group. So it works pretty well.
00:41:08:18	DR. MANUEL GUZMAN	We are also realistic, and we know that there are many therapies that have worked finely in mice, and then they fail when they go to humans. Of course, we need robust clinical trials to get to know, finally, at last, whether cannabinoids can be or not on a tumor against imprecise patients or populations.
00:41:28:23	TRACY RYAN	[Whispering] Good morning, Sophie. Hi, my love. Want to turn that light up a little? Oh, big stretch.
00:41:37:02	JOSH RYAN	Good morning, honey.
00:41:38:10	TRACY RYAN	So today is, um, the big day. Today is the first scans that we're gonna be getting to see if, um, what we're doing is working.
00:41:46:01		[Indistinct conversations]
00:41:50:02	JOSH RYAN	You're gonna get a nice nap, Sophie.
00:41:52:02	TRACY RYAN	Yeah, baby doll. You're gonna get to go to sleep really soon.
00:41:54:14	JOSH RYAN	You're gonna get a nice little nap, baby girl. Hi.
00:41:57:22		[Indistinct conversations]
00:42:05:05		[Window whirring]
00:42:05:20	TRACY RYAN	So we're headed home from scan day.
00:42:08:00	SOPHIE RYAN	[Crying]

00:42:09:18	TRACY RYAN	Sophie is very unhappy. The anesthesia is making her really super cranky, and she's tired. And the radiologist said that she would read them by the end of the day today. So we're hoping to get information pretty quickly.
00:42:24:10	SOPHIE RYAN	[Crying]
00:42:25:16	TRACY RYAN	Hello?
00:42:26:16	DR. JERRY CHENG	Hi, Tracy. It's Dr. Cheng.
00:42:28:17	TRACY RYAN	Hi. Hold on. I'm trying to get it on speaker phone. Can you hear me?
00:42:32:02	DR. JERRY CHENG	Oh, okay. Hi, guys. Yeah.
00:42:33:12	JOSH RYAN	Hi.
00:42:34:00	DR. JERRY CHENG	So, uh, I'm not sure if you got a chance to glance at the MRI.
00:42:36:09	SOPHIE RYAN	[Crying]
00:42:37:03	DR. JERRY CHENG	Um, you know, unfortunately, it does look a little worse than it did, um, back in June.
00:42:41:12	TRACY RYAN	So that means we got to start chemo ASAP?
00:42:43:21	DR. JERRY CHENG	I think our trajectory is, unfortunately, chemo.
00:42:46:10	TRACY RYAN	[Voice breaking] So when do we have to start?
00:42:48:02	DR. JERRY CHENG	I think we can start this week. And then we can spend some time in the office and go over everything again.
00:42:49:15	TRACY RYAN	[Sobs] Fuck.
00:42:56:10		[Cellphone beeps]
00:42:57:05	TRACY RYAN	[Sobs]
00:42:58:06		[Down-tempo music plays]
00:43:03:12	TRACY RYAN	It's not smaller. It's not stable. And that means chemo. Which is just — It's, like, really, really, really hard to imagine what that's gonna be like.
00:43:18:09	MARA GORDON	Okay. Here's the good news. We're very, very far away from where we want to be. It's — It's not like we had her on this really high dose and it didn't work.
00:43:28:22	TRACY RYAN	Right.
00:43:29:18	MARA GORDON	We're gonna have to play around with it till we find how Sophie's most comfortable with it.
00:43:33:19		[Music continues]
00:43:34:05	TRACY RYAN	We're 100% gonna keep using the cannabis moving forward. You know, now we're gonna increase her not only just because I believe it will work alongside the chemo, but it will also counteract the side effects of the chemo.
00:43:48:08	TRACY RYAN	There we go.

00:43:49:10	TRACY RYAN	I don't think that cannabis has failed us. I think that we don't have her dose right. We're in uncharted waters. We're lab rats.
00:44:03:12		[Engine shuts off]
00:44:03:22	ANGELA SMITH	You must be Mara.
00:44:04:22	MARA GORDON	I am Mara. Hello, Angela.
00:44:06:01	ANGELA SMITH	Nice to meet you.
00:44:07:19	MARA GORDON	Oh, my pleasure! Nice to meet you in person.
00:44:11:07	ANGELA SMITH	Yeah.
00:44:11:20	MARA GORDON	Doctors will call us — We had one doctor that called me a cannabis doula.
00:44:16:09	CHICO RYDER	[Grunts, inhales sharply]
00:44:17:02	MARA GORDON	You know, and, like — I think Jeff called me, like, a cannabis midwife, actually.
00:44:20:03		[Indistinct conversations]
00:44:25:07	MARA GORDON	Oh, wow.
00:44:25:22	ANGELA SMITH	Take a smell.
00:44:27:01	MARA GORDON	Oh, I don't even — I just — can just see it, first of all, the thinness.
00:44:30:10	ANGELA SMITH	They did say you have to let it breathe.
00:44:33:10	MARA GORDON	Who said?
00:44:34:09	ANGELA SMITH	The person that I bought it from.
00:44:36:01	MARA GORDON	This is alcohol. This is just pure alcohol in here with a little bit of cannabis diluted in it.
00:44:37:21	<i>on-screen graphic</i>	Mara Gordon, Founder, Aunt Zelda's Inc.
00:44:43:13	MARA GORDON	Okay. Here's what I've brought. For example, this is the high, uh, THC.
00:44:48:17	ANGELA SMITH	Right.
00:44:49:07	MARA GORDON	This is the one that Stewart made.
00:44:49:22	ANGELA SMITH	Is that labeled?
00:44:50:22	MARA GORDON	Everything's labeled.
00:44:53:14	MARA GORDON	Can you put your feet down or no? No? Where's the pain the most?
00:44:58:08	CHICO RYDER	In my stomach and my head.
00:45:01:12	MARA GORDON	In your head? This oil that we made is a little — is different. It's a little different.
00:45:04:22	CHICO RYDER	Mm-hmm.
00:45:06:04	MARA GORDON	It's stronger.
00:45:07:08	CHICO RYDER	Mm-hmm.
00:45:08:02	MARA GORDON	And it doesn't have all that alcohol in it. That alcohol could be burning your stomach, too.
00:45:12:22	CHICO RYDER	Mm-hmm.

00:45:14:02	MARA GORDON	So, any questions you have? Any concerns? Any anything? But I want to know all the adjectives and all the adverbs — how you're feeling — any — anything — anything that doesn't seem right or whatever.
00:45:27:20	CHICO RYDER	Mm-hmm.
00:45:30:02	MARA GORDON	And if this strain doesn't work it, we'll try another strain.
00:45:32:06	CHICO RYDER	Mm-hmm. Mm.
00:45:34:10	MARA GORDON	There's 4,500 strains, and we'll find one that helps.
00:45:37:14	CHICO RYDER	Wow.
00:45:39:19	MARA GORDON	We have probably the most paperwork of anyone I know, of any — any collective. We tell people right off the bat we're collecting their data. We're — We are expecting to use the data to help find solutions for diseases and for — you know, to help to use it for other people. It's all just experimentation at this point.
00:46:09:05	MARA GORDON	Okay.
00:46:10:16	ANGELA PETERSON	All right. Is that better?
00:46:12:11	MARA GORDON	There. [Laughs] You've had a lot on your plate over the last couple of weeks.
00:46:14:03	<i>on-screen graphic</i>	Angela & Adrian Peterson
00:46:17:06	ANGELA PETERSON	Yes, ma'am.
00:46:17:14	MARA GORDON	And I'm here to answer any questions you have and walk you through what we're gonna do. One of the syringes I sent you was Hindu Kush.
00:46:25:08	ANGELA PETERSON	Okay.
00:46:25:16	MARA GORDON	And the other one is something called Yummy.
00:46:28:20	ANGELA PETERSON	Okay. I see now.
00:46:31:09	MARA GORDON	And it's a two-to-one CBD to THC.
00:46:36:04	ANGELA PETERSON	So you said that the Yummy is higher in CBD? Am I hearing you right?
00:46:39:07	MARA GORDON	Yes.
00:46:39:21	ANGELA PETERSON	Okay.
00:46:40:12	MARA GORDON	Yes. The Hindu Kush is a high THC. And I'm not sure which one is gonna do better. After an hour, maybe two hours, just see how he does. I mean, you're his mom and dad. You guys are...
00:46:53:05	ANGELA PETERSON	Right.
00:46:53:20	MARA GORDON	You really know your son.
00:46:55:03	ANGELA PETERSON	Right.
00:46:55:14	MARA GORDON	You don't have to worry about him taking too much, and in a matter of hours, it'll be over.

00:47:00:15	ANGELA PETERSON	Okay.
00:47:01:01	MARA GORDON	There's nothing that you do to screw it up other than to not give him his medicine.
00:47:05:01	ANGELA PETERSON	Okay.
00:47:05:03	ADRIAN PETERSON	Okay. That's what I wanted to hear. That makes me feel better.
00:47:07:18	MARA GORDON	Yeah.
00:47:09:00	ANGELA PETERSON	Okay.
00:47:09:18	MARA GORDON	You cannot hurt him.
00:47:11:00	ANGELA PETERSON	Yes.
00:47:11:20	MARA GORDON	He would have to probably take a pound of oil at once. The body cannot overdose on cannabis.
00:47:20:16	ADRIAN PETERSON	A little bit. That's all you got to take. Do I put it on his tongue?
00:47:24:00	ANGELA PETERSON	Under his tongue.
00:47:24:08		[Computer chimes]
00:47:25:00	ADRIAN PETERSON	Under the tongue. Just lick it off. Lick it off. Lick it off. Lick it off.
00:47:33:13	ANGELA PETERSON	How did that taste?
00:47:35:18	A.J. PETERSON	A little good.
00:47:37:00	ANGELA PETERSON	Okay.
00:47:37:02	ADRIAN PETERSON	Okay. A little good. Yeah.
00:47:38:16	ANGELA PETERSON	[Chuckles] All right. Good job, A.J.
00:47:41:21	ADRIAN PETERSON	Go ahead, have some fun.
00:47:42:07	ANGELA PETERSON	Let's have some fun.
00:47:43:19	ADRIAN PETERSON	[Laughs]
00:47:44:09	ANGELA PETERSON	[Laughs]
00:47:44:20	A.J. PETERSON	Hey!
00:47:46:03	ADRIAN PETERSON	Dad ready to have some fun, too.
00:47:47:17	A.J. PETERSON	Okay!
00:47:52:08	ANGELA SMITH	We just so happened to have a couple of salsa bottles. And so I threw the salsa away, and...
00:47:58:02	CHICO RYDER	You didn't eat it?
00:47:59:18	ANGELA SMITH	Well, we ate some of it, but, um, I commandeered the jars.
00:48:03:00	CHICO RYDER	[Laughing]

00:48:03:02	ANGELA SMITH	So — [Laughs] And the Tostitos, I put the THC oil in because I thought "T" and "T." And then there wasn't any cannabis that began with an "M." Oh, I should have put — I should have said "marijuana," shouldn't I? But the CBD's in the other one. But I actually did label them wrongly. Anyway, we've been playing with them a little bit because we're trying to get him to eat, and THC promotes appetite, and CBD, um, stops your appetite. So we've been messing with the proportions. But we've kind of stuck to two to three now. Three THC, two CBD. [Chuckles] You woke up giggling yesterday morning, didn't you? And Mara was very pleased.
00:48:40:16	CHICO RYDER	Yeah.
00:48:41:04	ANGELA SMITH	[Chuckles]
00:48:43:06	MARA GORDON	How do you feel now?
00:48:44:08		[Indistinct conversations on television]
00:48:44:18	CHICO RYDER	Good.
00:48:45:18	MARA GORDON	You look good.
00:48:46:15	CHICO RYDER	Mm-hmm.
00:48:48:12	MARA GORDON	Yeah.
00:48:49:04	CHICO RYDER	Mm-hmm.
00:48:49:19	MARA GORDON	Right on. Well, that's good.
00:48:52:12	NURSE	Chico, we're gonna see how it feels, okay, if it's ready. We left a little extra time on it. Be right back. I'm gonna get you a mask, okay?
00:48:59:02	NURSE	Where's your ear, Chico?
00:49:00:06	MARA GORDON	Here.
00:49:00:16	NURSE	Missing.
00:49:02:17	MARA GORDON	There you go.
00:49:05:00	ANGELA SMITH	I was gonna say he likes sticking his nails in.
00:49:07:16	MARA GORDON	Squeeze me or dig into me as hard as you want to.
00:49:10:09	NURSE	Okay. I just want to find it.
00:49:11:11	CHICO RYDER	[Groaning]
00:49:12:10	NURSE	I know.
00:49:13:02	MARA GORDON	One, two, three. There you go. Perfect. Perfect, perfect, perfect.
00:49:18:05	NURSE	No. It's already done.
00:49:18:17	MARA GORDON	There you go.
00:49:19:21	NURSE	It's done.
00:49:20:01	MARA GORDON	There you go.
00:49:20:16	NURSE	It's already done.
00:49:21:05	MARA GORDON	There you go. It's over.

00:49:22:14	CHICO RYDER	[Groaning]
00:49:24:08	NURSE	It's all done. I'm done. I'm done. That's it. It's all over. You did fantastic.
00:49:31:11	CHICO RYDER	[Coughing]
00:49:32:13	NURSE	It's all done. It's all done. Breathe, Chico. It's all done.
00:49:36:15	ANGELA SMITH	Oh. See?
00:49:39:04	MARA GORDON	Blow.
00:49:40:08	CHICO RYDER	[Crying]
00:49:41:03		[Indistinct conversations]
00:49:45:08	ANGELA SMITH	Chico had a really horrible, harsh chemotherapy regime. It was very punishing, and he had 28 daily radiation sessions over, like, a five- or six-week period. He was probably in hospital more days than he wasn't in hospital. Luckily, we're in a legal state. It would have caused way, way more stress to try and do this illegally and behind the backs of the doctors. At least everything was aboveboard. Everything was up front. I just find it absolutely staggering to accept that in this day and age, with the billions of dollars that's spent on cancer research that the medicine that we were relying on is made in somebody's kitchen.
00:50:21:23	ANGELA SMITH	Now what?
00:50:22:12	NURSE	All good?
00:50:23:12	MARA GORDON	I just want to get you home and get you back, you know, normal.
00:50:30:14		[Down-tempo music plays]
00:50:30:20	CHICO RYDER	Mm-hmm.
00:50:31:19	MARA GORDON	Mm.
00:50:31:21	ANGELA SMITH	[Chuckles]
00:50:35:19		[Music continues]
00:50:36:08	TRACY RYAN	Ball. Book.
00:50:40:05	TRACY RYAN	So I've already started the dose. She gets a much larger dose now. She's almost at a gram a day, a one-to-one ratio of CBD to THC. So we got her up, um, to the cancer-killing dose. She's completely acclimated to it. Has no side effects, no sleepiness. You would never know she's taken anything.
00:50:58:10		[Music continues]
00:50:58:12	JOSH RYAN	Downward —
00:50:58:14	TRACY RYAN	Come on, baby. Oh! You can do it, honey!
00:51:01:06	JOSH RYAN	Yeah. You got it!
00:51:02:09	TRACY RYAN	Come see Mama!
00:51:03:05	JOSH RYAN	You got it!

00:51:03:23	TRACY RYAN	Yeah! Whooh! Oh! Good job, honey! You okay, pumpkin pie?
00:51:11:14	TRACY RYAN	We went in, and they said, you know, "These tumors hit such a growth spurt that we need to do a biopsy and we need to make sure that this isn't a high-grade glioma." So then we had to schedule brain surgery. And luckily, all the tissue samples came back low-grade.
00:51:27:17	SOPHIE RYAN	[Babbling]
00:51:27:19	TRACY RYAN	She hasn't had the best day today. Um, we're gonna have to do some IV fluids, and, uh, she's not drinking a whole lot, which is all part of the chemo. We're on day five. It's kind of weird that it's so delayed, but she's not been doing too bad overall.
00:51:40:00	SOPHIE RYAN	[Crying]
00:51:44:05	TRACY RYAN	Come on, baby. Open. [Gasps] Mmm! Big bite! Yay! Good girl! There she goes.
00:51:50:16	TRACY RYAN	You ready for some amazing results? This will be the second scan since we started chemo and have been at high doses of cannabis.
00:51:58:10	SOPHIE RYAN	[Exhales sharply]
00:52:01:18	TRACY RYAN	See? So now we just wait.
00:52:03:09	SOPHIE RYAN	[Crying]
00:52:04:06	TRACY RYAN	We wait for the good news, don't we, baby? She's hoarse from them putting a tube down her throat.
00:52:11:23	TRACY RYAN	We just got the call! [Laughs]
00:52:13:16	JOSH RYAN	[Exhales deeply]
00:52:15:16	TRACY RYAN	There is some cell death! The tumor is actually dying in certain areas. There's no new growth. And — And — It's — They said that they would like to be able to take credit for — for it all, but they just don't know if they can. I'm just thrilled. This is the most amazing news we could have ever gotten. [Chuckles]
00:52:32:07	JOSH RYAN	[Sniffling]
00:52:35:23	TRACY RYAN	She's gonna be okay! She's gonna be okay! She's gonna be okay! She's gonna be okay! Oh, my God.
00:52:42:15	JOSH RYAN	I mean, it's — We still have a battle ahead of us. We're still gonna have to do chemo, but I can actually see the future.
00:52:45:02	ALL	[Singing] Happy birthday, dear Sophie.

00:52:49:09	JOSH RYAN	I can see walking little Sophie down the aisle and — and, uh... [Voice breaking] ...you know, taking her to her first dance recital and all those things that you want to do.
00:52:58:18		[Music continues]
00:53:00:06	JOSH RYAN	It's a good feeling.
00:53:06:11		[Down-tempo music plays]
00:53:12:11	NURSE	It's 5 milligrams of Oxy, okay?
00:53:16:11	ANGELA SMITH	He was addicted to opiates. He had to have Dilaudid when he was in the hospital to manage the pain, and that had created an opiate dependency. So they put him onto methadone to transition him off it. I fought and fought and fought them putting him on methadone for months and months and months. Finally, I caved in. And I knew that if I just managed to get him home, I could have got him off the opiates with oxycodone and cannabis oil 'cause I'd done it so many times before. I caved in and agreed to put him on methadone, and it was a nightmare.
00:53:47:09	WOMAN	Your mom's here. We're — We're taking a pause right now.
00:53:50:07	CHICO RYDER	[Sobbing]
00:53:50:14	WOMAN	We're taking a break.
00:53:50:15	ANGELA SMITH	Chico.
00:53:51:10	WOMAN	You're okay.
00:53:52:06	ANGELA SMITH	Chico, want me to get some paper? Yeah?
00:53:55:23	CHICO RYDER	[Sobbing]
00:53:58:02	CAROL COSTELLO	Would you let a first- or second-grader or any child use medical marijuana?
00:54:02:23	DR. SANJAY GUPTA	We do know in people who start before the age of 15 and keep doing it throughout their life, even sporadically, tend to have an impact later on in life. They lose about 8 IQ points on average. Again, these are hard studies to come by. That was a study out of the Netherlands.

00:54:15:23	ANGELA SMITH	How does methadone affect the developing brain? How does Dilaudid affect the developing brain? How do these heavy-duty opiates that they prescribe willy-nilly to children — Nobody looks at the effects of those types of medicines on the developing brain. And I can tell you for sure that a kid who's on methadone is <i>way</i> , way lower in terms of their mental capacity and functioning. And the best thing we ever did was get Chico weaned off methadone as fast as we could, and we did that with the help of the oil. We titrated the methadone down as the oil came up. And we saw his mental capacity return as the methadone went away, even though the cannabis oil was coming up. That's why I'm not really taking very seriously the, uh, the IQ-point argument. But even if it's true, frankly, it's a small price to pay.
00:55:04:00		[Music continues]
00:55:07:23	CHRIS KEPHART	When we started the oil, it was right after surgery. He was in so much pain. Every morning, she leaves at 4— 5:30 in the morning.
00:55:16:20	<i>on-screen graphic</i>	Sheila & Chris Kephart
00:55:17:23	SHEILA KEPHART	5:30 in the morning.
00:55:19:10	CHRIS KEPHART	When he would wake up, he would be crying in bed, screaming for me. He was in so much pain, and I would give him two OxyContin at 6:00 in the morning. Two to three hours later, I would give him two Norco. Two to three hours later, I would give him either Advil, Motrin, Excedrin — anything I could give him to get to that next span of giving him two more OxyContin. And then two more Norco. And we were doing this around the clock the entire time.
00:55:50:00	SHEILA KEPHART	Yep. And he wasn't eating, and he was vomiting all the time.
00:55:55:20	CHRIS KEPHART	Yes.
00:55:56:21	SHEILA KEPHART	But you know what's amazing is, you know, when she brought us home and — and she says it's a sesame-seed size — you know, half of — And you look at that. You look at what size that is.
00:56:08:14	CHRIS KEPHART	It's nothing.
00:56:09:16	SHEILA KEPHART	And I-I — I looked at him and said, "This isn't gonna work." You know, I-I felt like we wasted our money.

00:56:17:00	SHEILA KEPHART	Hi, Monkey. What are you doing?
00:56:19:05	A.J. KEPHART	Oh, getting some orange juice.
00:56:21:10	SHEILA KEPHART	Within three days, he was off all the pain pills. He was eating.
00:56:26:14	CHRIS KEPHART	It was like —
00:56:26:23	SHEILA KEPHART	I was like, "Wow."
00:56:28:10	CHRIS KEPHART	It was like Monday or Tuesday...
00:56:28:12	SHEILA KEPHART	I'm amazed. Amazed.
00:56:31:06	CHRIS KEPHART	...when we started it. By Friday, he was taking one OxyContin all day. And it was just like, "Something's happening. I don't know what, but something's..."
00:56:41:10	SHEILA KEPHART	Yeah.
00:56:43:04	CHRIS KEPHART	"It's good."
00:56:44:07	DR. AMANDA REIMAN	There are so many people out there that could use this medicine and they— where it can improve their lives, where they are so far off from having access, and in the meantime, they're just being fed a steady stream of pharmaceutical drugs. And year after year, we see the number of people dying from accidental overdose due to pharmaceutical drugs get higher and higher.
00:57:04:14	ETHAN NADELMANN	It's remarkable. When you look at this explosion of research studies coming out about the way in which marijuana is reducing the problems with opioids and other pharmaceuticals.
00:57:18:19	YOHAI GOLAN GILD	80% of the prescription drugs are made from opiates. And I think as the world learns and understands that it's addicted to heroin, to opiates, I think that the world once over will learn how to free itself.
00:57:24:13	<i>on-screen graphic</i>	Yohai Golan Gild, Medical Cannabis Provider
00:57:33:07	YOHAI GOLAN GILD	But right now, the science is being blocked, and it's being blocked by big pharma not wanting the science to — to succeed.

00:57:40:21	JIM VON HARZ	In the big picture, the pharmaceutical industry, which controls the medical community — It's a big money-driven machine. You have these people, they're — they're using morphine, they're using fentanyl, all these drugs that are respiratory depressants that, in themselves, can accidentally inherently kill you, but because it's prescribed by the hospital, because it originates from our pharmaceutical industry, it's accepted by society. And this has this reputation for — for recreational use, and it's, by technicality, a Schedule I narcotic.
00:58:07:17	<i>on-screen graphic</i>	Jaclyn & Jim von Harz
00:58:13:11	JIM VON HARZ	It's, you know — It's a little, like I said, infuriating because, you know, for us, it's — we're using it to save our child's life.
00:58:19:21	JACLYN VON HARZ	Okay, Cecilia. We've got to take your black medicine, okay?
00:58:23:12	CECILIA VON HARZ	Okay. And then get, uh, ready all by myself again?
00:58:28:05	JACLYN VON HARZ	Yeah. That's a good idea.
00:58:29:17	CECILIA VON HARZ	You don't have to get me ready anymore because I'm a big girl. You don't have to get me ready anymore.
00:58:37:09	JIM VON HARZ	So, this is Aunt Zelda's. We use a one-to-one ratio of THC to CBD, which is what most cancer patients use. When she was very sick, at her highest, um, she was — we were about — at about \$3,000 a month in oils. Um, now that we're down to a maintenance dose, it's roughly about \$1,500 a month.
00:58:56:01	JACLYN VON HARZ	It's more than our rent. [Laughs]
00:58:56:23	JIM VON HARZ	Yeah. [Chuckles]
00:58:58:00	JACLYN VON HARZ	So, I mean, literally, we sold bikes, we sold —
00:59:02:00	JIM VON HARZ	Everything.
00:59:02:02	JACLYN VON HARZ	Ju— Just whatever we could.
00:59:03:11		[Down-tempo music plays]

00:59:08:12	JIM VON HARZ	You know, I was very maxed out at this point, working as much overtime as I could. So I just kind of asked, "What do guys do on the job when they get sick? Because we're doing something completely alternative. We're not using our insurance anymore." So that next day, they got in touch with a charitable organization called the Fire Family Foundation. Up front, they were willing to pay for a month of supplements, and I was a little apprehensive. I'm like, "Um, let me just be clear on what we're talking about here. Um, you know, we're talking about medical marijuana. This is cannabis." And they were like, "That's fine. That's — We know. We're happy to do that for you."
00:59:44:04	MAN	We came up with a plan to figure out how we could get some extra funds for Jim. When he told me about the cannabis treatment, I was like, "You know what? You're gonna do what it takes. And I'm sure if it was my daughter, I'd probably do the same thing."
00:59:56:23		[Music continues]
00:59:58:09	JIM VON HARZ	We're humble, prideful people. I mean, I'm — I'm too — too humble. You — You know, I'm maxed out. There's nothing else I can possibly do. And if you don't reach out, sh— you know, your — your child's not gonna get her medication. She's not — She's gonna die, you know? So...
01:00:13:07	JACLYN VON HARZ	It's heartbreaking to see that there's something that can help your child and you can't get it. Um, for these parents, I can't imagine. I mean, we — I mean, we've been in that situation, and doors just keep getting opened, and it's amazing and we're blessed beyond means because we have our baby. And, I mean — So nothing else matters. [Chuckles] But if you're paying into insurance, insurance should pay for what you want it to go to to help whatever is showing success. It's saving our babies' lives.
01:00:44:06		[Music continues]
01:00:52:18		[Keys jingling, cellphone clicking]
01:00:54:09	TRACY RYAN	Kiss? Give me a kiss. [Smooches] Thank you.
01:00:58:01	SOPHIE RYAN	Ah.
01:00:58:18	TRACY RYAN	You're so sweet. You're so sweet.
01:01:01:22	JOSH RYAN	Now the nerves really start kicking in.

01:01:05:06	TRACY RYAN	Yeah.
01:01:05:14	JOSH RYAN	Scan-xiety.
01:01:05:16		[Turn signal clicking]
01:01:06:23	JOSH RYAN	'Cause we got to do this every three months. And this is gonna be our life for a while.
01:01:11:19	TRACY RYAN	Hi, Betty. My name is Tracy Ryan. My daughter, Sophie, had an MRI scan today. Would I be able to put in a request with you to pick up a disc the second it's available?
01:01:22:01	WOMAN	Yeah. It's been finalized.
01:01:23:17	TRACY RYAN	Oh, it has been?
01:01:25:02	WOMAN	Yes.
01:01:26:05	TRACY RYAN	Okay.
01:01:26:17	WOMAN	So, you wanted to get a disc, a CD of it?
01:01:29:10	TRACY RYAN	Yes, ma'am. I'm gonna go get them.
01:01:34:04	TRACY RYAN	I always tell my husband that it could always be worse, and we see worse every single day of our lives. Everybody keeps saying, "God only gives you what you can handle," but I think that we get things that we can't handle sometimes. I feel like it's my responsibility and my duty to the world and to God and to my child to pass on this information and to help people. So I created a group called CannaKids along with some other mommies that had sick kids. It's an amazing, amazing group, full of wonderful women and men and experts and doctors and scientists. And it's just really wonderful.
01:02:08:16	TRACY RYAN	Hi, Lu.
01:02:09:17	LULU	What did the scans look like?
01:02:11:02	TRACY RYAN	It shrunk! Um, let me get the paper. Lulu, it is half the size.
01:02:14:07	LULU	[Laughs] Aw!
01:02:17:21	TRACY RYAN	It went from 2.6 to 1.7. It is half the size. The cystic component now measures 1.4 centimeters versus 2.8 centimeters on 9/23. It is also half the size.
01:02:33:10	LULU	That is —
01:02:34:14	TRACY RYAN	Lulu, these tumors don't shrink with chemo. These tumors don't shrink with chemo!
01:02:39:23	LULU	Oh, my gosh.
01:02:40:16	TRACY RYAN	Uh, hand on a Bible — My doctor said, "If you can get this tumor to half the size, there's no way we can claim that it was the chemo." That's the only way. It has to get to half the size.
01:02:49:19		[Disc drive whirring]

01:02:52:10	TRACY RYAN	Oh, here we go. Look at these huge black holes. It's the cell death. There's, like, nothing over here anymore. Like, there used to be all kinds of tumor over here. This has always been the heavier side. This is — Oh, my God. That's the cyst! That's where the cyst used to be. Almost gone! I mean, it's just beautiful. I never thought I'd be saying that about a tumor. I feel very, very, very hopeful.
01:03:17:19		[Mid-tempo music plays]
01:03:19:23	TRACY RYAN	[Chuckles] It's working. [Sniffs]
01:03:24:05	TRACY RYAN	Hi!
01:03:24:11	WOMAN	Hi.
01:03:25:04	TRACY RYAN	We're here to see —
01:03:25:06	WOMAN	For Sophie.
01:03:26:08	TRACY RYAN	Yes, ma'am.
01:03:26:20	WOMAN	Hi, Sophie.
01:03:27:22	TRACY RYAN	Say hi!
01:03:29:02	TRACY RYAN	Sophie, did the sleepy medicine get you already, my Buffy? She's like, "My cannabis doesn't even do this to me." [Laughs]
01:03:35:23	TRACY RYAN	This is Tracy.
01:03:36:08	DR. JERRY CHENG	Hello, Tracy. It's Dr. Cheng. Um, so, you know, thankfully, Sophie continues to make progress, okay?
01:03:41:07	TRACY RYAN	Yes!
01:03:41:19	DR. MARK BORCHERT	At one year of age, chemotherapy with carboplatin, and vincristine was started for a period. It's clear the tumor has shrunk enormously on the chemotherapy.
01:03:50:09	TRACY RYAN	We're doing a lot of holistic approaches along with her chemo treatment.
01:03:51:18	DR. MARK BORCHERT	Mm-hmm. Mm-hmm. Mm-hmm.
01:03:54:03	TRACY RYAN	Have you ever seen this much shrinkage before?
01:03:56:20	DR. MARK BORCHERT	I would agree that you wouldn't expect to see that much shrinkage of a tumor from chemotherapy.
01:03:57:18	<i>on-screen graphic</i>	Dr. Mark S. Borchert, Pediatric Ophthalmologist, Optic Pathway Glioma Expert
01:04:02:01		[Up-tempo music plays]
01:04:02:12	DR. MARK BORCHERT	I'm not sure it's the chemotherapy. [Laughs]
01:04:06:01	TRACY RYAN	Well, we don't — We don't think it's the chemotherapy.
01:04:07:22	DR. MARK BORCHERT	It might be, it might not be.
01:04:08:04	TRACY RYAN	We're doing...

01:04:09:18	DR. MARK BORCHERT	I have no idea.
01:04:10:20	TRACY RYAN	Right.
01:04:11:14		[Music continues]
01:04:13:12	TRACY RYAN	Honey, it's almost gone. I'm looking at all kinds of angles. It's almost gone.
01:04:17:06	JOSH RYAN	Really?
01:04:17:12	TRACY RYAN	I'm — I'm — Yeah.
01:04:18:16	JOSH RYAN	Oh, that's amazing.
01:04:20:04	TRACY RYAN	Sophie, do you — do you want to get up? Your chemo's done, honey! Your chemo's done, honey!
01:04:25:16	JOSH RYAN	Hi, sweetie.
01:04:26:19	TRACY RYAN	You're done! Sophie, Sophie, look!
01:04:28:18	SOPHIE RYAN	[Crying]
01:04:29:14	TRACY RYAN	Sophie, look!
01:04:30:11		[Keys jingling]
01:04:31:09		[Cheering, applauding]
01:04:32:16		[Down-tempo music plays]
01:04:37:21		[Indistinct conversations]
01:04:39:22	JOSH RYAN	Sophie. Sophie. [Speaking indistinctly]
01:04:45:17		[Indistinct conversations]
01:04:50:23	CHRIS KEPHART	Around three months into doing this, Dr. Storch looks at us and said, "He looks like he's getting better."
01:04:58:03	SHEILA KEPHART	Mm-hmm.
01:04:59:14	CHRIS KEPHART	And I said, "Well, you know, yeah, he — he — he is." Another month went by, and reluctantly, I agreed to let the scans take place. She looks at us and says, "I don't know how to tell you this. I can't explain it. But his scan is clear. There is no more tumors in his chest."
01:05:18:14	SHEILA KEPHART	Yeah.
01:05:23:05	CHRIS KEPHART	Four months. 20 tumors. Gone. It's clear. We do the next scan — clear. The next scan — clear. The next scan — clear. She goes, "There's — There's no cancer in him right now. He's clear."
01:05:37:01	SHEILA KEPHART	April's our magic month that — I call it the magic month because that's when we're gonna stop chemo totally and then just try to see if — If it is the cannabis, we're gonna find out right there and then. You know, I find out a — a — a child has cancer or something, I go straight to the parent and I give them Dr. Goldstein's number. And I say, "You — You have to try. You have to try."

01:05:58:13	CHRIS KEPHART	She goes straight to the parent and tells them, "Put your kid on oil."
01:06:00:21	SHEILA KEPHART	I do, I do.
01:06:01:13	CHRIS KEPHART	100%. She just goes, goes, goes. I will look at the people and people that ask me about A.J. and ask me about the cannabis oil, and I will tell them, "I honestly don't know if this will work for you, but what I'm gonna tell you is what it did for my son."
01:06:17:05		[Mid-tempo music plays]
01:06:20:08	DR. BONNI GOLDSTEIN	I have over probably 300 pediatric patients using cannabis right now. I have a case report of a 16-year-old who came to me a year ago April with a stage IV osteosarcoma. They came in referred in by an oncologist. So bravo to her for sending the patient to me. He started cannabis oil in April, and in July, he had PET scan, CT, uh, MRI, and a bone scan, all negative for disease, which is really incredible.
01:06:44:20	AUDIENCE	[Applauding]
01:06:47:09	DR. BONNI GOLDSTEIN	Um...he had, uh, repeat scans in November, which were negative. I called his oncologist, and I said, "What do you think?" And she said, "Well, he should be dead." I just saw him last week. His hair's growing back. He's off chemo. He's a little bit beat up from his, uh, three years of chemotherapy. Uh, for about the first eight months of his treatment, he was on gemcitabine, which is, in one study, synergistic with cannabinoids to increase, uh, cancer killing. It appears so far that, uh, we're getting some good results. I never say "cure" with cancer 'cause I don't know, but I definitely say "extension of life."
01:07:28:21	MARA GORDON	First time that we talked with A.J., he was almost nonverbal because he had so much inflammation. Here he was two months ago, and here he is now.
01:07:40:12	STEWART SMITH	That's him?
01:07:41:18	MARA GORDON	No more steroids. That's your typical cancer-kid face right there. And that's him now. God, you got to love that.
01:07:49:22	MARA GORDON	[Exhales deeply] Angela.
01:07:51:17	MARA GORDON	When they went back to Chicago, fortunately somebody in California was willing to act as an angel for them.

01:07:58:00	MARA GORDON	So, we got A.J. initially — He was on the Hindu Kush and the Yummy, and —
01:08:03:16	ANGELA PETERSON	Right.
01:08:04:06	MARA GORDON	If he's only on .5 right now on that...
01:08:06:19	ANGELA PETERSON	The Skunk hasn't come in yet from our angel.
01:08:10:14	MARA GORDON	Uh-oh. We're gonna have to figure that out. This is not the ratio I want him at. I want him to be on the 5-something of THC and 2-something of the CBD. I want him to be on at least — at least two-to-one.
01:08:25:23	ANGELA PETERSON	You want him — When the Skunk gets here, we'll get back to that goal.
01:08:31:08	MARA GORDON	Right. Okay. Do you have enough right now?
01:08:33:22	ANGELA PETERSON	We're just about done at this point.
01:08:36:09	MARA GORDON	I would rather that you give him a little less each dose and stretch it out than risk running out of it.
01:08:40:00	ANGELA PETERSON	Okay. Okay.
01:08:43:13	MARA GORDON	And how's he doing in school?
01:08:45:06	ANGELA PETERSON	Oh, my gosh. He's doing phenomenal. He loves going to school. He's on grade level at this point. And, um...
01:08:50:19	MARA GORDON	And that's on a gram and a half of cannabis. What a rock star. Okay.
01:08:55:21	ANGELA PETERSON	So...
01:08:56:13	MARA GORDON	She's doing .5 at two times a day and was only doing the 1 on the THC, which is not sufficient. When we had that big CBD shortage, they got some medicine from somebody else. Everybody that has a still is not an oil maker. Everybody that has, you know, flowers does not know what to do with it. I get — I get so furious with the lack of reg— legis— I mean, the lack of regulation and the lack of oversight. Um, and that's one of the main reasons I want it legal is so that we can start having standards and not have it be the Wild West, which is just insane right now.
01:09:36:14		[Cellphone buzzing]
01:09:37:12	MARA GORDON	Let me call Tracy. Where are we right now on dosing on Sophie?
01:09:45:05	TRACY RYAN	Predominantly, we're at one-to-one.
01:09:47:11	MARA GORDON	Okay, what made you decide to change to one-to-one?

01:09:52:15	TRACY RYAN	I thought that was what we had discussed a while back. I don't remember exactly why it was that we switched to a one-to-one 'cause it's been so long ago. But now she's doing Charlotte's Web and the THC that you gave me last — I can't remember what strain it was. [Speaking indistinctly]
01:10:08:17		[Down-tempo music plays]
01:10:09:08	MARA GORDON	So she's not even — She's doing Charlotte's Web instead of our...
01:10:13:07	TRACY RYAN	It's been — It's been predominantly Charlotte's for a while.
01:10:17:15	MARA GORDON	Really?
01:10:18:18	TRACY RYAN	'Cause — 'Cause you remember? You ran out of CBD.
01:10:20:21	MARA GORDON	Yeah, I knew that — 'Cause last time I asked you, you told me that she's had a grand total of two syringes of Charlotte's Web.
01:10:27:18	TRACY RYAN	No.
01:10:28:17	MARA GORDON	Yes.
01:10:29:20	TRACY RYAN	She's — She's been — She started using Charlotte's Web in February. If you look at your records and you see how much CBD you sent me, it hasn't been that much for a while because you guys had that — that shortage.
01:10:39:10	MARA GORDON	Right. So you're — She's not really our patient anymore. She's just using one of our products. Um...
01:10:46:00	TRACY RYAN	Well, I mean, I've — I've — You've trained me well. [Chuckles] We were having success.
01:10:49:15		[Mouse clicking]
01:10:50:10	TRACY RYAN	I knew what I was doing. I knew I had excellent medicine. You had trained me how to take care of her. How I was taking care of her was working. I mean, she — You know, she has her own plants there, and it's \$100 cheaper. Actually, this last one was only \$204.51 for almost 10 grams. So I — You know, I don't have a lot of money right now. I'm barely hanging on. And anywhere I can save 100 bucks, especially if I need to get two or three syringes, it's — it's a big deal.
01:11:17:03	MARA GORDON	Okay. Well —

01:11:17:06	TRACY RYAN	I thought that you'd understand that. It's not — It's not that I don't trust your medicine. I love your medicine just as much. It's really a financial thing.
01:11:23:13	MARA GORDON	Right. Yeah. Um, Sophie's doing great, though. So that's all that matters.
01:11:29:00	TRACY RYAN	Yeah. She is just as normal as any 2-year-old. We went and saw Dr. Bonni Goldstein today to get her card renewed...
01:11:36:05	MARA GORDON	Mm-hmm.
01:11:36:14	TRACY RYAN	...and Bonni just didn't believe her eyes at — at how great she's doing.
01:11:40:06	MARA GORDON	Okay. All right. Take care. Say hi to s— everyone for me.
01:11:44:03	TRACY RYAN	Will do. Talk to you later.
01:11:45:01	MARA GORDON	All right. Bye.
01:11:46:07	TRACY RYAN	Bye-bye.
01:11:47:15	MARA GORDON	In order for someone to be our patient, they have to commit to allowing us to follow them and learn from them. That's the only reason we do this is so that we can learn and understand and whatever. If somebody's getting in f— getting, uh, medicine from other places and then not taking it the way that we tell them to take it, they might as well just go to a dispensary and buy it. That's not who an Aunt Zelda's patient is. So I'm gonna have to give considerable thought to whether Sophie is still our patient under these circumstances. And it's too bad, because I believe Sophie is where she is because of our protocol and our medicine. But, oh, how quickly they forget.
01:12:28:11		[Down-tempo music plays]
01:12:36:22	TRACY RYAN	The day has finally come that we are doing our — our, uh, first CannaKids meet-up. This is, like, our big, kind of official CannaKids launch day. So we're really excited. We've got a lot of people in the industry coming. We've got a lot of families coming.
01:12:54:03		[Indistinct conversations]
01:12:54:14	TRACY RYAN	Hey, hey! Hi, guys! How are you?! [Gasps] Sophie! Hi, baby! Oh, goodness! Can I have a kiss? Thank you. Did you see your friends?
01:13:09:09	TRACY RYAN	Test. All right, everybody. We're gonna go ahead and get started here in just a second. My name is Tracy Ryan. I am the co-founder of CannaKids.

01:13:20:02	TRACY RYAN	So, just a quick rundown of what this site is gonna be. First and foremost, it's a massive resources section. So all of the information that I have learned over the years, that families that I know that have learned over the years...
01:13:32:18		[Indistinct conversations]
01:13:34:03	TRACY RYAN	Since getting her on cannabis and — and using it alongside Western medicine, we've almost completely destroyed a tumor that was, like, never supposed to really shrink. So, little Sophie!
01:13:43:01	AUDIENCE	[Applauding]
01:13:44:15	TRACY RYAN	[Laughs] So here — here we go, guys. On the screen, we have the Christmas tree farm. There are 100 plants for our patients. I-I mean, I have to tell you guys, like, I'm getting really emotional about how everything is kind of evolving and, like, coming together. Look at what we're doing, you know?
01:14:04:08	WOMAN	Yeah.
01:14:05:10	TRACY RYAN	I mean, we're gonna — we're gonna change lives. And even if — even if we just save one child, even if we cure one kid of epilepsy, we shrink one brain tumor more than what we've done with Sophie, we've changed the world.
01:14:22:08	DR. NOAH FEDERMAN	It's definitely an improvement.
01:14:24:08	ANGELA SMITH	Mm.
01:14:27:07	DR. NOAH FEDERMAN	Yeah. I couldn't be more pleased.
01:14:29:01	ANGELA SMITH	Oh, God.
01:14:29:07	<i>on-screen graphic</i>	Noah Federman, MD, Chico's Oncologist
01:14:30:00	DR. NOAH FEDERMAN	Yeah. Night and day, Chico. Night and day.
01:14:32:22	ANGELA SMITH	People double-take. And it took — takes them a few seconds to realize that it's Chico.
01:14:38:05	DR. NOAH FEDERMAN	I say, you know, "Remember Chico," because, you know, because it was really tough on you.
01:14:40:19	ANGELA SMITH	[Laughs]
01:14:44:07	DR. NOAH FEDERMAN	This therapy was really tough.
01:14:46:05	ANGELA SMITH	Mm.
01:14:46:19	DR. NOAH FEDERMAN	And, um, we got — we got through it. You got through it barely, by the skin of your teeth, with a lot of help from, you know, a variety of sources.
01:14:53:05	ANGELA SMITH	Yes.
01:14:57:10	CHICO RYDER	Mm-hmm.
01:14:58:04	DR. NOAH FEDERMAN	And, um, you know, to see you now, it's — it's terrific.
01:15:01:13	ANGELA SMITH	Yeah.

01:15:02:00	DR. NOAH FEDERMAN	This is what I live for. Questions?
01:15:04:23	ANGELA SMITH	Can we get a renewal of his cannabis oil recommendation? I mentioned it to Margie the other day.
01:15:09:05	DR. NOAH FEDERMAN	Yes, absolutely. Yes.
01:15:10:21	ANGELA SMITH	'Cause we're still giving him a small maintenance dose.
01:15:12:14	DR. NOAH FEDERMAN	Sure. Absolutely.
01:15:14:04	ANGELA SMITH	Because they say it helps prevent relapse. And also it stimulates appetite as well.
01:15:18:10	DR. NOAH FEDERMAN	Absolutely. A lot of this is very new for us.
01:15:21:20	ANGELA SMITH	Mm-hmm.
01:15:22:10	DR. NOAH FEDERMAN	And, um...so I don't know all of the answers. The reality is — is we're learning.
01:15:29:05	ANGELA SMITH	Yeah.
01:15:29:07	DR. NOAH FEDERMAN	And that because of patients like you, Chico, we've — um, we're — Our minds are more open towards these types of things and that there are other patients that have derived benefit from our experience with you.
01:15:43:03	ANGELA SMITH	Yeah.
01:15:43:21	DR. NOAH FEDERMAN	Um, and that is, I think, very helpful. There's still a lot that we don't know.
01:15:48:22	ANGELA SMITH	I just want to say thank you for being an amazing oncologist.
01:15:49:05	DR. NOAH FEDERMAN	I got to run. Thank you.
01:15:52:03	ANGELA SMITH	And thank you for having such an open mind.
01:15:52:08	DR. NOAH FEDERMAN	Well, I appreciate it. And, like, it's fantastic, isn't it, Chico? Isn't it? What do you say to Dr. Federman?
01:15:59:12	CHICO RYDER	Thank you.
01:16:00:05	DR. NOAH FEDERMAN	Thank you.
01:16:00:19	ANGELA SMITH	Do you realize you and what you did has made him change his mind and change his thinking?
01:16:07:15	CHICO RYDER	Yeah.
01:16:08:14	ANGELA SMITH	That's incredible!
01:16:09:10	CHICO RYDER	[Chuckles]
01:16:10:08	ANGELA SMITH	I'm so proud of you!
01:16:11:19	CHICO RYDER	Mm-hmm.
01:16:13:11	ANGELA SMITH	Are you proud of yourself?
01:16:15:05	CHICO RYDER	Yeah.
01:16:15:20	ANGELA SMITH	You really should be. [Chuckles] You really should be.
01:16:22:00		[Mid-tempo music plays]

01:16:27:01	ANGELA SMITH	We bought a bike about two weeks before he was diagnosed, and he wasn't ever able to get on that bike and then, monumentally, got on the bike and started cycling. I was like...[Voice breaking] "This is a — a good day." [Sobs]
01:16:49:16		[Vehicles passing in distance]
01:16:58:17	TRACY RYAN	I now consider myself a momcologist. I mean, three years of chemotherapy and in and out of hospitals and the research papers that have come across my desk and the websites that we've now built to gather information and study all of the different clinical trials that are out there — I'm proud of the accomplishments that we've made in such a short time.
01:17:16:22		[Indistinct conversations]
01:17:17:02	TRACY RYAN	Okay. Yeah. Let's check in here.
01:17:19:17	TRACY RYAN	And then for the press conference, we just go upstairs?
01:17:22:00	WOMAN	Yes. It's on the second floor.
01:17:23:09	TRACY RYAN	Okay. Right up there.
01:17:24:07	WOMAN	Yep.
01:17:24:13	TRACY RYAN	Just up the stairs. Thank you.
01:17:25:15	WOMAN	Oh, yeah. Of course.
01:17:26:22	MARA GORDON	I started doing this five-plus years ago now, and I've been working on creating this software, fueling it with our data, and it's now out in beta. And we have on our — on our board some of the leading scientists in the world. Cristina Sanchez from Complutense University is coming for two months, and we're gonna be having Dr. Noah Federman, who's on our board, from UCLA. Oh, my God. Leading car— sarcoma specialist. And they're getting together to start — We're getting an IRB to start analyzing our data and then run clinical trials out of UCLA. Right?! So the fact that we are at Harvard Medical School is so important because we are taking something that is seen on the outer fringe and we are legitimizing it by bringing it into this traditional Harvard environment. So I'm very, very grateful to be here.
01:18:20:23	MAN	A quick video of you to send to my wife?
01:18:22:11	MARA GORDON	Yes, you may.
01:18:22:21	MAN	Okay. Hold on. Okay.
01:18:25:04	MARA GORDON	Okay. Hello.
01:18:25:20	MAN	I-I trust this woman with my wife's life.

01:18:29:07		[Indistinct conversations]
01:18:30:16	WOMAN	May I ask you a question?
01:18:32:07	MAN	On the way there, please. It's been a long day.
01:18:34:15	TRACY RYAN	Hey, Mara.
01:18:35:06	MARA GORDON	Hello.
01:18:37:15	MARA GORDON	Sophie is a mixed thing for me, because, obviously, it's a little bit of a dagger to my heart because I was treating her and doing a really good job, and lo and behold, somebody's interest in becoming a cannapreneur got in the way of whatever, but that's a whole separate thing. As we say in Yiddish, <i>Zei gezunt</i> — Let them go in good health, you know?
01:18:58:10	TRACY RYAN	Mara, this is, uh, Jackie Green.
01:18:59:22	TRACY RYAN	Now I have this incredible line of — of gold medicinal oils, actually, that I'm about to give Sophie. Um, our own strain called Isabella's Bloom, which is named after her. Mara has been generous, and I'm forever grateful to her for the knowledge that she's given me and for the assistance that she's given to my child. But why not make an incredible oil and give my daughter free medicine?
01:19:22:08	TRACY RYAN	Are you guys doing indoor now?
01:19:24:12	MARA GORDON	No. I'm talking about the actual processing.
01:19:27:14	TRACY RYAN	Oh, oh, oh.
01:19:28:09	TRACY RYAN	But it's... Yeah. It's not what it used to be.
01:19:31:14	MARA GORDON	...to his greenhouse.
01:19:32:02	TRACY RYAN	Right.
01:19:32:18	MARA GORDON	Yeah.
01:19:33:12	MARA GORDON	We do, in fact, uh, promote whole-plant extracts. You have to have the entourage effect. You have to have the synergy between the terpenes, the flavinoids, everything else that's in the plant, in addition to the cannabinoids that are in there. And even the cannabinoids working together have a synergistic effect. We must have clinical trials. It doesn't need to be in the hands of people like me. I'm glad that my software is gonna be able to put it into the hands for the clinical trials and the doctors and all.

01:20:00:11	DR. BONNI GOLDSTEIN	Unfortunately, California has a reputation of the Wild West, and I-I would say that without regulations there, it is kind of hard to practice. But what I'm gonna tell everybody is that my patients are getting medicine. My patients are getting better. My patients have better quality of life. And so it is imperative the rest of the country follows California.
01:20:19:13	AUDIENCE	[Applauding]
01:20:22:23	DR. ERIC RUBY	Eric Ruby.
01:20:24:04	DR. BONNI GOLDSTEIN	Hi. Nice to meet you.
01:20:24:15	DR. ERIC RUBY	I am a pediatrician in Taunton, which is about an hour south of here.
01:20:27:20	DR. BONNI GOLDSTEIN	Oh, great.
01:20:27:22	DR. ERIC RUBY	I am the only pediatrician in all of Massachusetts who is registered with the medicinal marijuana program.
01:20:34:14	DR. BONNI GOLDSTEIN	Good for you.
01:20:35:00	DR. ERIC RUBY	I am bombarded with patients.
01:20:36:12	DR. BONNI GOLDSTEIN	Of course. Mm-hmm.
01:20:38:01	DR. ERIC RUBY	I appreciate what you're doing. Please write something for the pediatric journals. It's got to be there.
01:20:46:07	DR. BONNI GOLDSTEIN	Yeah.
01:20:46:22	DR. ERIC RUBY	And they've got to a-accept it. Pharmaceutical companies, I believe, are suppressing all of this. The impediments, the obstructions — I mean, I'm in practice 39 years.
01:20:55:07	DR. BONNI GOLDSTEIN	Yeah. Yeah. Yeah. Mm-hmm.
01:20:57:11	DR. ERIC RUBY	And the people who lose are the patients.
01:20:59:14	DR. BONNI GOLDSTEIN	Right. Are the patients. Of course. Of course.
01:21:00:21		[Down-tempo music plays]
01:21:01:17	AADEN PETERSON	[Grunting]
01:21:03:06	A.J. PETERSON	[Grunting] Ow! Ow! Ow! Okay. Okay. Okay. We're getting out of here!
01:21:12:05		[Music continues]
01:21:13:23	ADRIAN PETERSON	They gave our son, you know, eight months to live. [Voice breaking] So...
01:21:20:05		[Music continues]
01:21:26:11	ADRIAN PETERSON	Aggravated, up— upset...[Clears throat] ...that we had to go through all of this to — to get, you know, some type of — of, um...I guess some — some answer to whether even it works or not.
01:21:42:15	ANGELA PETERSON	Mm-hmm. We — We did what we could do, and that's what matters.
01:21:50:08		[Music continues]

01:21:52:20	<i>on-screen graphic</i>	After nine months, A.J. lost his battle with cancer.
01:22:03:23		[Music continues]
01:22:23:17	ANGELA SMITH	Good morning! [Laughs]
01:22:26:01	ANGELA SMITH	Oh, it's school day today. Are you excited?
01:22:29:09	PAUL RYDER	No.
01:22:30:10	ANGELA SMITH	Oh, yeah! Oh, he's excited!
01:22:33:21		[Down-tempo music plays]
01:22:35:16	ANGELA SMITH	So he's still on quite a big dose, really. You can have it before you go to school. We wouldn't be sending him with his vaporizer...[Laughs]...to school. I just think if having this mixture every day increases his odds of not relapsing, then it's worth doing, isn't it?
01:22:48:17		[Utensil tapping]
01:22:52:19	ANGELA SMITH	He's going to be a completely normal child. Aren't you? Starting with brushing your teeth. Come on. Go and get your teeth brushed quickly. We've got to go.
01:23:01:12		[Music continues]
01:23:03:02	WOMAN	Ladies and gentlemen, we should always be welcoming when someone comes in. Is your name Chico? You can take an open seat. The next thing I have to talk about is reviewing the dress code. I had a couple of students last year who would wear clothing that had, like, a marijuana leaf on it. That is not school-appropriate. Once again, something that you wouldn't want to be caught with at school is something that should not be on your clothing.
01:23:27:18	MARA GORDON	Hey!
01:23:28:11	ANGELA SMITH	Hey!
01:23:29:01	MARA GORDON	Oh, my God. Look at you! Ah! Oh, it's so good to see you.
01:23:33:13	CHICO RYDER	You too.
01:23:33:18	MARA GORDON	Look at you.
01:23:34:18	PAUL RYDER	Is it good stuff? We got it from a shop that had been busted.
01:23:36:04	<i>on-screen graphic</i>	Paul Ryder, Chico's Father
01:23:38:05	STEWART SMITH	Oh, there's no instructions?
01:23:39:18	PAUL RYDER	No. No instructions.
01:23:41:05	ANGELA SMITH	Chico came in. He's like, "Mom — Mom, I know what I want for my birthday."
01:23:45:03		[Down-tempo music plays]

01:23:45:05	ANGELA SMITH	And he said, "I want grow equipment so I can set up my own grow and grow my own plants and make my own medicine with Mara."
01:23:53:15	MARA GORDON	Oh, right on. That's so cool. So you'll have to come up to us and go into the lab and work with our chemist and actually make the medicine. That would be just absolutely fantastic.
01:24:04:05	ANGELA SMITH	Yeah.
01:24:04:18	MARA GORDON	Absolutely.
01:24:06:00	ANGELA SMITH	And he said he wanted to dedicate his grow.
01:24:09:08	CHICO RYDER	To my friend who had cancer the same time as me. And she didn't make it, but, um...we were really good friends, and...Yeah.
01:24:25:21	MARA GORDON	It's very special.
01:24:26:21		[Music continues]
01:24:28:11	MARA GORDON	Gee, thanks. Make me cry. [Laughs]
01:24:30:03	ANGELA SMITH	[Laughs]
01:24:31:02	ANGELA SMITH	Me too.
01:24:31:21	MARA GORDON	Right.
01:24:34:03	ANGELA SMITH	If someone had told me that I would be buying my 14-year-old son cannabis-growing equipment for his birthday, I would have thought they were rather silly.
01:24:38:06	STEWART SMITH	[Laughs]
01:24:43:12	MARA GORDON	Absolutely.
01:24:45:01	ANGELA SMITH	It's funny how life is, isn't it?
01:24:49:01	STEWART SMITH	And some of them drink a little more water than the other ones. Those will get a little more bigger, some of them will get, like, more fatter.
01:24:53:08	CHICO RYDER	Mm-hmm.
01:24:55:12		[Music continues]
01:25:04:22	ANGELA SMITH	We can have a grand opening. Well done, Chico!
01:25:06:05		[Applause]
01:25:07:23	ANGELA SMITH	Thank you, Stewart. Aw!
01:25:10:05	STEWART SMITH	Yeah. It's my pleasure.
01:25:12:05	MARA GORDON	She loves it, too.
01:25:14:04		[Music continues]
01:25:14:06		[Indistinct conversations]
01:25:18:06	CHICO RYDER	I'm writing to the president to help legalize cannabis oil for kids so they don't have to go through what I went through. It makes me sad and kind of confused because I don't get why they can't have it if it really helps them.
01:25:36:19		[Mid-tempo music plays]

01:25:42:14	DR. SANJAY GUPTA	The United States government, through its Department of Health and Human Services, holds a patent on marijuana as a protectant for the brain. And it's something to protect the brain after head injuries.
01:25:52:08	ANDERSON COOPER	How is that possible that the U.S. government holds the patent?
01:25:55:02	DR. SANJAY GUPTA	The U.S. government holds a patent on one hand, and on the other hand, same government, says it has no medical application. Journalists, I think, are trained to hate hypocrisy. This is hypocrisy — Just I've never seen it quite like this.
01:26:07:11	ALICE O'LEARY-RANDALL	Why does the federal government — the federal government — hold patents on the various ingredients of marijuana if they don't think it has medical value? And why should the federal government be looking to benefit from future medical use of cannabis products because they have these patents?
01:26:18:13	<i>on-screen graphic</i>	Alice O'Leary-Randall, Pioneer, Medical Marijuana Movement
01:26:26:14	ALICE O'LEARY-RANDALL	This is — This is unconscionable. It's just unconscionable the positions they've taken. And meanwhile, they keep denying and they keep denying and they keep denying. Um, it — it's — it's cruel. And years from now, in the future, people will look back on this time and marvel — marvel at how cruel we've been.
01:26:45:11	DR. BONNI GOLDSTEIN	The whole idea of "There's not enough research" is actually true. There's not enough. But there's enough research for me to know, one, it happens to be a very safe medication and, two, it works.
01:26:56:19	ETHAN NADELMANN	The whole drug issue, the drug policy reform issue, is a human-rights issue at its core.
01:27:02:02	DR. SUNIL AGGARWAL	The hope is that the use of cannabis becomes depoliticized and appropriately integrated into health, medicinal, wellness, spiritual, you know, human psy— cultural systems, as it has always been for thousands of years.
01:27:17:14	LATCH	Here. Right, mate. Let's put your jacket on. There you are. Zip it up. Now, have you been on a bike before?
01:27:28:22	CHICO RYDER	Um, a dirt bike.
01:27:30:15	LATCH	Okay.

01:27:31:02	ANGELA SMITH	When Chico got sick, this friend of ours, Latch, kept sending him messages on Facebook saying, "I'm gonna be taking you for a ride on the back of the Harley." It just so happens that today is the day, which didn't seem like it was ever gonna be possible at one point.
01:27:46:10	LATCH	The louder you scream and shout, the faster we go.
01:27:48:14	CHICO RYDER	Mm-hmm.
01:27:49:09	ANGELA SMITH	[Laughs]
01:27:50:04	LATCH	[Laughs]
01:27:51:20		[Mid-tempo music plays]
01:27:55:01	LATCH	Any last words, Mum?
01:27:56:05	CHICO RYDER	[Chuckles]
01:27:56:22	ANGELA SMITH	I think I'm more scared than he is for sure.
01:27:58:03	LATCH	"Bring my boy back."
01:27:59:12	ANGELA SMITH	[Laughs] Yeah, have fun. Enjoy yourself. You've earned this ride, Chico.
01:28:04:16	LATCH	Oh, yeah.
01:28:05:12	ANGELA SMITH	You really have.
01:28:06:00	LATCH	Yep.
01:28:08:19		[Engine starts]
01:28:10:19	LATCH	You want to give it a quick rev?
01:28:14:15		[Engine revving]
01:28:17:16	LATCH	See you in a bit!
01:28:18:22		[Music continues]
01:28:33:16		[Music continues]
01:28:46:12	TRACY RYAN	[Laughs]
01:28:48:13		[Music continues]
01:28:51:07	AUDIENCE	[Laughing]
01:28:54:11		[Indistinct conversations]
01:28:58:17	AUDIENCE	[Cheering, applauding]
01:28:59:21	WOMAN	Alexander Kephart.
01:29:02:04	AUDIENCE	[Cheering, applauding]
01:29:04:02		[Music continues]
01:29:16:05		[Music slows, ends]
01:29:21:04	<i>on-screen graphic</i>	One year later
01:29:21:05		[Down-tempo acoustic guitar plays]
01:29:24:09	BERNA	[Singing] Mm.
01:29:25:06		[Laughter, indistinct conversations]
01:29:26:11	<i>on-screen graphic</i>	California 2017
01:29:26:17	JOSH RYAN	Have a muffin?
01:29:27:17	BERNA	[Singing] Mm. Ah, ah.
01:29:40:15		[Indistinct conversations]

01:29:45:22	BERNA	[Singing] Millions displaced by hurricanes. Islanders fear the clouds and rains. There's no place else to go.
01:29:53:16	<i>on-screen graphic</i>	A.J. remains cancer-free. He is taking college courses and plans to study animation. A.J.'s oncologist, Dr. Susan Storch, retired from her oncology practice and joined Dr. Bonni Goldstein to incorporate cannabis in the treatment of pediatric cancer.
01:29:59:16	BERNA	[Singing] This is our home, the only one. It should be clear what must be done by now.
01:30:06:21	<i>on-screen graphic</i>	Chico remains cancer-free. He attends high school and is Aunt Zelda's Pediatric Goodwill Ambassador. He plans to start a professional grow, which will provide free cannabis oil to children in need. He is also writing a book about his experience.
01:30:08:04	BERNA	[Singing] I'm sure we know. Ah, ah.
01:30:20:02	<i>on-screen graphic</i>	Cecilia remains cancer-free and loves attending school. She receives free cannabis oil donated by Myriam's Hope Collective. The Fire Family Foundation continues to be of great support.
01:30:20:03	BERNA	[Singing] Our home. Ah, ah.
01:30:32:20	<i>on-screen graphic</i>	Sophie remains in treatment, and her tumor continues to shrink. Despite doctors' prognosis that she had 100% chance of losing her vision, she has retained much of it.
01:30:34:07	BERNA	[Singing] Our home.
01:30:41:23	<i>on-screen graphic</i>	WEED THE PEOPLE
01:30:42:01	BERNA	[Singing] We're out of time. The world's on fire. No time to wait to get inspired.
01:30:46:17	<i>on-screen graphic</i>	In Loving Memory of Adrian "A.J." Peterson Christian Evans
01:30:49:01	BERNA	[Singing] We've crossed the finish line. We've got to move. We've got to fly. We've got to act. We've got to try.
01:31:02:05	<i>on-screen graphic</i>	Directed by ABBY EPSTEIN
01:31:02:19	BERNA	[Singing] We're out of stalling time.
01:31:07:23	<i>on-screen graphic</i>	Executive Producer RICKI LAKE
01:31:12:14	BERNA	[Singing] We're still in time.
01:31:13:13	<i>on-screen graphic</i>	Producer GIANCARLO CANAVESIO
01:31:17:17	<i>on-screen graphic</i>	Producer SOL TRYON

01:31:19:21	BERNA	[Singing] We're still in time.
01:31:21:22	<i>on-screen graphic</i>	Co-Producer CHRISTIAN EVANS
01:31:26:08	<i>on-screen graphic</i>	Co-Executive Producer JAMES COSTA
01:31:26:23	BERNA	[Singing] We're still in time.
01:31:30:07	<i>on-screen graphic</i>	Associate Producers ANDREW EPSTEIN KEEGAN PETERSON KYLE SHERMAN ADAM VINE
01:31:31:00	BERNA	[Singing] Mm.
01:31:34:22	<i>on-screen graphic</i>	Music by SIMONE GIULIANI
01:31:39:02	<i>on-screen graphic</i>	Principal Photography CHRISTOPHER GALLO CLARE MAJOR PAULO NETTO RICHARD PEARCE JENNA ROSHER
01:31:43:19	<i>on-screen graphic</i>	Editors KRISTEN NUTILE MOLLIE GOLDSTEIN CHRISTOPHER SEWARD
01:31:48:03	<i>on-screen graphic</i>	Graphic Designer ADAM LEVINE
01:31:52:03	<i>on-screen graphic</i>	Featuring (in order of appearance) TRACY RYAN SOPHIE RYAN CINDY JONES JOSH RYAN ANGELA SMITH CHICO RYDER ALEXANDER ("A.J.") KEPHART SHEILA KEPHART CHRIS KEPHART ANGELA PETERSON ADRIAN PETERSON ADRIAN ("A.J.") PETERSON BONNI GOLDSTEIN, MD ETHAN NADELMANN MARA GORDON STEWART SMITH AMANDA REIMAN, PHD DONALD ABRAMS, MD CECILA VON HARZ

		JACLYN VON HARZ JIM VON HARZ SUNIL AGGARWAL, MD, PHD MARK WARE, MD RAPHAEL MECHOULAM, PHD ANGELA HARRIS DAVID BEARMAN, MD RON WATSON JERRY CHANG, MD JEFFREY RABER, PHD ALICE O'LEARY-RANDALL YOHAI GOLAN GILD DAVID MEIRI, PHD MANUEL GUZMAN, PHD CRISTINA SANCHEZ, PHD THOMAS MANZO TONY MONSISVAIS CHRISTIAN BALDEO DR. MARK S. BORCHERT NOAH FEDERMAN, MD DR. ERIC RUBY PAUL RYDER LATCH
01:32:03:04	BERNA	[Singing] When are we going to understand all that's alive is in our hands?
01:32:08:01	<i>on-screen graphic</i>	Associate Producers WENDY CAMBRIA ALAA HATTAB JENNIFER MORGEN MIKKI WILLIS Assistant Editors ALISA SELMAN AVERY MILES ANDREW SEGOVIA ESTHER SHUBINSKI
01:32:11:23	BERNA	[Singing] Mm, mm.
01:32:17:02	<i>on-screen graphic</i>	Additional Photography MIA BARKER BATTISTE FENWICK DALTON GAUDIN BEN HOFFMAN SANDER KEAN RANDY MURDOCK ALISA SELMAN SOL TRYON FREEMAN WHITE III

		Home Video Footage Courtesy of THE RYAN FAMILY THE VON HARZ FAMILY
01:32:17:04	BERNA	[Singing] When are we going to understand all that's alive is in our hands?
01:32:22:22	<i>on-screen graphic</i>	Production Sound Recordists RYAN CANESTRO GABRIEL FRAGOSOS DAVID GAFFNEY GABRIEL ANDY GINER ALEKSANDAR JOVANOVIC GREG MILLER STEUART PEARCE TIM WRIGHT Sales Representation SUBMARINE ENTERTAINMENT JOSH BRAUN DAN BRAUN BEN BRAIN MATT BURKE Directors Assistants SAMUEL HOLT ANDREW SEGOVIA Production Assistants ODESSA BOYADJIAN LEILA LEE DOUGAN CAROLINE ELLETT CAMERON GREEN J.T. WING Israel Unit HIGHLIGHT FILMS PRODUCTION SUPERVISOR: NOAM SHALEV PRODUCTION MANAGER: NITZAN ALMOG RESEARCH: KARIN NEUMANN CAMERA: AMOS RAFAELI ADDITIONAL CAMERA: ROI AZAGI SOUND: ASHER DAHAN
01:32:31:10	BERNA	[Singing] Dying.
01:32:33:05	<i>on-screen graphic</i>	Accommodations HOTEL MONTEFIORI Archivalist WILLIAM MORROW Sound Designer TOM GAMBALE

		<p>Sound Design Supervision CAMILLE DEBLASE Post Production Supervisor ANDREW SEGOVIA</p>
01:32:37:13	BERNA	[Singing] We're still in time.
01:32:41:06	<i>on-screen graphic</i>	<p>Picture Finishing FINISHING FACILITY: IRVING HARVEY POST COORDINATOR: KERRY MACK SUPERVISING COLORIST: SAMUEL GURSKY COLORISTS: MATHEW GREENBERG & RYAN BERGER ONLINE EDITOR: LYLE ZANCA Post Production Facility ATLANTIC PICTURES Production Counsel GRAY KRAUSS SANDLER DES ROCHERS LLP EVAN KRAUSS, ESQ. ELSA RAMO, ESQ. Transcriptions by DAILY TRANSCRIPTIONS Researcher ANDREW STOCKER</p>
01:32:44:09	BERNA	[Singing] We're still in time. Mm.
01:32:48:22	<i>on-screen graphic</i>	<p>Special Thanks ANDY BERG RYAN BROWN TRAVIS CALL SHANNON COHN REBECCA COMERFORD CECILY CONINE CREATIVE VISIONS MIKE DESTRO RICK DOBLIN JANA EDELBAUM ERIN ERENBERG JILL FAGIN MADELEINE GAVIN DARREN GOLDBERG MARC HOFSTATTER INDIEGOGO INDEPENDENT FILMMAKER PROJECT RICK KIMBALL DAVID A. KOCHMAN ALICIA LIND CHRISTIAN LOWE</p>

		JOHN MALANCA CHRIS MARSH JERÓNIMO MAZARRASA BRYAN MOORE MATTEO NETTO PIETRO NETTO O.PEN VAPE ERIN OWENS XAN PARKER EMILY ROTHSCHILD SAMANTHA SATURN JAMES SHEPARD STEPH SHERER SIMI SINGER ILLYSE SINGER ASHLEY SPIVAK ROXY CINEMA TRIBECA TIKUN OLAM GOLAN VAKNIN MA'AYAN WEISBERG
01:32:51:10	BERNA	[Singing] We're still in time. Mm.
01:32:59:20	<i>on-screen graphic</i>	"STILL IN TIME" Performed by BERNA Produced by BERNARDO BAGLIONI Music by BERNARDO BAGLIONI Lyrics by CAROLYN F. BARON Published by FINELINEMUSIC (ASCAP) & Big Moment Global Publishing (BMI) © All rights reserved - Used by permission
01:33:02:22	<i>on-screen graphic</i>	Thank You DR. R. KEITH BELL, DACM BUCK BUCHANAN AQUARIUS CANNABIS, INC. CLARE CLIFFORD-TURNER DAVID FINDLEY LIZBETH FINN-ARNOLD ULRICH GERZA ISA HERRERA MSPT, CSCS ERIC & NICOLE HOMME HERVE LARREN SEAN MCGILL DONALDA MCNEIL ANNE MARIE MIDY SKIP MORGEN JACKIE MORGEN ANDREA PEDERZOLLI ELIZA POLLY

		ELISE PRITCHARD BETSY KAELI THOMAS J. REIMAN RYAN & KRISTINE SHEFTEL VICTORIA SMIRNOFF KENNETH SNYDER DANIEL & RENEE STRACK DEBRA WEST LAURA S. WHITNEY JEN WITTMAN
01:33:05:23	BERNA	[Singing] Ah, ah. We're still in time. Mm.
01:33:17:23	<i>on-screen graphic</i>	Additional Materials Provided by ABC ALAMY ASSOCIATED PRESS BUSINESS INSIDER CANNAKIDS CBS CNN THE DAILY BEAST DEA.GOV EFOOTAGE FACEBOOK GETTY IMAGES THE OGDEN STANDARD GRASS THE IMAGE WORKS KLTA5 THE NEW YORKER NIDA NIXON ARCHIVES JNCI.COM JAMA RESET.ME REUTERS SALON.COM SCIENCE ALERT STREAMLINE FILMS THE VIDETTTE MESSENGER THE VIEW THE WASHINGTON POST VICE.COM ZELDA THERAPEUTICS WH.GOV WIKIPEDIA
01:33:19:21	BERNA	[Singing] We're still in time. Mm. Mm.
01:33:28:11	<i>on-screen graphic</i>	© Weed The People, LLC 2018 All rights

		reserved
01:33:35:13		[Music ends]
01:33:35:15	<i>on-screen graphic</i>	WeedthePeopleMovie.com
		END