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6 PRICED OUT OF A LIFESAVING DRUG:

7 THE HUMAN IMPACT OF RISING INSULIN COSTS

8 TUESDAY, APRIL 2, 2019

9 House of Representatives

10 Subcommittee on Oversight and Investigations

11 Committee on Energy and Commerce

12 Washington, D.C.

13

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16 The subcommittee met, pursuant to call, at 10:31 a.m., in
17 Room 2322 Rayburn House Office Building, Hon. Diana DeGette
18 [chairwoman of the subcommittee] presiding.

19 Members present: Representatives DeGette, Schakowsky,
20 Kennedy, Ruiz, Kuster, Castor, Sarbanes, Peters, Pallone (ex
21 officio), Guthrie, Burgess, Griffith, Brooks, and Walden (ex
22 officio).

23 Also present: Representatives Rush, Welch, Barragan, Soto,

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24 Bucshon, and Carter.

25 Staff present: Kevin Barstow, Chief Oversight Counsel;
26 Jesseca Boyer, Professional Staff Member; Jeff Carroll, Staff
27 Director; Tiffany Guarascio, Deputy Staff Director; Chris Knauer,
28 Oversight Staff Director; Jourdan Lewis, Policy Analyst; Perry
29 Lusk, GAO Detailee; Kevin McAloon, Professional Staff Member;
30 Kaitlyn Peel, Digital Director; Tim Robinson, Chief Counsel; C.J.
31 Young, Press Secretary; Jennifer Barblan, Minority Chief Counsel,
32 O&I; Margaret Tucker Fogarty, Minority Staff Assistant; Brittany
33 Havens, Minority Professional Staff, O&I; Ryan Long, Minority
34 Deputy Staff Director; Zach Roday, Minority Communications
35 Director; and Natalie Sohn, Minority Counsel, O&I.

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36 Ms. DeGette. The Subcommittee on Oversight and
37 Investigations will now come to order. Today, the Subcommittee
38 on Oversight and Investigations is holding a hearing entitled,
39 "Prized out of a Lifesaving Drug: The Human Impact of Rising
40 Insulin Costs." The purpose of today's hearing is to examine
41 insulin affordability challenges and the financial and health
42 consequences on patients' lives. The chair now recognizes
43 herself for the purposes of an opening statement.

44 Today, the subcommittee holds its first hearing in this
45 Congress on the rising costs of prescription drugs which have
46 devastating real-life consequences for families around the
47 country. We are here this morning to examine the impacts of
48 climbing insulin costs on the seven and a half million people
49 in the United States who rely on insulin every day to manage their
50 blood sugar levels and prevent debilitating complications.

51 Insulin insures the health and well-being of millions of
52 people and for the 1.25 million people with type 1 diabetes it
53 is a life-sustaining drug for which there is no substitute. The
54 scientists who made the discovery of insulin knew of its
55 lifesaving importance. Even nearly a hundred years ago, they
56 were concerned that the discovery would be commercialized to the
57 point of being put out of financial reach for those who needed
58 it. To avoid this, they sold the insulin patent to the University

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59 of Toronto for one single dollar. Yet, today, skyrocketing
60 prices are making it unaffordable for millions of people in this
61 country.

62 The price of insulin has doubled since 2012, after nearly
63 tripling in the previous 10 years. We have been hearing stories
64 and reading disturbing news reports for too long. People are
65 skipping doses, failing to pay rent or buy groceries, and even
66 resorting to an insulin black market to afford their insulin.

67 Just this past Friday, at home in Denver I had a listening
68 session and I heard from some of my constituents as to just how
69 real this crisis is. One of the people who came was a woman named
70 Sierra. Sierra does not have insurance and she makes too much
71 money to qualify for Medicaid. She has been struggling for the
72 past year and a half to pay for her insulin. She took three jobs.

73 She made other adjustments in her life in order to cut costs
74 in her personal life, selling her car and living with relatives.

75 Even rationing her insulin, for example, not changing the
76 reservoirs in her pump like she is supposed to, she is still paying
77 out-of-pocket over \$700 a month for her insulin. She is living
78 day-to-day, bottle-to-bottle. She told me she was in the
79 hospital. She went to the emergency room four times in past
80 months, and, good news, they brought her blood sugar under
81 control. And for her, better news, they gave her one bottle of

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82 insulin. She said, "And that lasted me 2 weeks."

83 Now parents with children with diabetes are also living with
84 this constant stress and worry. For example, last year, I heard
85 from a parent in New York whose 23-year-old son was diagnosed
86 as a type 1 diabetic at age 7 and needs insulin to survive. They
87 said, quote, they worry that he won't be able to afford it once
88 he is off our insurance.

89 Something must be done. Insulin doesn't make him better,
90 it keeps him, literally, alive. No one should be forced to live
91 under this strain or make incredibly difficult choices to afford
92 insulin. But according to available data that we will learn more
93 about this morning, about one in four people with diabetes are
94 rationing their insulin due to costs. Not surprisingly, these
95 patients were three times more likely than patients who weren't
96 rationing their insulin to struggle to maintain healthy glycemic
97 control and experience adverse health effects.

98 These stories and findings show just how urgent this issue
99 is. Lives really are at stake, which is why last year Congressman
100 Tom Reed and I, as co-chairs of the Congressional Diabetes Caucus,
101 conducted an enquiry into the rising costs of insulin. The report
102 ultimately depicts a system of perverse payment incentives and
103 methodologies, a lack of transparency and pricing, and outdated
104 patient regulations. These market failures have allowed a

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105 handful of players along the insulin distribution pipeline, from
106 manufacturers to health insurers, to capitalize on their
107 strategic positions, driving up the price of insulin and
108 minimizing competition. Now it is not my intention to blame these
109 players, but to further examine where the pressure points are
110 throughout the supply chain that are driving the increased costs
111 of insulin to the patient.

112 And this discussion is critical in advance of next week's
113 hearing when we will have several of the key players in front
114 of this committee to discuss the drivers directly. I look forward
115 to hearing from all of our witnesses today who collectively
116 represent a range of key stakeholder associations and networks,
117 clinicians and research perspectives, and also people with
118 firsthand experiences with price challenges.

119 I want to thank each one of you for coming today and sharing
120 your stories with us. Bringing this conversation to light is
121 essential. Better understanding these factors will help us
122 inform the policy decisions and actions. Millions of people who
123 rely on insulin each day and sometimes many times a day are
124 counting on that. Thank you.

125 And now I recognize the ranking member for 5 minutes.

126 [The prepared statement of Ms. DeGette follows:]

127

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***** COMMITTEE INSERT 1 *****

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129 Mr. Guthrie. Thank you, Chair DeGette, for bringing this
130 important hearing together. And we are working together to try
131 to get to the bottom of what is happening in the insulin prices
132 and hopefully use that as a case study for looking at others.

133 The rebates are not only in the insulin space, but the Centers
134 for Disease Control and Prevention estimates that more than 30
135 million individuals or 9.4 percent of the population in the United
136 States have diabetes. A 2018 American Diabetes Association
137 report found that diabetes is the most expensive chronic disease
138 in the United States. According to this analysis, the economic
139 cost of a diagnose of diabetes in the United States in 2017 was
140 \$327 billion. The CDC estimates in 2016 about 6.7 million
141 Americans aged 18 and older used insulin.

142 The insulin prescribed in diabetics today is different than
143 insulin discovered over a hundred years ago. Changes to this
144 lifesaving drug over the years meant that according to the
145 American Diabetes Association, almost everything has changed over
146 the past 50 years for Americans with diabetes including how long
147 a diabetic can expect to live. However, the list price of insulin
148 has increased substantially over the past decade, putting this
149 lifesaving drug out of reach for too many Americans.

150 According to a 2016 study, the average list price of insulin
151 nearly tripled between 2002 and 2013. Many argue that while list

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152 prices have been increasing, net prices have not grown as rapidly
153 having stayed relatively the same or even gone down. For example,
154 one popular insulin product had its list price increase from \$391
155 in 2014 to \$594 in 2018, a 51.9 percent increase. During the
156 same time, however, the product's net price decreased by 8.1
157 percent, going from \$147 to \$135.

158 While no one is supposed to pay the list price for insulin,
159 some patients end up paying the list price or close to it
160 especially if they are uninsured or underinsured. An uninsured
161 patient that purchases insulin at the pharmacy is likely to pay
162 the list price for the medicine unless they have access to a
163 Patient Assistance Program. Further, even if a patient has
164 insurance, increasing list prices oftentimes directly harm
165 patients by increasing their out-of-pocket costs. If they have
166 a high deductible health plan as many Americans do today, they
167 are likely to go pay the list price or close to it until they
168 reach their deductible.

169 While Patient Assistance Programs can be a helpful resource
170 to patients, we have heard from patients and patient advocacy
171 groups that it can be difficult to qualify for a Patient Assistance
172 Program. Patient Assistance Programs are viewed as a helpful
173 resource, but only as a Band-Aid and short-term solution until
174 we can find a permanent solution that improves access to and

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175 affordability of medicine such as insulin. In addition, we have
176 heard the formulary exclusions are helpful to drive down costs
177 to the plans. We have also heard that they are having an impact
178 on patients in the diabetic community.

179 We have heard stories that some patients have had their
180 insurers change the insulin products covered by their plan year
181 to year, or even in some cases in the middle of the year causing
182 them to have to switch to a different insulin product or pay a
183 higher price for the insulin that has been working best for them.

184 Doctors and patients have shared that it can take days or weeks
185 for someone to adjust to a new insulin if they adjust at all.

186 The prescription drug supply chain is complex and it lacks
187 transparency. There is limited public information regarding
188 changes in net prices due to a lack of transparency surrounding
189 rebates and other price concessions. This makes it difficult
190 to fully understand why prescription drug prices like insulin
191 have continued to rise for patients, especially uninsured and
192 underinsured patients. This lack of transparency makes it hard
193 to determine who benefits from increases in list prices, but we
194 know who loses: the patient.

Prescription drug prices

195 affects every American and that is why today's discussion using
196 insulin as a case study is an important step to better understand
197 the rising costs of prescription drugs in our country and how

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198 we can work to make lifesaving prescription drugs more affordable
199 for all patients again. I thank all of our witnesses for being
200 here today and sharing your testimony and I look forward to this
201 important discussion and I yield back.

202 [The prepared statement of Mr. Guthrie follows:]

203

204 ***** COMMITTEE INSERT 2 *****

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205 Ms. DeGette. The chair thanks the gentleman. The chair
206 will now recognize the chairman of the full committee, Mr.
207 Pallone, for 5 minutes for purposes of an opening statement.

208 The Chairman. Thank you, Madam Chair. Today's hearing
209 continues our important effort to examine the high cost of
210 prescription drugs. It is the first of a two-part hearing the
211 subcommittee will hold on the urgent matter of skyrocketing
212 insulin costs in the U.S.

213 American families are suffering from the ongoing and
214 staggering price hikes of insulin. We have all heard the stories
215 of people with diabetes who have gone to extreme measures to obtain
216 the insulin they need as well as those who have died because they
217 could not afford the lifesaving drug. Of the 30 million Americans
218 living with diabetes, over seven million of them rely on one or
219 more formulations of insulin and no one should suffer because
220 the high price of insulin puts it out of reach. Yet that is
221 exactly what is happening. Over the last 20 years, prices for
222 the most commonly prescribed insulins have increased by more than
223 700 percent accounting for inflation. For instance, a vial that
224 once cost \$20, 2 decades ago, now costs over \$250, and there are
225 reports of patients paying more than \$400 per month for their
226 insulin. And this is particularly devastating for the uninsured,
227 people who have high deductible insurance plans, and Medicare

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228 Part D prescription drug beneficiaries who may be in the coverage
229 gap.

230 We must find workable solutions to support the development
231 of high quality drugs and insulin innovations while also ensuring
232 that no one living with diabetes is ever forced to put their life
233 at risk by rationing their insulin because they can't afford it.

234 As the committee continues to explore this issue, it is important
235 to hear today about the drivers of these steep prices and their
236 consequences on the lives of people living with diabetes.

237 Multiple factors influence the price the patient pays for
238 insulin at the pharmacy. The lack of transparency and financial
239 agreements between stakeholders in the supply chain makes an
240 already convoluted system even more complex, but at least some
241 of the pressure points are clear. For instance, we know that
242 insulin manufacturers set the list price of their drugs and may
243 engage in practices that prevent the introduction of generics.

244 We also know that pharmacy benefit managers, PBMs, influence
245 these prices within and throughout the supply chain through
246 negotiated rebates. And we are going to have representatives
247 of these companies before the committee next week and I look
248 forward to asking them about the examples and issues we will hear
249 about this morning.

250 Finally, as with other drugs, insulin pricing is a complex

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251 issue that will require multiple policy solutions. However, I
252 have concerns with the recent proposed rule that would eliminate
253 rebates in Medicare Part D and Medicaid. There is nothing in
254 this proposed rule that would actually require drug manufacturers
255 to reduce their list prices and Health and Human Services' own
256 actuary estimates that the proposal would increase government
257 spending by nearly \$200 billion while premiums and out-of-pocket
258 costs would go up for the majority of Medicare beneficiaries.

259 So I strongly believe that the cost of prescription drugs
260 including insulin must be addressed, but I am concerned that this
261 is not the right approach what has been put in place by the Trump
262 administration. So, finally, if I could just say, the health
263 of millions of people living with diabetes depends on thoughtful
264 policy solutions to address the high cost of insulin.

265 I thank our witnesses for joining us today. Your firsthand
266 accounts, research, and recommendations will be invaluable
267 contributions as we continue to examine this issue. I don't know
268 if anybody wanted my time. And, if not, I will yield back. Thank
269 you, Madam Chair.

270 [The prepared statement of The Chairman follows:]

271

272 ***** COMMITTEE INSERT 3 *****

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273 Ms. DeGette. The chair thanks the gentleman and now
274 recognizes the ranking member of the full committee, Mr. Walden,
275 for 5 minutes for purposes of an opening statement.

276 Mr. Walden. Thank you, Madam Chair, and I deeply appreciate
277 you having this hearing. It is really important. My grandfather
278 suffered from diabetes a long time ago and I can remember as a
279 little kid he lost both legs to gangrene. And that was, you know,
280 you just don't understand that stuff as a kid. My cousin has
281 dealt with diabetes her entire life. So this is really important
282 stuff. And I know your family has issues.

283 And we have to get to the bottom of this because this is
284 a lifelong disease and it affects millions of Americans including
285 more than 300,000 Oregonians. And due to the significant
286 research and development efforts of biopharmaceutical companies,
287 there are over 30 types of innovative insulin available in the
288 U.S. and come in a variety of different formulations and different
289 delivery mechanisms, and there are also obviously numerous oral
290 medications available for type 2 diabetes to help manage the
291 disease.

292 I am proud our committee has championed efforts to accelerate
293 the discovery, development, and delivery of innovative drugs over
294 the last 2 years under the bipartisan leadership of former
295 chairman Fred Upton and of course Congresswoman DeGette.

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296 Congress enacted the 21st century Cures Initiative and our work
297 is not done. We need to continue to promote innovation, but we
298 have got to balance it with affordability and that means
299 competition. As we heard last Congress during our hearing
300 examining the complexity of the prescription drug supply chain,
301 that supply chain has evolved in a way that has ended up, in part,
302 harming some patients at the pharmacy counter.

303 At that hearing I specifically asked the witnesses about
304 the price of insulin and learned that the net price has not changed
305 much over the last few years--the net price. But the list price
306 or sticker price has increased and pharmaceutical manufacturers
307 are providing larger rebates and discounts to their supply chain
308 partners to lower that net price of the medicine.

309 While no one is supposed to pay the list price for insulin,
310 some patients do. They do pay that list price or they pay
311 something close to it when they go to get their drugs at the
312 counter. One study found the average price of an insulin
313 prescription in Oregon went from \$322 in 2012 to \$662 in 2016.

314 That is a hundred percent increase, period. While these
315 prices do not reflect all the discounts, rebates or coupons
316 offered for a product, an insured individual who has not met their
317 deductible or an uninsured person may be asked to pay this amount
318 at the pharmacy counter. Moreover, the co-insurance paid by many

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319 with insurance for their prescriptions is typically a percentage
320 of that list price, not the negotiated net price. The higher
321 the list price, the more these patients pay.

322 The three major manufacturers of insulin in the United States
323 each offer Patient Assistance Programs and we are glad for that
324 and other forms of assistance to help patients access their
325 medicines. These programs are not a long-term solution though
326 to the affordability and access issues, but they are an important
327 effort in the interim to help patients access their lifesaving
328 medicines.

329 I hope to learn more from the witnesses today about how these
330 programs are working and I appreciate your testimony. Some
331 providers also have certain patients pay for their medicines.

332 For example, when we examined a 340B drug pricing program last
333 Congress, we heard that some 340B-covered entities passed along
334 all or part of their discounts to provide certain patients with
335 reduced-price medicines including insulin. Since 340B entities
336 can purchase some insulin products at a significant discount,
337 diabetic patients could really benefit from having these savings
338 pass through directly to them.

339 I also want to ask that we continue our work from last
340 Congress with investigating these cost drivers, Madam Chair, in
341 our healthcare system and that is from top to bottom. As I have

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342 said on many occasions, healthcare costs continue to rise in the
343 United States, and whether it is hospital care or physician and
344 clinical services or prescription drugs, these expenditures are
345 all interrelated as a consumer. So we need a holistic approach
346 to examine the cost drivers in our healthcare system to identify
347 long-term solutions to this complex problem.

348 I want to thank the chair for putting together this important
349 hearing, this excellent panel. We will benefit from your views
350 and your testimony today. And with that I would yield the balance
351 of my time to Dr. Burgess.

352 [The prepared statement of Mr. Walden follows:]

353

354 ***** COMMITTEE INSERT 4 *****

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355 Ms. DeGette. The gentleman is recognized.

356 Mr. Burgess. Thank you, Ms. Chairman.

357 And just to point out, over the last 2 decades there have
358 really been no major changes in the chemical makeup of insulin,
359 no changes in the importance of insulin for insulin-dependent
360 diabetics. So under normal circumstances, in the laws of
361 economics you would expect these trends to decrease, not increase
362 prices.

363 So certainly, I look forward to hearing what our panel today
364 has to say about the massive price increases and perhaps some
365 ideas of what Congress can do to ensure that nobody is forced
366 to choose between insulin and the other necessities of life.
367 And I yield back.

368 [The prepared statement of Mr. Burgess follows:]

369

370 ***** COMMITTEE INSERT 5 *****

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371 Ms. DeGette. The gentleman yields back. I ask unanimous
372 consent that the members' written opening statements be made part
373 of the record. Without objection, they will be entered into the
374 record.

375 I ask unanimous consent for Mr. Rush, Mr. Welch, Ms.
376 Barragan, Mr. Soto, Mr. Carter, and Mr. Bucshon to participate
377 in today's subcommittee hearing, including the opportunity to
378 ask questions of witnesses and submit a written opening statement
379 into the record.

380 Without objection, so ordered.

381 I now want to introduce our panel of witnesses for today's
382 hearing. First, we have Ms. Gail DeVore who is a patient advocate
383 and Coloradoan living with type 1 diabetes for 47 years.

384 Gail, it is great having you here today.

385 Dr. William T. Cefalu who is the chief scientific medical
386 and mission officer of the American Diabetes Association,
387 welcome.

388 Dr. Alvin C. Powers, who is here representing the Endocrine
389 Society and the director of both the Vanderbilt Diabetes Center
390 and the Division of Diabetes, Endocrinology, and Metabolism at
391 the Vanderbilt University Medical Center, welcome.

392 Dr. Kasia Lipska, Clinical Investigator at the Yale-New
393 Haven Hospital Center for Outcomes Research and Evaluation, Yale

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394 University School of Medicine; Ms. Christel Marchand Aprigliano,
395 Chief Executive Officer, Diabetes Patient Advocacy Coalition,
396 welcome to you.

397 And Dr. Aaron J. Kowalski who is the Chief Mission Officer
398 of the Juvenile Diabetes Research Foundation, welcome. Welcome
399 to all of you and thank you for appearing before the subcommittee
400 today.

401 You are aware, I know, that the committee is holding an
402 investigative hearing and so when doing so we have the practice
403 of taking testimony under oath. Does anyone have an objection
404 to testifying today under oath?

405 Let the record reflect that the witnesses have responded
406 no.

407 The chair then advises that under the rules of the House
408 and under the rules of the committee, you are entitled to be
409 accompanied by counsel. Do you desire to be accompanied by
410 counsel during your testimony today?

411 Let the record reflect that the witnesses have responded
412 no.

413 So if you would, please rise and raise your right hand so
414 you may be sworn in.

415 [Witnesses sworn.]

416 Ms. DeGette. Let the record reflect that the witnesses have

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417 responded affirmatively and you now may be seated. Thank you.

418 You are now under oath and subject to the penalties set forth
419 in Title 18 Section 1001 of the U.S. Code.

420 The chair will now recognize our witnesses for a 5-minute
421 summary of their written statements. In front of each of you
422 there is a microphone and a series of lights. The light will
423 turn yellow when you have a minute left and it turns red to indicate
424 your time is coming to an end, and we appreciate you giving us
425 your opinions in that 5-minute period.

426 So, Ms. DeVore, I would like to recognize you first. You
427 are recognized for 5 minutes.

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428 ?TESTIMONY OF GAIL DEVORE, PATIENT ADVOCATE, COLORADOAN, LIVING
429 WITH TYPE 1 DIABETES FOR 47 YEARS; WILLIAM T. CEFALU, M.D., CHIEF
430 SCIENTIFIC, MEDICAL & MISSION OFFICER, THE AMERICAN DIABETES
431 ASSOCIATION; ALVIN C. POWERS, M.D., ENDOCRINE SOCIETY
432 REPRESENTATIVE, DIRECTOR OF VANDERBILT DIABETES CENTER, DIRECTOR
433 OF DIVISION OF DIABETES, ENDOCRINOLOGY, AND METABOLISM,
434 VANDERBILT UNIVERSITY MEDICAL CENTER; KASIA J. LIPSKA, M.D.,
435 CLINICAL INVESTIGATOR, YALE-NEW HAVEN HOSPITAL CENTER FOR
436 OUTCOMES RESEARCH AND EVALUATION, YALE UNIVERSITY SCHOOL OF
437 MEDICINE; CHRISTEL MARCHAND APRIGLIANO, M.S., CHIEF EXECUTIVE
438 OFFICER, DIABETES PATIENT ADVOCACY COALITION; AND AARON J.
439 KOWALSKI, PH.D., CHIEF MISSION OFFICER, JDRF
440

441 ?TESTIMONY OF GAIL DEVORE, PATIENT ADVOCATE

442 Ms. deVore. Thank you, Madam Chair. Thank you, members
443 of the committee, for allowing me to speak today. My name is
444 Gail DeVore. I've lived in Denver for 36 years. My husband is
445 a third-generation Denverite. I'm 58 years old and have had type
446 1 diabetes since Valentine's Day of 1972. That's 47 years, 1
447 month, and 19 days. My husband and I are members of the middle
448 class. We do not live extravagantly. We are very careful with
449 our budget. We have decent insurance, yet the cost of taking
450 care of myself as a diabetic eats a significant hole in our budget

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451 every month. I drive a 17-year-old car that's needed new struts
452 for a few years. It's been a few years since we've had a real
453 vacation, and it's seriously doubtful that either of us will ever
454 have the opportunity to retire.

455 Just as we all need air to breathe, every person on this
456 earth requires insulin to stay alive. Most people's bodies make
457 their own insulin. However, in a type 1 diabetic, our autoimmune
458 system has malfunctioned and killed off those cells that make
459 insulin. We require injections of insulin to stay alive.
460 Without insulin our blood glucose levels rise, our blood turns
461 acidic, we fall into a horrible coma, and we will die without
462 insulin.

463 A little more than a year after I was diagnosed, there came
464 a time that I went without insulin for about 12 hours. Toward
465 the end of that 12 hours I was in a coma. My parents drove me
466 to the hospital an hour away from our home. I spent 2 days in
467 a coma in the ICU and many more days recovering in the hospital.

468 My parents were convinced I was not going to live. I will always
469 need exogenous insulin. Every hour of every day of every week
470 of every month of every year for the rest of my life I need insulin.

471 These four bottles are 1 months' prescription worth \$1,400.
472 In 1972, four bottles of insulin cost my family about five
473 dollars. With an adjustment for cost of living, that would be

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474 no more than a hundred dollars today. Every bottle, each bottle
475 is about \$350 in a cash price at my pharmacy at the full price.
476 For diabetics without insurance coverage or diabetics who have
477 a high deductible plan or when insurance doesn't cover the kind
478 of insulin our doctor wants us to take, that's what we pay out
479 of our own pockets and out of our own budgets to survive. My
480 current insurance actually covers this kind of insulin at a
481 reasonable copay.

482 I also have a prescription for a newer insulin called Fiasp.
483 This is a faster acting insulin with no other alternatives on
484 the market currently that compete with this formula. It's not
485 on the formulary of my insurance. It's \$346.99 at the Kroger
486 Pharmacy near me. There's no way I can afford to use the
487 prescription as it's written every month. To make it last longer,
488 I ration it by diluting with Novolog, which is against the advice
489 of both Novo Nordisk and my doctor.

490 I am personal friends with many other diabetics who must
491 come up with 800, 1,200 and more at the pharmacy window before
492 they meet their deductibles or an insurance does not cover their
493 type of insulin. We all find creative ways to afford insulin.

494 Some insurance plans require us to purchase 60 and 90 days of
495 insulin at one time. That makes the immediate price tag double
496 or triple. It has to be paid in full upon delivery.

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497 Even though I've had type 1 diabetes for most of 5 decades,
498 I'm healthy. Medical research shows that it's highly unlikely
499 that I will ever suffer from complications from diabetes as long
500 as I maintain the current level of control that I have now. But
501 the price of insulin directly impacts how well I can take care
502 of myself. I'm not your typical diabetic. I know my way around
503 government. I know who to call and I have access to some
504 high-level administrators.

505 I sit on the board of directors or committees of the
506 Nightscout Foundation, the JDRF, and the Colorado Consumer Health
507 Initiative. I recently helped get a piece of legislation passed
508 in Colorado that assists all people with chronic illness. It
509 passed unanimously through both Houses and signed by our Governor
510 just 10 days ago. I'm an advocate and I am a problem solver.

511 However, the reality is there are no solutions for affording
512 insulin. There are coupons and there are assistance programs,
513 but they are not available nor do they work for every diabetic.

514 My friend, Clayton McCook, who lives in Oklahoma City has a coupon
515 that knocks \$50 off of every bottle of insulin for his 10-year-old
516 daughter Lily. Last week that brought the cost down to \$1,398
517 for the month. The relief we need is right now. Not next
518 week. Not next year. Before the discovery of insulin, every
519 child that had diabetes died. There are no alternatives to

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520 insulin. It's been almost 100 years since my heroes, Dr. Banting
521 and Dr. Best, figured out that insulin would save our lives.
522 When they sold their patents for one dollar each to the Eli Lilly
523 Corporation, they intended it would always be affordable and
524 accessible. Children and adults are still dying and suffering
525 from disabling complications only because insulin is no longer
526 affordable.

527 Thank you, Committee, for allowing me to testify today.

528 [The prepared statement of Ms. deVore follows:]

529

530 ***** INSERT 6 *****

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531 Ms. DeGette. Thank you so much, Ms. DeVore.

532 The chair now recognizes Dr. Cefalu for 5 minutes.

533 Doctor?

534

535 ?TESTIMONY OF WILLIAM CEFALU, M.D., CHIEF SCIENTIFIC, MEDICAL
536 & MISSION OFFICER, THE AMERICAN DIABETES ASSOCIATION

537

538 Dr. Cefalu. Thank you, Chair DeGette, Ranking Member
539 Guthrie, and all members of this subcommittee for the opportunity
540 to discuss insulin affordability. Over 30 million Americans have
541 diabetes and about 7.4 million of them rely on insulin. For
542 millions of people with diabetes, including all those with type
543 2 diabetes, access to insulin is literally a matter of life and
544 death. There is no medication that can be substituted for
545 insulin.

546 As the leading organization whose mission is to prevent and
547 cure diabetes and improve the lives of all people affected by
548 diabetes, the American Diabetes Association believes that no
549 individual in need of insulin should go without it due to
550 prohibitive costs. In 1921, Canadian scientists, Frederick
551 Banting and Charles Best, discovered insulin, revolutionizing
552 diabetes care and making it possible for patients to live with
553 the disease.

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554 Banting and Best sold the patent to the University of Toronto
555 for three dollars to ensure affordable insulin for all who need
556 it. Since that discovery, further innovations have resulted in
557 new formulations of insulin, from the animal insulin to the human
558 insulin to the 1990s, the analog insulins. In recent years, there
559 have been fewer advancements, yet prices continue to rise.
560 Between 2002 and 2013, the average price of insulin nearly
561 tripled, causing patients' out-of-pocket costs to rise and
562 creating a tremendous financial burden for many who need insulin
563 to survive.

564 Dangerously, more than a quarter of individuals report
565 making changes to their purchase of insulin due to cost. When
566 people cannot afford their insulin they skip doses or they take
567 less than they need. This is called rationing. This puts them
568 at risk for the devastating and sometimes deadly complications.

569 If a person has type 1 diabetes and goes without insulin for
570 as little as a day, they can develop diabetic ketoacidosis which
571 can lead to death. Increasingly, ADA has heard stories of
572 individuals forced to ration their insulin or forced to go without
573 other important necessities so they can purchase the amount of
574 insulin they need.

575 We needed to act on behalf of all those who struggle. In
576 November of 2016, the ADA board of directors unanimously passed

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577 a resolution on all entities in the insulin supply chain to
578 substantially increase transparency and pricing and to ensure
579 that no person with diabetes is denied affordable access to
580 insulin. ADA's resolution also called upon Congress to hold
581 hearings with all entities in the insulin supply chain to identify
582 the reasons for the dramatic increases and to take action to ensure
583 that all people who use insulin have affordable access to the
584 insulin they need. In concert with the board resolution, ADA
585 initiated a grassroots petition calling for the same actions.

586 Since launching this in 2016, over 480,000 people have signed
587 this petition. We continue to hear from individuals who are
588 impacted by the high cost of insulin. For example, Chair DeGette,
589 we heard from Ann in Colorado. Ann has two young children who
590 require insulin every day for life. At the beginning of the year,
591 their monthly costs for insulin were \$875. When the pharmacist
592 asked Ann for this sum of money, she was shocked. She asked the
593 pharmacy to run it through insurance. Unfortunately, he already
594 had. Ann had to leave the medication at the pharmacy, go home
595 and comb through her monthly budget to make sure they had enough
596 money to pay for the medicine that would keep her two children
597 alive.

598 As a physician, I've witnessed firsthand how the incredible
599 research advances from biomedical research have dramatically

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600 improved the lives of those with diabetes. However, this
601 incredible innovation does not benefit those who can't afford
602 their treatments. The ADA established an Insulin Access and
603 Affordability Working Group to ascertain the full scope of the
604 problem and advised the ADA on strategies to lower the cost of
605 insulin. The Working Group held discussions with more than 20
606 stakeholders representing entities throughout the supply chain.

607 The Working Group published a white paper in Diabetes Care in
608 May of last year outlining what we learned. In follow up, the
609 ADA published a set of public policy recommendations that we
610 believe will help reduce the cost of insulin.

611 I look forward to working with you and others in Congress
612 to develop strategies to lower the rising cost of insulin. And
613 thank you, Chair Degette, Ranking Member Guthrie, and all members
614 of this subcommittee for holding this very important hearing.

615 [The prepared statement of Dr. Cefalu follows:]

616

617 ***** INSERT 7 *****

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618 Ms. DeGette. Thank you so much, Doctor.

619 The chair now recognizes Dr. Powers for 5 minutes for an
620 opening statement.

621

622 ?TESTIMONY OF ALVIN POWERS, M.D., ENDOCRINE SOCIETY

623

624 Dr. Powers. Good morning. Thank you, Chair DeGette,
625 Ranking Member Guthrie, and members of the subcommittee for the
626 opportunity to provide a physician's perspective on the scope
627 of the problem of insulin affordability. I'm Alvin Powers and
628 I'm a physician scientist and I'm here representing the Endocrine
629 Society. With over 18,000 members, the Endocrine Society is the
630 world's oldest and largest organization of scientists and
631 physicians devoted to hormone research and caring for patients
632 who have hormone related conditions like diabetes.

633 One of the most frequent concerns we hear from our members
634 is the rising cost of insulin. As the director of the Vanderbilt
635 Diabetes Center, our healthcare providers and I have many patients
636 who struggle to afford their insulin.

637 The need to address this growing problem is urgent. People are
638 rationing their insulin and foregoing other necessities. This
639 leads to serious health problems and hospitalizations. While
640 I live in the diabetes belt in Tennessee, the story is no different

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641 in Colorado, Kentucky, or elsewhere in the U.S. In this broad
642 context of drug pricing debate, the problem of insulin
643 affordability, I believe, is unique and merits special attention.

644 Here's a few reasons why I think it's unique. We've already
645 heard that more than seven million people use insulin each day
646 to manage their diabetes and that people who have type 1 diabetes
647 must have insulin to survive. There is no other lifesaving drug
648 used by so many people who would die in a matter of days if they
649 didn't take it. We've also heard about the rising price of
650 insulin over the past 15 years and it's difficult to understand
651 how a drug that has not changed has skyrocketed in price. In
652 2017, expenditures for insulin in the United States reached \$15
653 billion and three of the top ten medication costs were for a type
654 of insulin.

655 We've also heard about how insulin has been around a long
656 time. After scientists discovered it in 1921 and saw its
657 miraculous effect on people with diabetes, Frederick Banting,
658 one of the co-discoverers says, "Insulin belongs to the world,
659 not to me." The discoverers as we've mentioned have sold the
660 patent so that all patients would have access. However, it seems
661 that exactly the opposite has happened, especially in the United
662 States.

663 Let me illustrate the challenges that our patients face.

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664 For example, if I'm at my office seeing a patient who has type
665 1 diabetes who requires injections of both the long-acting and
666 a short-acting insulin each day, I prescribe both types of
667 insulin. But while I'm sitting with the patient, I have no idea
668 how much my patient will pay of that because the electronic health
669 systems don't communicate patients' specific benefits.

670 When she goes to the pharmacy, she learns that she owes \$1,200
671 for her four bottles of insulin that month, and why, it's because
672 she has a high-deductible plan and it's January. This scenario
673 could be true for many working Americans and many in this room
674 who have high-deductible health plans. Our insulin supply chain
675 is broken, unfair, and dangerous. Our patients deserve better.

676 Here are some observations and suggestions about the insulin
677 supply chain. No one understands why insulin cost is rising.

678 There's a lack of transparency and how drug prices are
679 negotiated. Rebates between manufacturers, PBM, and health
680 plans are not passed along to consumers. Patients have
681 increasingly high-deductible health plans dramatically
682 increasing their out-of-pocket costs for lifesaving medications
683 like insulin.

684 Patient Assistance Programs are complicated, difficult to
685 navigate, and overly restrictive. Because of lack of
686 information, it's difficult for patients and their physicians

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687 to have informed decisions about the cost of a patient's insulin.

688 And finally, regulatory systems and patent extensions restrict
689 the introduction of more generic or biosimilar insulins. Now
690 there's plenty of blame to go around, but that doesn't solve the
691 problem or help our patients.

692 Addressing the insulin cost problem is a priority for the
693 Endocrine Society. We recently released a position statement
694 outlining ways that stakeholders can improve insulin's
695 affordability and we've submitted this for the record. I believe
696 that we can make progress on insulin pricing and affordability.

697 This can be a road map and can be extrapolated to other
698 medications. I look forward to working with the subcommittee
699 as it moves forward in addressing this important issue. Thank
700 you very much.

701 [The prepared statement of Dr. Powers follows:]

702

703 ***** INSERT 8 *****

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704 Ms. DeGette. Thank you so much, Dr. Powers.

705 The chair now recognizes Dr. Lipska for her opening
706 statement.

707 Doctor?

708

709 ?TESTIMONY OF KASIA LIPSKA, M.D., CLINICAL INVESTIGATOR, YALE
710 UNIVERSITY SCHOOL OF MEDICINE

711

712 Dr. Lipska. Thank you, Chair DeGette, Ranking Member
713 Guthrie, and distinguished members of the Energy and Commerce
714 Subcommittee on Oversight and Investigations. Good morning.
715 My name is Kasia Lipska and I am an adult endocrinologist and
716 a research scientist on the faculty at the Yale School of Medicine.

717 I am really grateful for the opportunity to share with you my
718 experiences as a clinician and scientist. And I'd like to state
719 for the record I don't have any financial ties whatsoever to drug
720 manufacturers and my views are my own.

721 First, I would like to tell you about a patient of mine.

722 I'm going to call her Maria to protect her privacy. Maria is
723 a 78-year-old woman who has type 2 diabetes, but relies on insulin
724 injections several times a day to keep her blood sugars in check.

725 When she saw me, Maria's blood sugars were running too high and
726 this put her at risk for the complications of diabetes including

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727 blindness, amputations, and kidney failure leading to dialysis.

728 So I turned to Maria and I said, "Maria, it's time to increase
729 the dose of your insulin." But she turned back to me and she
730 said, "Doc, I really can't afford to."

731 Seeing patients like Maria led me to wonder just how common
732 this was, so in the summer of 2017 we conducted a survey of patients
733 at our Yale Diabetes Center to get a better picture. We found
734 that one in four patients who are prescribed insulin reported
735 using less than prescribed over the past year, specifically
736 because of cost. And not surprisingly, these same patients had
737 poor control over their blood sugar, so almost threefold higher
738 chances of having poor blood sugars.

739 These findings were published in JAMA Internal Medicine and
740 they have national implications. That's because our Center's
741 diabetes patients are similar to diabetes patients in the U.S.
742 and New Haven's demographics happen to be almost a perfect mirror
743 of our nation. So the takeaway here is that one-quarter of our
744 patients are rationing insulin and putting their health at serious
745 risk.

746 Insulin is a lifesaving drug. It keeps patients with
747 diabetes alive and out of the hospital. When patients use less
748 insulin than is necessary, they risk the devastating
749 complications we've already heard about. So let me give you a

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750 sense of why so many patients ration insulin. One vial of Lantus
751 insulin--that's the long-acting insulin--costs over \$200 at a
752 Connecticut pharmacy. That's the best price available when you
753 go online and search. This can last for a week or a month
754 depending on the dose needed. If a patient wants to take this
755 insulin as a prefilled pen which is more convenient that will
756 run them almost \$300. And this price has skyrocketed over the
757 past years.

758 Now Gail showed this to you earlier. What I'm holding here
759 in this glass vial is insulin. This is Humalog insulin. It's
760 quite small, right? This vial of insulin cost just \$21 when it
761 first came on the market in 1996. It now costs \$275. There is
762 nothing different about this Humalog. There is no innovation
763 in this Humalog. It's the same, exact insulin hormone. The only
764 thing that's changed is its price. Now Eli Lilly has made a big
765 deal about its launch of an authorized generic for half the cost.

766 But let's keep this in perspective: \$137 is still seven times
767 the original price. So what accounts for this? Drug makers
768 and many organizations who are beholden to them make excuses
769 for why prices have gone up. They say it's the fault of PBMs
770 or the wholesalers, but the bottom line is that drug prices are
771 set by drug makers. The list price of insulin has gone up and
772 that's the price that many patients pay. This is what needs to

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773 come down, it's as simple as that.

774 I'm here today because as a clinician I have very little
775 to provide to my patients in the way of a solution. The Patient
776 Assistance Programs offered by many drug makers aren't helping
777 much. It's hard to find a patient who actually qualifies for
778 their assistance. I can help my patients shop for the best price
779 of insulin, connect them with a discount pharmacy, but these as
780 was said before are Band-Aid solutions.

781 I think we have a moral obligation to address this problem.
782 My patients like Maria are counting on you. Thank you.

783 [The prepared statement of Dr. Lipska follows:]

784

785 ***** INSERT 9 *****

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786 Ms. DeGette. Thanks so much, Doctor.

787 Now I am very pleased to recognize Ms. Aprigliano for 5
788 minutes.

789

790 ?TESTIMONY OF CHRISTEL MARCHAND APRIGLIANO, CHIEF EXECUTIVE
791 OFFICER, DIABETES PATIENT ADVOCACY COALITION

792

793 Ms. Marchand Aprigliano. Thank you, Chairwoman DeGette and
794 Ranking Member Guthrie and members of the Oversight and
795 Investigations Subcommittee. My name is Christel Marchand
796 Aprigliano and I serve as the CEO of the Diabetes Patient Advocacy
797 Coalition. DPAC is a nonpartisan nonprofit dedicated to
798 promoting safety, quality, and access to diabetes medications,
799 devices, and services.

800 I was diagnosed with type 1 diabetes in 1983 and like others
801 here today have been personally impacted by the rising list prices
802 of insulin analogs. My testimony I hope will provide a frank
803 look at how our community is attempting to obtain insulin and
804 potential solutions. People with diabetes who can least afford
805 this life-essential drug are paying the most and some are paying
806 with their lives. And it wasn't always this way, so let's take
807 a look quickly about how we got here.

808 List prices are set by manufacturers and include rebates

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809 to entice pharmacy benefit managers to place a drug on its
810 formulary, and it's a vicious circle. To get preferred status
811 on a formulary, manufacturers give higher rebates. The higher
812 the rebate, the higher the list price. And more people are being
813 subjected to list price than ever before as traditional insurance
814 plans have been replaced by plans that include high deductibles
815 and increased patient cost sharing based on a percentage of the
816 list price rather than a flat copayment, and nobody as said before
817 should ever pay list price.

818 In December of 2011, I paid \$40 for a copay for insulin.
819 1 month later, in January of 2012 that same prescription cost
820 me \$1,269. My husband's employer had switched to a
821 high-deductible health plan which placed the burden of full list
822 price on us until we reached a \$13,500 deductible. We had a new
823 baby and one source of income and we had put money aside and it
824 was meant for emergencies. Our emergency became insulin. For
825 many of my friends, this emergency happens every single month
826 and there is no more money to put aside. Now we can discuss
827 what options are currently available to patients and even the
828 financial help offered through copay cards and Patient Assistance
829 Programs are not enough to make access affordable. For those
830 with a commercial insurance, copay cards may help offset the high
831 cost of insulin. Those who believe that copay cards pushes away

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832 from generic options, please understand that for insulin analogs
833 there are no generic substitutes. This is why policies that seek
834 to address Patient Assistance Programs must be carefully nuanced
835 to address potential abuses of the system and not punish the
836 patients who depend upon them.

837 To circumvent the broken rebate system, nonprofit
838 foundations created Patient Assistance Programs to help those
839 who are uninsured, underinsured, or facing a financial crisis.
840 However, these can fail. I can personally attest to this. DPAC
841 and other patient organizations recently conducted a survey to
842 learn how people with diabetes were using Patient Assistance
843 Programs. We discovered that patients only had a 50 percent
844 chance of being helped by these assistance programs, and
845 approximately 44 percent of those who did receive help reported
846 a delay in receiving medications.

847 With insulin, you cannot afford a delay. I have to note
848 that 2.3 million Medicare Part D beneficiaries are often
849 ineligible for help for these Patient Assistance Programs and
850 copay cards. They have nowhere to turn. When these stop-gap
851 measures fail, my community goes to desperate measures and
852 desperate extremes to stay alive: online fundraisers, grey market
853 sales or trades, and even shopping abroad. All of these avenues
854 are a last-ditch response to our current broken insulin system

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855 and all of them come with risks and none of them are permanent
856 solutions. Our community is crying out for relief and the
857 solution, we believe, involves dismantling the current system
858 that promotes high prices in favor of discounts or true list
859 pricing at the point of purchase where patients and not PBMs or
860 any other portion of the supply chain profit.

861 DPAC supports the rebate proposal for Medicare Part D because
862 of the two safe harbor protections that will transform the current
863 system. One is to remove the rebates and instead create discounts
864 at the point of sale directly to the patient, and the second is
865 the creation of a fixed fee arrangement for PBMs rather than a
866 percentage of the list price of the drug. We call on Congress
867 to expand HHS's proposed rule to all insurance plans offered to
868 Americans. This would help to destroy the perverse system of
869 increasing list prices in order to increase the rebate amount
870 given to PBMs.

871 If enacted in conjunction with an expansion of Patient
872 Assistance Programs to help uninsured patients, all patients will
873 benefit and we need solutions now. For medical professionals
874 who feel helpless when their patients suffer, for family members
875 who worry about us, and for patients like me who need insulin
876 to live, every single person who takes insulin must be given the
877 opportunity to raise their voice to help solve this issue.

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878 And thank you for bringing DPAC to bring this patient's voice
879 into this life or death conversation. I appreciate your time.

880 [The prepared statement of Ms. Marchand Aprigliano follows:]

881

882 ***** INSERT 10 *****

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883 Ms. DeGette. Thank you so much.

884 The chair now recognizes Dr. Kowalski.

885 Doctor, for 5 minutes.

886

887 ?TESTIMONY OF AARON KOWALSKI, PH.D., CHIEF MISSION OFFICER, JDRF

888

889 Mr. Kowalski. Thank you. Chairwoman DeGette, Ranking
890 Member Guthrie, thank you and members of the subcommittee for
891 inviting me to speak today. What you're seeing is a united
892 community here. We need to fix this problem. In 1977, my younger
893 brother Stephen was diagnosed with type 1 diabetes, or T1D, at
894 the little age of 3, and then it was a bolt out of the blue for
895 our family. Then in 1984, I too was diagnosed with T1D. My
896 career has been focused on the fight to cure this terrible disease
897 and importantly help people stay healthy until that day.

898 As Chief Mission Officer at JDRF, the leading organization
899 funding type 1 diabetes research, I'm very grateful for the
900 opportunity to share our perspective and experiences of the many
901 who are grappling day-to-day with--and you've heard this term
902 many times--skyrocketing insulin costs. Type 1 diabetes is a
903 fatal disease without insulin. Millions of Americans must take
904 insulin many times a day, every day, just to survive. Yet as
905 you know, the cost of insulin has soared. You've heard of Dr.

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906 Lipska of the price. It's doubling, it's tripling, depending
907 on the years--2012, 2016--it's out of control. Beyond the data
908 are the lives of real people, your constituents.

909 As I travel the country the number one question I get asked,
910 how can we make insulin more affordable? Even my own family's
911 been affected. My brother has benefited tremendously from
912 advances in modern insulins. They've significantly reduced
913 life-threatening and costly, severe hypoglycemic episodes. But
914 even as an owner of a small business in New Jersey, Steve was
915 spending over \$8,000 out-of-pocket for his insulin. His wife
916 switched jobs just to obtain better insurance that would cover
917 this cost.

918 When people with diabetes can't afford insulin, they resort
919 to drastic and life-threatening measures to stay alive. Again,
920 you heard Dr. Lipska talk about the number, 25 percent, of people
921 taking less insulin than they need just to save on cost. At a
922 time when new innovations can enable people with type 1 diabetes
923 to live longer and healthier lives than ever before, the dramatic
924 rise in the cost of insulin is undercutting this progress.

925 To get the best outcomes people with diabetes need access
926 to affordable insulin and diabetes management tools year around.
927 Without them people are not able to manage their blood sugar,
928 threatening their health, driving up costs including doctors'

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929 visits, hospitalizations, and ultimately terrible complications
930 such as diabetic eye and kidney disease. At times, tragically,
931 the results can be fatal.

932 No one should suffer or die because they can't afford
933 insulin. No one should suffer or die because they can't afford
934 insulin.

935 The time for action is now. We need systemic change, change
936 that you all can make happen. On behalf of JDRF, I want to thank
937 Congress for your commitment to solving this problem. Through
938 our Coverage2Control campaign we've been rallying our community
939 to call on companies to lower the price of insulin, and for health
940 plans, employers, and the government to take steps to lower
941 out-of-pocket costs. First, manufacturers need to lower the
942 list price of insulin. To do this, rebates must be eliminated
943 from the drug reimbursement system. We support the
944 administration's proposed anti-rebate rule and urge Congress to
945 end rebates in the commercial sector as well.

946 Second, insurers and employers must provide affordable
947 coverage that reflects insulin's role as a lifesaving and
948 sustaining drug. We support the policies that remove insulin
949 from the deductible and provide it with a flat dollar copayment.

950 At the same time, the public and private sector need to do more
951 to help those who are uninsured obtain insulin they need to stay

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952 alive and to thrive.

953 Third, we need to continue to invest in research. At JDRF
954 we believe affordability and innovation go hand-in-hand to
955 improve outcomes. Thanks to Congress's strong bipartisan
956 commitment to the Special Diabetes Program and private investment
957 from groups like JDRF, we are making progress on even better
958 insulins, ones that are maybe glucose-responsive or
959 faster-acting. On artificial pancreas systems, beta cell
960 therapies and immunotherapies that will ultimately cure this
961 disease.

962 While we work towards a brighter tomorrow, we need to ensure
963 that today all who need insulin to stay alive can obtain it.
964 Thank you, members, for your outstanding leadership on this issue.

965 I ask you to continue the fight alongside us.

966 [The prepared statement of Mr. Kowalski follows:]

967

968 ***** INSERT 11 *****

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969 Ms. DeGette. Thank you so much, Doctor. And thank you to
970 the entire panel for, really, what was compelling testimony and
971 very informative for the committee.

972 It is now time for members to have the opportunity to ask
973 questions and the chair recognizes herself for 5 minutes.
974 We have heard unconscionable stories this morning about patients
975 being forced to make sacrifices in their daily lives because they
976 can't pay for insulin or even going without this lifesaving drug.

977 Ms. deVore, I want to start with you. You are a patient
978 advocate, but you also live with type 1 diabetes, yourself, and
979 so you are familiar with these types of tough choices due to
980 insulin prices. I want to ask you, given your advocacy roles
981 would you agree that there are still far too many diabetic patients
982 or parents of diabetic children who are unable to access
983 affordable insulin and then they are making these difficult
984 choices?

985 Ms. deVore. Am I on now?

986 Ms. DeGette. Yes.

987 Ms. deVore. Every day I get emails from people asking how
988 do I afford insulin? Every day. And every day I have to help
989 them find a way to find insulin. These are families. These are
990 adults. They're from every economic sector of our society. No
991 one's exempt. Diabetes does not discriminate and the price

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992 certainly doesn't. The price isn't dependent on your income.

993 Ms. DeGette. That is right.

994 Ms. deVore. It's always the expensive price that each of
995 us has to pay if our insurance, or we don't have insurance, if
996 it doesn't cover it.

997 Ms. DeGette. So, Dr. Lipska, we heard from the drug
998 companies that the current--what they say is the current pricing
999 system generally works for most people living with diabetes, but
1000 your study found 1 in 4 of your patients rationed their insulin
1001 at some point in the last year. So I would like you to comment
1002 about this and tell us what you think about the drug companies'
1003 argument that it is working for most people.

1004 Dr. Lipska. Thank you for that question. It is clear that
1005 the system is broken. It is clear that this is not working for
1006 many people. So we've heard stories, some of them highly
1007 publicized, people have died because they were rationing insulin.

1008 But we know now with this research that we've done at the Yale
1009 Diabetes Center, but also the survey done by the American Diabetes
1010 Association and other surveys conducted by advocacy groups that
1011 this is widespread.

1012 Ms. DeGette. It is not just a few people, it is like 1 in
1013 4 people, right?

1014 Dr. Lipska. It is not just--it is 1 in 4.

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1015 Ms. DeGette. Right.

1016 Dr. Lipska. A quarter of people. This is a huge
1017 proportion.

1018 Ms. DeGette. Thank you.

1019 Dr. Cefalu, similar question, you testified that the ADA
1020 insulin affordability survey found in the last year over a quarter
1021 of those who responded had to make changes to their purchase of
1022 insulin due to cost. Based on these findings, what do you think
1023 the size of the population that the system is failing? How many
1024 people do you think this is?

1025 Dr. Cefalu. Well, Chair DeGette, I'm not sure of the
1026 absolute numbers, but it's interesting that our survey at the
1027 American Diabetes Association actually agreed with the report
1028 from Dr. Lipska that 1 out of 4 reported that the cost of insulin
1029 either affected their--the cost either affected their purchase
1030 or use of insulin. What's disturbing is that of 1 out 4 either
1031 skipped doses, rationed doses, or more importantly they had a
1032 discussion with their physician and went to an insulin that may
1033 not have worked as well.

1034 So this is more than an inconvenience for the patient. And
1035 the concern is that if you make it more difficult for the patient
1036 to get the care they need, they're not going to be adherent to
1037 medication strategy. And if you're not adherent to medication

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1038 strategy, that's going to relate to worse outcomes over time.

1039 Ms. DeGette. Right. People could get the side effects that
1040 we are so--that Ms. DeVore said if you take--if you go by your
1041 regimen with the correct insulins then you don't get the side
1042 effects now, but if you are rationing, if you are not under control
1043 then you do.

1044 Dr. Cefalu. Well, we actually found that if people actually
1045 had to make a choice with their insulin and because of the cost
1046 of insulin they either skip dose or rationed it, the outcomes
1047 are worse.

1048 Ms. DeGette. Right.

1049 Dr. Cefalu. And, actually, in the survey if you'll allow
1050 me--

1051 Ms. DeGette. You know, we don't have a lot of time.

1052 Dr. Cefalu. No, it's just that there was more emergency
1053 room visits, there's more hypoglycemia. There was worse control
1054 because of the costs in these patients, so it's clear that this
1055 is a problem to our patients and cost is indeed affecting outcome.

1056 Ms. DeGette. Right, thank you.

1057 Dr. Lipska, very briefly I wanted to ask you, so the
1058 manufacturers and the pharmaceutical companies say that if we
1059 lower price it is going to stifle innovation. Do you believe
1060 that is true?

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1061 Dr. Lipska. So I'll just go back to this vial of insulin.

1062 This is the same stuff, right. This is the same insulin that's
1063 been around since 1996. Nothing has changed except the price.

1064 I think drug makers can charge what they do because we continue
1065 to pay, and this has to stop. I think that you, as Congress,
1066 have an opportunity and we have an obligation to fix this.

1067 Ms. DeGette. Thank you.

1068 So I would just ask, as I mentioned in my opening statement
1069 Congressman Reed and I, as chairs of the Diabetes Caucus, did
1070 our own investigation last year and we issued a report in November
1071 of last year called "Insulin: A lifesaving drug too often out
1072 of reach." I would like to ask unanimous consent to put this
1073 in the record, so ordered.

1074 [The information follows:]

1075

1076 ***** COMMITTEE INSERT 12 *****

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1077 Ms. DeGette. And I also am going to give a copy of this
1078 to every member on the panel, because we researched. We talked
1079 to all of your organizations and we researched this over a year
1080 and we made policy recommendations in this report. I think it
1081 would be really useful for the members of this committee to read
1082 this report and to listen to your testimony before we come back
1083 next week for our hearing with some of the actors in the market.

1084 And with that, thank you very much for your comity to the
1085 ranking member and I am now pleased to recognize Mr. Guthrie for
1086 5 minutes.

1087 Mr. Guthrie. Thank you very much.

1088 And it is important to note there is a lot of innovation
1089 going on in the artificial pancreas, the trying to regenerate
1090 pancreatic function within diabetes, so that is stuff we don't
1091 want to stifle. Dr. Lipska hit it perfectly. We are looking
1092 at specifically at insulin, not all the other innovations going
1093 on because of little change, but little change in product, but
1094 big change in price. On the Republican side, we sent letters
1095 to both drug manufacturers and to the PBMs and we got a lot of
1096 different explanations on why the list price was going up while
1097 the net price stayed low. We posed similar questions to both
1098 sides and got a lot of different answers.

1099 So I want to go to Dr. Cefalu. The Working Group convened

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1100 by the American Diabetes Association held discussions with more
1101 than 20 stakeholders representing entities throughout the insulin
1102 supply chain. After having these conversations, the Working
1103 Group concluded that current pricing and rebate system encourages
1104 high list prices.

1105 Can you please elaborate on how we got to a pricing and rebate
1106 system that encourages high list prices and, in your opinion,
1107 why did the pricing and rebate system evolve this way?

1108 Dr. Cefalu. Well, again, thank you. The question as far
1109 as the Working Group, we recognize that first and foremost the
1110 increase in transparency is the first step toward viable long-term
1111 solutions. The current rebate system as arranged in the list
1112 price, as the list price increases that our current drug price
1113 and rebate system encourages a high list price. So as the list
1114 price is increasing, intermediaries within the supply chain
1115 benefit.

1116 The way this system is currently based fees, rebates, and
1117 discounts may be based on a percentage of that particular list
1118 price, so there are incentives throughout the supply chain that
1119 keep that list price high.

1120 Mr. Guthrie. Okay. One thing we have heard from
1121 stakeholders is that the manufacturers set the list prices and
1122 they should just lower their list price. Manufacturers, however,

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1123 we learn there is always, this is very difficult in trying to
1124 find how it works. Manufacturers have told us that it is not
1125 as simple as that. They say if they lowered their list price,
1126 a PBM would be less likely to give them good formulary placement
1127 and therefore give patients more affordable access to their drugs
1128 because they couldn't offer as big of a rebate on the product.

1129 What do you think would happen if a manufacturer just lowered
1130 the list price given how the current price system and rebate system
1131 works? I don't know if you want to say they just lower it and
1132 change the system, but under the current system can they just
1133 lower their price?

1134 Dr. Cefalu. Well, based on what we found in the Working
1135 Group, there are issues at every level of the supply chain and
1136 it's a complex chain and there's no question that the
1137 manufacturers set the list price. But there's also no guarantee
1138 if that list price drops that there's going to be subsequent
1139 changes throughout the supply chain. We need to move away from
1140 a system that's based less on high list prices and rebates and
1141 make sure that discounts and rebates negotiated throughout the
1142 supply chain make it to the patient at the pharmacy counter.
1143 That's what's not happening now. So to your question,
1144 Congressman, simply lowering the list price unless you can control
1145 what happens downstream in the intermediaries and what happens

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1146 to the patient, there's no guarantee that just dropping the list
1147 price, in my opinion, and from the Working Group is going to get
1148 the job done. We need systematic change to make sure these
1149 discounts and rebates flow to the patient at the point of sale.

1150 Mr. Guthrie. Thank you.

1151 Ms. Marchand Aprigliano, in your testimony you highlight
1152 how we need systematic changes. The current complex pricing and
1153 rebate system, similar question, is harming many patients through
1154 the increased out-of-pocket costs. Given all the work you have
1155 done examining the insulin supply chain, what do you think would
1156 happen if a manufacturer just lowered their list price given how
1157 the current pricing and rebate system works?

1158 Ms. Marchand Aprigliano. So the current contracts that are
1159 currently in place with the pharmacy benefit managers and the
1160 manufacturers are secret. We have no idea how much we're actually
1161 receiving in terms of that rebate, and we've been told that the
1162 rebates are then spread throughout those who have insurance and
1163 are used to lower premiums or to help in the possible cost
1164 sharings.

1165 I don't know about anybody sitting here at the table, but
1166 my premium has never gone down. The cost of insulin keeps going
1167 up and I'm paying more and more in cost sharing. I'm not quite
1168 sure if magically the list price would suddenly drop down, I don't

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1169 believe that it would immediately. I believe that entire
1170 disruption of the rebating system needs to happen and it needs
1171 to happen now.

1172 I do want to bring up one of the things that we talk about
1173 when we talk about rationing in 1 in 4. Part of that is, is it's
1174 a psychological torture that we all go through every month because
1175 we don't know if something is going to happen and we are going
1176 to lose access to our insurance or we are going to have to pay
1177 list price at that counter. And so every year when we see list
1178 prices rise and we wonder where exactly all that money is going
1179 to, we have no idea if it's going to rebates or to help lower
1180 the cost of an entire system in an insurance plan to help everybody
1181 else.

1182 Are we subsidizing people who are healthy with the cost of
1183 insulin? And I think that that's the case right now.

1184 Mr. Guthrie. Thank you for your testimony and I am out of
1185 time so I will yield back.

1186 Ms. DeGette. The chair now recognizes the chairman of the
1187 full committee, Mr. Pallone, for 5 minutes for questioning.

1188 The Chairman. Thank you, Madam Chair. We have heard today
1189 that the amount people ultimately pay for insulin can be
1190 significantly influenced by the manufacturers' list price even
1191 if they have insurance, and that price forces people to make

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1192 incredibly difficult decisions between the medicine that
1193 literally keeps them alive and all other aspects of their lives.
1194 So I will try to get a bunch of questions in here as quickly
1195 as possible.

1196 Dr. Cefalu--I don't know if I am pronouncing it right. Your
1197 testimony stated and I quote, when people cannot afford the
1198 insulin they need, they may skip doses or take less than they
1199 need. This puts them at risk for devastating and sometimes deadly
1200 complications. So, Doctor, what do you know about the people
1201 who are burdened the most by rising list prices and therefore
1202 most at risk for these complications that you mention?

1203 Dr. Cefalu. So the question is what is the most vulnerable
1204 population?

1205 The Chairman. Well, I mean what--tell us, you know, a little
1206 more about, you know, the person who is impacted by this and,
1207 you know.

1208 Dr. Cefalu. Sure, okay. So you've heard every--panelists
1209 have talked about cases where individuals cannot afford their
1210 insulin. And when you begin to ration insulin, two things happen.
1211 First and foremost, if you control the blood glucose, if between
1212 the provider and the patient that amount of insulin you give
1213 control the glucose and then you ration insulin and glucoses begin
1214 to rise, over the short term, uncontrolled dehydration. And

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1215 again, if there's less insulin in a type 1 will lead to the acute
1216 complication of diabetic ketoacidosis, which if not effectively
1217 treated does lead to death.

1218 Over the long term, we've had studies for 20 years that show
1219 that adequate glucose control does prevent the blindness, the
1220 kidney disease, and the nerve disease. So the concern is now
1221 if someone takes less insulin to get by throughout the day and
1222 this is chronic uncontrolled glucoses, then over the long period
1223 they're going to give rise to more blindness and kidney disease
1224 and nerve disease. And we've spent 20 years as a medical
1225 community reversing these changes, and now if we can't afford
1226 the insulin to control glucose that will be a long-term control--

1227 The Chairman. Okay. Well, that is very helpful. Thank
1228 you.

1229 And, Dr. Kowalski, you are aware of individuals forced to
1230 take these risks, being forced to choose between filling their
1231 prescription and paying for essential household expenses. How
1232 common of a problem is this where people have to make those
1233 choices?

1234 Mr. Kowalski. Yeah, I think it's really interesting we're
1235 talking about insulin rationing and a quarter of people are
1236 insulin rationing, but we aren't talking about this other part
1237 where people who aren't rationing are making decisions that is

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1238 either paying a mortgage, paying a car payment, college tuition,
1239 debt. And this is very common as we've seen an increase, a
1240 significant increase in people moving from traditional fixed
1241 copays to high-deductible plans. And people with diabetes who
1242 have high-deductible plans are hurt terribly by these rising
1243 costs.

1244 The Chairman. All right, thank you.

1245 Let me ask Dr. Lipska. Thanks for your research into insulin
1246 affordability and bringing to light the effects that high costs
1247 have on your patients' treatment. Just if you could, what
1248 additional research is needed in this regard, if you will?

1249 Dr. Lipska. I've been asking myself that question. Thank
1250 you for this. I think that we already know. We already know
1251 everything we need to know about the impact on patients. We know
1252 it's a widespread problem. We've done research for many decades
1253 now showing that high blood sugars cause complications. We don't
1254 need to reinvent the wheel. I think we know this.

1255 The Chairman. All right.

1256 Dr. Lipska. I think we need to fix the problem which is
1257 why I'm here and not in my research lab.

1258 The Chairman. All right, thank you so much.

1259 Ms. DeVore, you said in your testimony you continue to drive
1260 a 17-year-old car and believe that your husband will never be

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1261 able to retire due to the cost of managing your condition. You
1262 said that you are one of the relatively lucky ones who has good
1263 insurance to pay for your insulin.

1264 So I wanted to ask Dr. Cefalu, now, the question, what parts
1265 of the system do you believe are responsible for driving up insulin
1266 prices?

1267 Dr. Cefalu. So getting back to our Working Group, this was
1268 again by interviewing all stakeholders in the insulin supply
1269 chain. We don't think that there's one entity in which there's
1270 not accountability. It's clear that the manufacturers set the
1271 list price, but it's also clear that this list price incentivizes,
1272 the system encourages high list price. And a high list price,
1273 the intermediaries in the supply chain benefit from high list
1274 price.

1275 So we feel that at every level of the supply chain, each
1276 entity has to hold some accountability in the pricing of insulin.

1277 And when we talk about solutions, when we talk about discounts
1278 and rebates flowing down, that happens at each level to get to
1279 the patient. So the system is dysfunctional and we need to ensure
1280 that we have a system that's not based on high list prices and
1281 rebates, and that if there are discounts and rebates they are
1282 seen at the pharmacy counter to lower the cost of insulin.

1283 The Chairman. All right, thank you. And thank you to the

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1284 panel. I appreciate it.

1285 Thank you, Madam Chair.

1286 Ms. DeGette. Thank you so much, Mr. Pallone.

1287 And the chair now recognizes Mr. Burgess for 5 minutes for
1288 purposes of questioning.

1289 Mr. Burgess. Thank you and thanks to our panel for being
1290 here to a very informative discussion, a very thought-provoking
1291 discussion. Just to be clear, because this committee has done
1292 a lot of work on drug shortages over the years, at the present
1293 time there is no concern about any shortage of insulin; is that
1294 correct?

1295 All witnesses said yes, no?

1296 No concern, okay. I asked the question poorly. I asked
1297 for an affirmative to a negative, or a negative to an affirmative.

1298 But as you all discussed, this, I mean this committee has
1299 done a lot of work on the opiate problem, but I mean insulin is
1300 something you don't have to worry about it being diverted. You
1301 don't really have to worry about someone overusing it because
1302 there is actually a biologic penalty for overusing it; is that
1303 not correct?

1304 So I have had some questions about the rebate rule that the
1305 administration has proposed, but I promised Secretary Azar I would
1306 keep an open mind about that and I have. And several of you have

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1307 brought up about the rebate rule this morning and I hope that
1308 perhaps at some point in the future we can involve the agency
1309 either in this committee or the Health Subcommittee on their--to
1310 have them discuss the pros and cons of the rebate rule because
1311 rebates seem to be a recurring theme.

1312 Now one of the things that strikes me when I look at the
1313 timeline for insulin increases, and I think, Dr. Cefalu, you have
1314 mentioned since 2002 there has been an increase and really it
1315 is dramatic after 2009-2010, and that is of course the point at
1316 which the Medicaid rebate was increased from 15 to 23 percent,
1317 but then a cap was placed on the rebate. And I don't know if
1318 that has had an effect, but you wonder because just again you
1319 superimpose the timeline of when that Medicaid rebate increase
1320 went into effect, which was in March of 2010.

1321 So I am also struck--and I would never aspire to be a
1322 third-party payer, I have never wished that on anyone, actually.

1323 However, if I were a third-party payer or perhaps since we have
1324 Medicare and Medicaid under our jurisdiction perhaps something
1325 to be considered, why do we even charge for insulin? I mean if
1326 someone has got a diagnosis of diabetes, why not just treat it?

1327 So has there been any effort within, say, within Medicare?

1328 And, Dr. Lipska, I think you mentioned the two patient
1329 studies that you outlined both of whom were in their 70s, which

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1330 is young I would hasten to add, but still in an age that is covered
1331 by Medicare, why would the Center for Medicare and Medicaid
1332 Services not just cover that?

1333 Dr. Lipska. I'll try to answer that question. Life with
1334 diabetes is very hard to begin with. I think charging people,
1335 you know, exorbitant prices for insulin is backwards and
1336 unhelpful. And I think as was mentioned before, I think in the
1337 end it's going to cost us more, right?

1338 Mr. Burgess. I don't disagree. The whole premise of copays
1339 several years ago, when someone is sick don't you want them to
1340 take their medicine? Why would you put a barrier there?

1341 Dr. Lipska. It makes it harder for me to treat them. It
1342 makes it much harder for me as a clinician to help them.

1343 Mr. Burgess. So have any of you as you interact with
1344 policymakers, have any of you had discussions along this line
1345 with the Center for Medicare and Medicaid Services?

1346 Dr. Cefalu. The reduction in rebate, the ADA has been at
1347 the Secretary Azar when he discussed this and this is line with
1348 our Working Group's recommendation and our public policy. To
1349 your point as far as reducing the cost of insulin, that's in line
1350 with our recommendations to lower or remove cost sharing and to
1351 make sure any cost sharing is based on the lowest price that
1352 account for the negotiations throughout the supply chain. And

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1353 the amount of money a person pays for insulin is going to have
1354 a direct effect on their adherence of that strategy.

1355 Mr. Burgess. Sure. I don't disagree.

1356 Dr. Cefalu. And that is incredibly important. And again,
1357 we cannot go back to where we have more complications because
1358 of the cost of insulin.

1359 Mr. Burgess. And again I don't disagree at all.

1360 Dr. Cefalu. So to your point, lowering the cost of insulin,
1361 either cost sharing or rebates coming back to the point of sale,
1362 whatever we can do to lower the cost of insulin, I think, is going
1363 to increase adherence.

1364 Mr. Burgess. But in a federal program why don't we just
1365 cover it? Why should there be any cost at all?

1366 Dr. Cefalu. That's a question that I think this committee
1367 and Congress needs to ask.

1368 Mr. Burgess. And my next question to Seema Verma next time
1369 I see her.

1370 Thank you very much. I will yield back.

1371 Ms. DeGette. Thank you, Dr. Burgess.

1372 The chair now recognizes the vice chairman of the Oversight
1373 and Investigations Subcommittee, Mr. Kennedy, for 5 minutes.

1374 Mr. Kennedy. Thank you, Madam Chair. I want to thank all
1375 my colleagues on the committee for being here for this important

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1376 hearing. Thank you to all the witnesses and your testimony.

1377 It is extremely compelling. I would also like to submit for the

1378 record a Boston Globe article that was published last November

1379 16th that detailed the story of two moms that were protesting

1380 outside of a facility in Cambridge, Massachusetts with the ashes

1381 of their children who died because they did not get access to

1382 insulin. And we will pass that out for the committee. I would

1383 like to submit for the record again.

1384 Ms. DeGette. Without objection.

1385 [The information follows:]

1386

1387 ***** COMMITTEE INSERT 13 *****

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1388 Mr. Kennedy. Thank you.

1389 Drug companies are taking a lot of well-deserved criticism
1390 for the astronomical prices we are seeing and in response we have
1391 heard today about the free and reduced insulin, cost of insulin
1392 through Patient Assistance Programs or drug discount cards to
1393 provide some relief. These programs sound promising, but I am
1394 not sure it is quite that simple.

1395 Ms. Marchand Aprigliano--did I come close?

1396 Ms. Marchand Aprigliano. Close enough.

1397 Mr. Kennedy. I am sorry. One more time for me?

1398 Ms. Marchand Aprigliano. Marchand Aprigliano.

1399 Mr. Kennedy. Marchand Aprigliano.

1400 Ms. Marchand Aprigliano. The G is silent.

1401 Mr. Kennedy. Thank you. I will do my best.

1402 Ms. Marchand Aprigliano. North End.

1403 Mr. Kennedy. There you go, thank you.

1404 You testified about our recent survey on Patient Assistance
1405 Programs and noted that only about half of people who apply
1406 actually receive them. So, generally speaking, what can you tell
1407 me about the populations that use these programs to help pay for
1408 medication?

1409 Ms. Marchand Aprigliano. So I will tell you that they come
1410 from all walks of life just like everybody who uses insulin.

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1411 Now that being said, part of the issue is that sometimes we don't
1412 meet the qualifications. The current qualifications can range
1413 from 250 percent to 400 percent of federal poverty level. So
1414 for a family of four that may be depending upon the type of insulin
1415 you take, you may be eligible for one program and not eligible
1416 for another one. One of the important things to note is that
1417 we said that 42 percent of the patients found that the
1418 qualifications to apply were difficult to find and understand.
1419 And out of that the 44 percent don't receive their medications
1420 in a timely manner.

1421 Mr. Kennedy. So that is what I wanted to build on, Dr.
1422 Kowalski. So if you are in need of insulin in a timely manner
1423 how do these programs, how do they work?

1424 Mr. Kowalski. Well, I think they're a barrier. I mean
1425 JDRF, we certainly are trying to do our best to disseminate that
1426 there are options out there for people. But as anybody who's
1427 sat on a phone, sat in front of the pharmacy, waited and struggled
1428 to figure these programs out, when you have a drug that your blood
1429 sugar is going up as you're sitting there, I mean these are
1430 barriers that we feel should not be in place. I mean relying
1431 upon Band-Aids when there's an overarching problem is something
1432 that JDRF, and I think we're all aligned at this table, needed
1433 to address.

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1434 Mr. Kennedy. So when drug manufacturers come in next week
1435 to testify I expect that they are going to tell us about the
1436 benefits that these programs are having.

1437 But, Dr. Lipska, you say in your testimony and I quote, the
1438 Patient Assistance Programs do little more than provide a public
1439 relations benefit. It is hard to find a patient that meets the
1440 criteria. Doctor, from your experience, why are these programs
1441 failing to actually provide sufficient benefit to those looking
1442 for help and are there certain things drug companies should be
1443 doing that they are not?

1444 Dr. Lipska. Right, great question. A lot of patients don't
1445 meet the criteria for, you know, because of income or they have
1446 commercial coverage or there are some other specific criteria
1447 that, you know, don't quite help them in those situations. That's
1448 one thing, so it is hard to find somebody who exactly qualifies.

1449 But I also say that I don't think Patient Assistance Programs
1450 are a way to fix this. As was said, one, they cause delay, but
1451 two, they just, they require money--money. They require a time
1452 spent sort of, you know, applying and running through these hoops.

1453 People should not have to do this, it is just not right. Life
1454 with diabetes is hard enough as it is. I don't think we should
1455 be putting patients through this application process to get a
1456 drug they need.

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1457 Mr. Kennedy. And, Ms. Marchand Aprigliano, hopefully
1458 better, do you, building off of that do you have suggestions for
1459 how they can, the programs can be improved or do you think they
1460 should be essentially scrapped?

1461 Ms. Marchand Aprigliano. Well, I think that they could
1462 definitely be improved by reducing the list price of insulin so
1463 that these Patient Assistance Programs don't need to exist at
1464 all. However, that being said, to be able to raise the
1465 eligibility requirements to 500 percent of FPL, we've discussed
1466 that in the paper that we published today, to make it easy for
1467 individuals to actually apply and then to educate individuals
1468 such as pharmacists as well as other healthcare professionals
1469 about these programs.

1470 Only seven percent of individuals found out about these
1471 programs at the pharmacy counter, which is usually the first time
1472 that somebody who is obtaining the first notion that, oh my gosh,
1473 I can't pay for my prescription actually happens. That should
1474 be the first line of defense there.

1475 And also, and I will say this, there needs to be help
1476 especially for those who are in crisis. I actually applied for
1477 a Patient Assistance Program when my husband unexpectedly was
1478 laid off from his job and I knew the system, I knew exactly what
1479 was supposed to be able to help me, and instead I was told that

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1480 I didn't qualify because the paperwork that I had to show only
1481 showed past income and that's all they would base their decision
1482 off of, not from the fact that we had zero income.

1483 And I wasn't concerned about my husband, helping to find
1484 him find a new job, or concerned about how to put food on our
1485 table. I was concerned about how I was going to get insulin.

1486 And then to find out it would take 4 to 6 weeks before they made
1487 a decision about my application, that is unconscionable,
1488 unacceptable, and for Patient Assistance Programs we need to do
1489 better.

1490 Mr. Kennedy. Thank you, yield back.

1491 Ms. DeGette. Thank you.

1492 The chair now recognizes Mr. Griffith for the purposes of
1493 questioning the witnesses.

1494 Mr. Griffith. Madam Chair, thank you so much for holding
1495 this hearing.

1496 You know, I really always learn things from these hearings
1497 and particularly today I have learned. And I just have to say
1498 that I hadn't thought about it, but Dr. Burgess's point is very
1499 appropriate and that is, is that with the high cost of the
1500 consequences of not providing the insulin or not being able to
1501 get the insulin, amputations are expensive, the physical therapy
1502 that follows an amputation is expensive. Loss of vision or even

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1503 a diminution in your ability to see is expensive and all of the
1504 third-party payers are going to pay a lot more. It is
1505 fascinating.

1506 Anyway, I have concerns about PBMs, pharmacy benefit
1507 managers, and the consolidation in that industry with three major
1508 PBMs controlling most of the market. Dr. Cefalu, in your
1509 testimony you discuss PBMs and how they have substantial market
1510 power and how the PBM's primary customers are health plans and
1511 employers and not patients. How has the substantial market power
1512 of PBMs changed, if at all, the list price and the net prices
1513 of insulin? And I know we have already touched on some of this,
1514 but let's get it on the record.

1515 Dr. Cefalu. Well, the PBMs play a role in the insulin supply
1516 chain through their negotiations through manufacturers for the
1517 rebates, but their primary customers are the health plan and the
1518 insurers where they negotiate to lower total drug costs and they
1519 design formularies. What is not clear is whether those
1520 negotiations that take place, and I think some of the comments
1521 today were that they are opaque transactions, we don't know
1522 whether those transactions are actually benefiting the patient
1523 at the point of sale. There's information that we would need
1524 before we say how you would improve that system and that gets
1525 back to the transparency.

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1526 Mr. Griffith. And so, you know, when we have questions,
1527 Ms. Marchand Aprigliano said earlier she had speculations as to
1528 where the money was going and so forth. We just don't know when
1529 we are dealing with the manufacturers and the PBMs and the
1530 insurance companies, it is really hard to follow the bouncing
1531 ball and we had a hearing on that last year that dealt with how
1532 do we figure that all out. So I assume that everybody would be
1533 in favor of transparency so we can see what is going on and whether
1534 or not the rebates that are being offered to the PBMs are actually
1535 increased by a request by the PBMs to the manufacturers to increase
1536 their list price; is that correct?

1537 Dr. Cefalu. One of the key things identified was the Working
1538 Group that increased transparency is key to understanding and
1539 designing long-term solutions. It's key. We do not understand
1540 the negotiations that occur with each entity in the supply chain
1541 and until we do we won't have the long-term solutions. And that
1542 was a key determination, a key finding from the Working Group.
1543 We just do not understand the flow of money through the supply
1544 chain.

1545 Mr. Griffith. So at this point you don't know whether the
1546 PBM's use of their market power has benefited or hurt patients
1547 because you don't know what they are doing because it is all behind
1548 closed doors, so to speak?

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1549 Dr. Cefalu. The Working Group observation is that it was
1550 not clear that these negotiations actually benefit the patient
1551 at the point of sale.

1552 Mr. Griffith. Ms. Marchand Aprigliano, in your opinion,
1553 why do you think the PBMs have so much power in the insulin supply
1554 chain?

1555 Ms. Marchand Aprigliano. Well, I think that PBMs have power
1556 over the entire prescription drug supply chain. And PBMs started
1557 with the best of intentions just like much of anything else.
1558 This was supposed to help patients save on the cost of their
1559 prescription drugs. But over the course of several years this
1560 has changed to how much profit a PBM can make. And through the
1561 rebating system and a way to not share with the patient at the
1562 point of sale, we are subsidizing, those of with chronic illnesses
1563 are subsidizing the entire healthcare system.

1564 Mr. Griffith. Including the net profits of the insurance
1565 companies, the PBMs, and the manufacturers?

1566 Ms. Marchand Aprigliano. Everyone in the insulin supply
1567 chain. We realize that nobody's out to get us--

1568 Mr. Griffith. Right.

1569 Ms. Marchand Aprigliano. --and that no one, you know, wants
1570 to kill us, but there's no profit if no one can purchase a vial
1571 of insulin and broke patients can't buy insulin. So somebody

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1572 is making a profit and it's not the patients.

1573 Mr. Griffith. Yes, ma'am.

1574 Madam Chair, I appreciate you continuing our work into this
1575 and we will do this over the next year, I know, and I look forward
1576 to participating in that and thank you very much and yield back.

1577 Ms. DeGette. Thank you so much. We are going to do it over
1578 the next week but, however, it is not going to take us a year
1579 to legislate.

1580 Mr. Griffith. Well, that is good news.

1581 Ms. DeGette. Okay, yeah.

1582 Mr. Griffith. Thank you, Madam Chair.

1583 Ms. DeGette. The chair is now pleased to recognize Ms.
1584 Kuster for 5 minutes.

1585 Ms. Kuster. Thank you, Madam Chair. And thank you for
1586 coming together and for the bipartisan approach here today.

1587 So I just want to emphasize the scope, you all have been
1588 very helpful. In New Hampshire, where I am from, approximately
1589 ten percent of the population, 1 in 10, is type 1 or type 2
1590 diabetes, approximately 121,000. And physicians estimate that
1591 34,000 people in my state have diabetes but do not yet know it.

1592 So it is a serious, serious health threat as you have laid out.

1593 Thirty-six percent of our population, 370,000 Granite
1594 Staters have pre-diabetic symptoms including high blood glucose

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1595 levels. And just to give you a sense of the scope and we are
1596 a small state, the diagnosed diabetes costs in New Hampshire are
1597 an estimated \$1.3 billion every single year including the direct
1598 medical expenses, 940 million, and then an additional 320 million
1599 spent on indirect costs including loss of productivity, so 2017
1600 figures.

1601 I want to try to get at the root causes of the rising insulin
1602 prices that we are here to discuss. Just to give an example,
1603 so the list price of Novolog, commonly used analog insulin,
1604 increased by 353 percent per vial and that was just from 2001
1605 to 2016. During the same period, the list price of Humalog,
1606 another commonly used insulin, increased by 585 percent per vial.
1607 So it is little wonder that people can't keep up, as you have
1608 discussed.

1609 I want to ask Dr. Lipska, you testified the cost of insulin
1610 today is now seven times more for the exact same product as 2
1611 decades ago, and to quote you, recent research suggests that high
1612 prices primarily benefit the drug makers. Do you believe that
1613 the drug companies are the ones benefiting the most from the
1614 exorbitant price increases?

1615 Dr. Lipska. Thank you for that question. Yes, I do. And
1616 this is based on research not performed by my group, by Dr. Peter
1617 Bach at the Sloan Kettering Memorial Hospital. They looked at

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1618 U.S. expenditures on prescription drugs in 2016 and estimated
1619 that those expenditures totaled 400 and billion dollars.

1620 Two-third--

1621 Ms. Kuster. Four hundred billion, billion with a B?

1622 Dr. Lipska. Four hundred and eighty billion dollars.

1623 Two-thirds of this total was captured by drug manufacturers in
1624 the form of net revenues. The remaining third was retained as
1625 gross profits in the supply chain. PBMs and wholesalers captured
1626 approximately 8.5 percent of that. So I think that helps keep
1627 this in perspective in terms of where the money is going. Now
1628 this is not insulin-specific data, these are prescription
1629 drugs-specific data. But I think it gives us a little bit of
1630 a perspective and a pause to pawn all of this just on PBMs and
1631 the inflating list price.

1632 Ms. Kuster. Thank you. That is very helpful.

1633 Dr. Cefalu, you discuss in your testimony the American
1634 Diabetes Association took a thorough look at the causes of rising
1635 insulin prices. And in summarizing the Working Group conclusion
1636 you stated, quote, as prices increase the profits of the
1637 intermediaries in the insulin supply chain-- wholesalers, PBM,
1638 pharmacies--increase since they may each receive a rebate
1639 discount or fee calculated as a percentage of that list fee.

1640 So it sounds like everyone in the supply chain except the

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1641 person living with diabetes benefits from high list prices. What
1642 parts of the system do you believe are responsible for driving
1643 up insulin prices?

1644 Dr. Cefalu. So, Congresswoman, again the Working Group
1645 looked at and talked to every stakeholder in the supply chain.
1646 It's clear that the price is set by the manufacturers, but as
1647 you stated a high list price benefits intermediaries. To Dr.
1648 Lipska's point, there are other studies that have looked at the
1649 flow of money through the supply chain. I can actually provide
1650 you information from the Schaeffer study from the University of
1651 Southern California that looked at the profit taken at each level.

1652 But again, as the list price goes up, the intermediaries
1653 profit because of the percentage based on the list price. And
1654 this is where if we understood the negotiations, understood what
1655 is occurring between the manufacturer and PBM, the PBM and the
1656 health plan, the PBM and the pharmacy, understanding what is going
1657 on as far as negotiations, will we have a better idea as to your
1658 point as where the profits are taken. For now, it's based on
1659 data in the public domain and we'd be more than happy to give
1660 you information from the USC study which shed some light on where
1661 the profits are taken.

1662 Ms. Kuster. That would be very helpful and we can get that
1663 into the record.

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1664 Dr. Powers, similar question, you state in your testimony,
1665 quote, it is difficult to understand how a drug that has remained
1666 unchanged for almost 2 decades continues to skyrocket in price.

1667 We all share your frustration with that. What do you believe
1668 are the fundamental causes of skyrocketing prices for these
1669 well-established drugs?

1670 Dr. Powers. Yes, thank you for that question. I think that
1671 if this committee had members of each of the supply chain on a
1672 panel and you asked them who was the fault, they would do this.

1673 Ms. Kuster. Well, we will get that opportunity next week.

1674 Dr. Powers. Absolutely, right. They will do that, right.
1675 And so I think that we have--that each member of the supply chain
1676 have a responsibility to help solve this problem. That means
1677 the manufacturers, the PBM, the plans, the patients, the
1678 providers, and Congress all have a role in creating a new system
1679 for this. And I think that trying to single out one person or
1680 one entity, while satisfying, is not going to solve the global
1681 problem.

1682 Ms. Kuster. I apologize for going over and I yield back.

1683 Ms. DeGette. The chair now recognizes Congresswoman Brooks
1684 from Indiana for 5 minutes.

1685 Mrs. Brooks. Thank you, Madam Chair, and thank you for
1686 holding this very important hearing. I am vice chair, one of

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1687 the vice chairs of the Diabetes Caucus. I want to thank the
1688 chairman of this subcommittee for her leadership, and Congressman
1689 Reed.

1690 We know that CDC has issued a report, and part of the reason
1691 I am so involved is that over 586,000 adult Hoosiers suffer from
1692 diabetes and so it is a tremendous problem in our state. I think
1693 our state is one of the higher per capita, and so critically
1694 important problem.

1695 I want to talk about a couple of things that I haven't really
1696 heard us talk about yet. I am going to start with you, Dr.
1697 Kowalski. I want to talk about the concept of non-medical
1698 switching and can you describe what that means and whether or
1699 not insulins are interchangeable? Can you just talk with me a
1700 little bit about non-medical switching?

1701 Mr. Kowalski. Yeah, this is another issue that I think is
1702 very important here that we have multiple--it was mentioned on
1703 the committee, the panel here, that there are multiple forms of
1704 insulin and different people with diabetes benefit with different
1705 forms with different characteristics. For example, I use an
1706 insulin pump so I only use fast-acting insulin. Some people do
1707 shots and use fast and long-acting. What we're seeing in
1708 the community is people being switched by their insurance
1709 companies, not by the choice of their physician and the patient,

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1710 which is just not the right way to practice medicine.

1711 Mrs. Brooks. Has that ever happened to you?

1712 Mr. Kowalski. Oh, absolutely. And we work at JDRF--has
1713 a, I'm very happy to say, good coverage for diabetes of course.

1714 Mrs. Brooks. I would hope so.

1715 Mr. Kowalski. And we've been switched, and this is very
1716 frustrating because then you take a step back. For some people
1717 that's okay, but insurance companies shouldn't be making those
1718 decisions. The physician and the person with diabetes should
1719 be.

1720 Mrs. Brooks. And did anything happen, so you were forced
1721 to switch insulins and were you required then to pay more or less
1722 for the insulin that you were instructed to switch to?

1723 Mr. Kowalski. Fortunately I did not, but I can tell you
1724 just anecdotally a good friend, who again works in the diabetes
1725 business, his daughter and his foundation switched insulins and
1726 she had three incidents of severe hyper, high blood sugar
1727 glycemia. It took him 8 hours, and he is a professional who works
1728 in this field, on the phone plus the time of the physicians, so
1729 the physician calling a physician at the insurance company, to
1730 make a decision that his physician had ordered. So I mean this
1731 is a broken part of the system that JDRF is also committed to
1732 fixing.

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1733 Mrs. Brooks. Does anyone know, is there any data being kept
1734 about this switching issue and whether or not people are keeping
1735 track of these incidents or any organizations, just out of
1736 curiosity, keeping track of when the switches are being required
1737 to take place? Dr. Cefalu?

1738 Dr. Cefalu. That is data--first of all, I agree with Dr.
1739 Kowalski. This is an issue in our survey that again 25 percent
1740 had problems with the cost of insulin and the use of insulin and
1741 one of those uses was being switched to another brand of insulin.
1742 And someone may be able to afford their insulin but then go to
1743 the pharmacy and find out that insulin is no longer available.
1744 So that is more, again it's more than an inconvenience. We need
1745 data, we need research, and really what the medical cost of the
1746 non-medical switching because once again making it more difficult
1747 for a patient who has controlled blood sugars is only going to
1748 result in poor outcomes over time.

1749 Mrs. Brooks. Thank you.

1750 Ms. Marchand--

1751 Ms. Marchand Aprigliano. Aprigliano.

1752 Mrs. Brooks. --Aprigliano, can you please share with us
1753 information that you are familiar with when doctors of patients
1754 must go through what is called "fail first" or step therapy and
1755 what the process what that means and what the implications of

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1756 that might be and that where a health insurance requires a patient
1757 to try other insulins first and prove they fail, which can you
1758 please explain how that works?

1759 Ms. Marchand Aprigliano. So as insulins have become
1760 different we have insurers deciding that they want to pay for
1761 one type of drug, one type of insulin over another. I have a
1762 very good friend who works in the diabetes space, also is type
1763 1, and he has been on a long-acting insulin for the last 2 years.
1764 He's great, no problem, A1Cs are terrific. Insurance
1765 decided that they wanted him on a different drug and in order
1766 for him--he could not even go through the prior authorization
1767 to get an override. He had to try one drug for 3 months. And
1768 then if he failed on that drug--

1769 Mrs. Brooks. What does failure mean?

1770 Ms. Marchand Aprigliano. Failure means a severe low--

1771 Mrs. Brooks. And I have 13 seconds.

1772 Ms. Marchand Aprigliano. --sorry--severe low or severe
1773 high. He failed, but yet had to go through another 3-month period
1774 of failure again. Meanwhile, he's having severe lows while he
1775 travels. I worry about him. I know his family worries about
1776 him. And this is through his insurance, it wasn't a choice.
1777 His medical provider has been fighting for him to change that.

1778 Mrs. Brooks. And so it would be up to the patient to get

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1779 the insurance to change that coverage, or his physician.

1780 Ms. Marchand Aprigliano. The insurance has denied twice
1781 because they believe that insulins are interchangeable, which
1782 they aren't.

1783 Mrs. Brooks. Okay.

1784 Ms. DeGette. And thank you.

1785 Mrs. Brooks. I yield back.

1786 Ms. DeGette. We have heard situations of patients who said
1787 you have to have a severe incident, so they actually tried to
1788 manufacture their own severe incident so they could get the
1789 insulin they need, which is crazy.

1790 Dr. Ruiz is now recognized for 5 minutes.

1791 Mr. Ruiz. Congressman Brooks, I have a bipartisan bill with
1792 Dr. Wenstrup that is the solution to this step therapy issue that
1793 gives it more of a patient and doctor voice in that decisionmaking
1794 process, so I look forward to sharing that with you and working
1795 with you on that.

1796 I would like to thank the Chair DeGette for holding this
1797 important hearing and for her tireless work as chair of the
1798 Diabetes Caucus where I am honored to serve as a vice chair to
1799 work on policies that address issues like the affordability and
1800 access to diabetes medications and care.

1801 I saw patients in the trailer parks in the Coachella Valley

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1802 where I grew up. I saw patients in the emergency department where
1803 I practice, and I see patients in the streets, mostly homeless,
1804 in street medicine who over and over have the signs and symptoms
1805 of the devastating health effects of not taking their insulin
1806 or rationing their insulin.

1807 And as the prices of insulin have gone up, many patients
1808 have taken to cutting back on the amount of insulin that they
1809 take or even skipping doses entirely to stretch their insulin
1810 as long as possible. When I was leading a healthcare initiative,
1811 we had a community forum in the town of Mecca in my district,
1812 and afterwards I saw an elderly woman dig through the trash.
1813 And I went over and I was curious. I asked her what she was doing
1814 and she told me she was collecting aluminum cans because she can't
1815 afford her insulin and she was trying to collect cans for the
1816 rebates so she can pay for insulin. But she said, "But don't
1817 worry, Doctor." She told me, "Don't worry, I only take half a
1818 dose so it can last." Okay. So while this is a common reaction,
1819 rationing insulin carries enormous medical risks.

1820 I have seen the patients, okay, I have treated the patients
1821 in diabetic ketoacidosis and hyperglycemic comas. I have seen
1822 the patients in pain because of their neuropathy. I have seen
1823 the patients who were rushing to the dialysis center because of
1824 nuance and renal failure and hyperkalemia.

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1825 I have seen the patients who come in with cardiac arrest because
1826 of that hyperkalemia and having to resuscitate them and send them
1827 to the ICU. So I have seen the emergencies that not taking insulin
1828 and not managing their glucose effectively can cause.

1829 Dr. Lipska, you found that 1 in 4 patients who participated
1830 in your study said that they had used less insulin than was
1831 prescribed by their doctor which led to poor control of their
1832 blood sugar. Dr. Lipska, I want you to talk more about your
1833 experiences about the people in your study who underused or
1834 rationed their insulin and why did they do that.

1835 Dr. Lipska. Right. So we've heard a lot of stories and
1836 I appreciate you sharing yours as well. I think that there are
1837 dramatic stories of people who underuse insulin such as diabetic
1838 ketoacidosis admissions, emergency room hospitalizations, but
1839 there are also a lot of stories of people using less than
1840 prescribed for prolonged periods of time and it takes a long time
1841 for some of these diabetic complications to then arise.

1842 And so we're seeing this problem of rationing now. We're
1843 going to be seeing the complications down the road, some of these
1844 long-term complications that you mentioned, neuropathy,
1845 blindness, and, you know, more dialysis. These patients are
1846 suffering. So my Diabetes Center sees lots of patients with type
1847 1 and type 2 diabetes. My niche is more people with type 2

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1848 diabetes who have had it for a long time, so that's why I presented
1849 my patient Maria to you. These patients have had diabetes.
1850 They've lived with the diabetes, they've lived with the diabetes
1851 for a long time. They have multiple other chronic conditions.
1852 They have other expenses. They have big expenditures and
1853 they're really suffering.

1854 Mr. Ruiz. And so many times the patient feels that if they
1855 don't feel anything then they are not sick, so why do they have
1856 to take insulin. I have done talks about how this is this is
1857 the silent killer, right. You don't feel anything.

1858 I have an uncle who says, "Ah," in Spanish, "Ah," you know,
1859 "it costs too much money. I would rather like put food on the
1860 table and use my car to go to work and pay the car bills, et cetera,
1861 than paying for insulin. I don't feel sick. I don't feel sick,
1862 so I am not sick." So there is a lot of miscommunications in
1863 that.

1864 Dr. Cefalu, in your opinion, what can you inform patients
1865 about the adverse effects of not taking insulin appropriately
1866 given what Dr. Lipska just said?

1867 Dr. Cefalu. Well, number one, if a patient can't afford
1868 the insulin the first thing we suggest is actually talk to their
1869 provider. Again, it may be that patient can take a least
1870 expensive form of insulin that may be appropriate. In the

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1871 majority of cases perhaps it's not, but you need to inform the
1872 patient what to expect.

1873 Again, over the short term, a poor control of sugars,
1874 particularly in an elderly person, will lead to some mental status
1875 changes, dehydration, and that could lead to an emergency room
1876 visit in which there is tremendously high blood glucose, a
1877 hyperosmolar state, so this is not specifically just in type 1.

1878 But for type 1, poor control again may lead to increased
1879 urination, dehydration, nausea, vomiting, and again leading to
1880 ketoacidosis.

1881 So educating the patient on what to expect so that if they
1882 are heading down this road that you can mitigate it is incredibly
1883 important, but the main issue, the bottom line is that insulin
1884 is a matter of life and death and nobody who needs insulin should
1885 ever go without it because of prohibitive costs and that's the
1886 issue we're trying to address here. We can put in mitigating
1887 circumstances to talk about patients and what they can do if they
1888 don't have the right insulin, but if they can't afford it that's
1889 the main problem we're here today to try to address.

1890 Ms. DeGette. Thank you.

1891 Mr. Ruiz. Thank you.

1892 Ms. DeGette. Thank you very much.

1893 The chair now recognizes Dr. Bucshon for 5 minutes.

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1894 Mr. Bucshon. Thank you, Madam Chairwoman. I was a
1895 cardiovascular surgeon before I was in Congress, so I changed
1896 professions a little bit. This is a very important topic. As
1897 a heart surgeon, a lot of my patients had diabetes, pretty
1898 substantial percentage. As you know, cardiovascular disease is
1899 one of the big things that happens.

1900 I am going to ask something related to the 340B program.
1901 To remain eligible for participation in the Medicaid program,
1902 drug manufacturers must provide certain outpatient drugs to cover
1903 entities in the 340B program at significant discounts. And in
1904 certain circumstances, these manufacturers must sell their
1905 products to 340B-covered entities for a penny. Some, but not
1906 all, 340B-covered entities pass these savings on to patients.

1907 For example, during the committee's investigation of the 340B
1908 program during the 115th Congress, one 340B entity told the
1909 committee they offered insulin at \$10 a vial to certain qualifying
1910 patients. So \$10 costs them a penny. So, Ms. DeVore, as a
1911 patient, do you have any experience with 340B drug pricing?

1912 Ms. DeVore. My husband actually works at a healthcare
1913 facility that has a 340B pharmacy and I have the availability
1914 of utilizing that pharmacy. But it doesn't, the cost
1915 difference--

1916 Mr. Bucshon. Doesn't really make any difference?

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1917 Ms. deVore. No, it does not make any difference.

1918 Mr. Bucshon. You haven't seen anything. So it hasn't
1919 affected you directly?

1920 Ms. deVore. As far as the price is the same.

1921 Mr. Bucshon. Yeah.

1922 Ms. deVore. Whether or not I use a 340B pharmacy or outside,
1923 under our insurance plan.

1924 Mr. Bucshon. Okay.

1925 Ms. deVore. Because the way our insurance is structured
1926 that even with Fiasp that's not on the formulary because it's
1927 non-formulary I still pay the full retail price.

1928 Mr. Bucshon. Okay. Does anyone else want to comment on
1929 340B? Anybody have an comments on the 340B program?

1930 Oh, too bad. I thought you were going to have a lot of
1931 comments on that.

1932 And I won't take too much more time, Madam Chairwoman,
1933 because some of the concern that I have about 340B in a larger
1934 context is that because of the companies have to sell some of
1935 their products at such a low discounted price to 340B-covered
1936 entities, that on the backside of that to make up for that it
1937 is putting upward pressure on drug prices otherwise for
1938 non-340B-covered entities.

1939 And so I think that I would encourage the subcommittee

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1940 to--this committee to also as part of our investigative look at
1941 pricing on insulin, also consider the ramifications of the
1942 dramatic exponential growth in the 340B program as a whole. And
1943 based on our previous subcommittee hearings in the last Congress,
1944 try to address some of the abuses that are occurring in 340B that
1945 may very well be putting an upward pressure on drug prices as
1946 a whole.

1947 And with that I yield back.

1948 Ms. DeGette. The gentleman yields back.

1949 The chair now recognizes Ms. Schakowsky for 5 minutes.

1950 Ms. Schakowsky. Thank you. Approximately 1,325,000 or
1951 12.5 percent of the adult population in my home state of Illinois
1952 have diabetes. In 2017, Illinoisans diagnosed with diabetes were
1953 forced to spend \$8.7 billion for direct medical expenses. I am
1954 talking about hospital inpatient days, emergency visits,
1955 ambulatory visits, but these costs don't even include the price
1956 of insulin itself.

1957 The three pharmaceutical companies who dominate the global
1958 insulin market have raised their prices in lockstep over the past
1959 several years. When Eli Lilly introduced its Humalog brand of
1960 insulin in 1996, the list price of a 10-millimeter vial was \$21
1961 and it is \$275 per vial, and diabetes patients as we heard can
1962 use four a month, sometimes even six a month for some individuals.

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1963 And when Sanofi insulin brand debuted in 2001 it was \$35 a vial, now it is 250. And when Nova Nordisk insulin, Novolog, was introduced in 2001 it was \$45, and now it is \$289.

1966 And I just want to note that these current prices are curiously similar how they have raised those prices. And though there is zero transparency into the business practices of these companies, I know none of them can logically attribute these price hikes to increases in manufacturing costs, for example, which we have heard, and not when insulin has been around since 1921 and improved human analog of insulin has been around since 1996.

1973 So Ms.--I am going to try and get it right--Ms. Marchand Aprigliano, it seems to me that these pharmaceutical companies raise the price of insulin because they can. And am I wrong?

1976 Is there a better or more justifiable explanation for this?

1977 Ms. Marchand Aprigliano. I don't work for the insulin manufacturers, so I can't say that--

1979 Ms. Schakowsky. Okay, does anybody there want to give--yes, go ahead, Dr. Powers.

1981 Dr. Powers. So I would just say that the price of the same drugs, those same insulins in Canada, Germany, France, England, very different. I have the story of one patient who paid \$300 for her insulin in the country. She lost it when she was in London, had to purchase a replacement, \$30.

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1986 Ms. Schakowsky. So this a decision that we don't have any
1987 transparency into how they do that, but I think this example tells
1988 us it doesn't need to be that expensive.

1989 Dr. Cefalu, the American Diabetes Association white paper
1990 details the role of drug companies in this system. How do you
1991 account for an over 1,000 percent in the price of insulin since
1992 the 1990s?

1993 Dr. Cefalu. Well, Congressman, as you've stated, the
1994 innovations since the 1990s, the price has tripled since 2002
1995 as far as list price. And this is one of the concerns is that
1996 we don't know the factors behind how they set the list price.

1997 It's not in the public domain and this gets back to increase
1998 an in transparency, I can't speculate as to what those factors
1999 are.

2000 In the Working Group, again getting back to the
2001 recommendations and conclusion of the Working Group, it's
2002 increased transparency that will get to the bottom of these price
2003 increases throughout the supply chain. So I don't know those
2004 factors that increase the list prices.

2005 Ms. Schakowsky. I actually have legislation on a
2006 transparency bill. Let me just say that I want to associate
2007 myself with what Dr. Burgess said and I feel that this is
2008 considered a national, international health, lifesaving issue,

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2009 the issue of insulin and diabetes.

2010 I think that we--and my time is up, but I would love to hear
2011 and maybe I will submit it for the record why you might think
2012 that we could save money, actually, if we would address diabetes
2013 and provide insulin to the people who need it. And I yield back.

2014 Ms. DeGette. The chair now recognizes the ever-patient Mr.
2015 Sarbanes for 5 minutes.

2016 Mr. Sarbanes. Thank you.

2017 I just wanted you to speak to your confidence or lack of
2018 confidence on whether you think we can actually achieve some of
2019 these transparency measures that we have been talking about today.

2020 You have been around a long time, you know how the PBMs operate.
2021 And the manufacturers, you know that there is this kind of
2022 hocus-pocus exercise that has been going on for decades and the
2023 patients are left holding the bag on that.

2024 So, you know, we are talking in a bipartisan way about the
2025 problem you all are pretty unified in your views that there is
2026 a problem, a structural problem that transparency would be a very
2027 good first step. So are we just going through an exercise here?

2028 What is your--I don't mean that you all are. But you are looking
2029 at us and you know that it is hard to break the stranglehold that
2030 the PBMs and the manufacturers have on how the system works and
2031 they have kind of reached--I mean in theory they are supposed

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2032 to be at arm's length, but they have managed to figure out a way
2033 to structure the system so they can be negotiating at a level
2034 that always protects, it appears to me, their profits at the
2035 expense of the patient.

2036 So I just, I invite any of you to tell me maybe on a scale
2037 of 1 to 10 how optimistic you are that within the next 5 years
2038 we can achieve the transparency that would actually make a
2039 difference in terms of the impact on insulin pricing, but any
2040 other kind of pricing out there.

2041 Dr. Cefalu. So there are a number of things that we can
2042 do and I think you've heard a lot of those recommendations today.

2043 Based on what we understand, I think it's clear the cost sharing
2044 for the patients is too much and whatever we can do to remove
2045 or lower the cost sharing would be important, removing insulin
2046 from the deductible, minimizing co-insurance, those are some
2047 things that we need to move forward, making sure that patients
2048 with diabetes continue to have the affordable health insurance
2049 so they can take care of their disease.

2050 We haven't talked much about biosimilars, but there are steps
2051 moving to make more biosimilars available on the market. If
2052 biosimilars were more like traditional generics, we would have
2053 the lower price. And I know the FDA has taken some steps to
2054 increase efficiency in the biosimilar process, so those are some

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2055 of the things that were pointed out from the Working Group.

2056 Mr. Sarbanes. By the way you just revealed yourself almost
2057 to be a plant on my part because I, and you are not, but I happened
2058 to introduce a biosimilars bill and have been working very hard
2059 to respond to these pay-for-delay schemes in that environment
2060 as well as with respect to prescription drugs. So you are
2061 absolutely right that is something that can be done.

2062 Dr. Cefalu. And the fourth thing that you've heard today
2063 is that the patient with these negotiations are not benefiting
2064 and just ensuring that the results of these negotiations, the
2065 rebate and discounts, make it to the patient at the point of sale
2066 to reduce the costs. So those are, I think, some general
2067 principles that we should move toward to reduce the cost of
2068 insulin.

2069 Mr. Sarbanes. So I agree with all of that. But just coming
2070 back to the question of how confident you are, what your level
2071 of optimism is, particularly now that we are hearing bipartisan
2072 criticism of the system, that we can actually get some of these
2073 basic transparency measures in place. But before you answer,
2074 I will just say that as far as I can tell there isn't any consumer
2075 in America who needs medicine at one time or another that is not
2076 impacted in that by the PBMs and how they operate.

2077 And I am sitting here, every comment that you all have made

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2078 alludes to the profits that the PBMs are making and how they are
2079 looking to maximize their profits. They could probably do their
2080 job just as well if they were a nonprofit, I assume, right, and
2081 the fact that they touch every American certainly raises questions
2082 about whether they ought to be regulated more like a utility than
2083 to operate as a for-profit industry. There has got to be people
2084 in the room who just shuddered when I said that. So I would,
2085 frankly, start from that perspective given the impact that they
2086 have.

2087 Any other comments? Yes, Ms. Marchand Aprigliano?

2088 Ms. Marchand Aprigliano. See, you got it right.

2089 I think the biggest issue is it's not just transparency.
2090 Transparency is one thing. If we find out what the cost of each
2091 section of the supply chain takes away from the patient it's the
2092 actual action that Congress will help us as protectors of the
2093 patients and citizens in the United States, whether it's fixed
2094 fee per transaction, whether it's designing to mandate that
2095 insulin is capped at a certain percentage, all of this has to
2096 be done.

2097 We all know exactly what needs to be done. The end result
2098 is we need to have reasonable access and affordable access to
2099 insulin. Transparency is the first step, but we have got several
2100 other steps to go along with it. I am absolutely resolute that

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2101 we will find an answer and that Congress will help us with that.

2102 Mr. Sarbanes. Thank you and I yield.

2103 Ms. DeGette. Thank you.

2104 The chair now recognizes Ms. Barragan for 5 minutes to
2105 question.

2106 Ms. Barragan. Thank you.

2107 I want to thank the panelists for being here today and for
2108 sharing your story. It is really heartbreakingly when you hear
2109 about people who have to choose between medication like insulin
2110 and rent and other expenses.

2111 Not long ago I was at the hospital with my mom who has diabetes
2112 and her blood sugar was pretty high. And I remember having a
2113 conversation about her needing insulin and the rising, really,
2114 the skyrocketing cost of insulin. And I thought to myself for
2115 a moment what would happen if we couldn't afford this, because
2116 we hear these stories day in and day out. We hear stories of
2117 people who ration, as you mention, the insulin and then die.
2118 And when that is happening in America, something is broken and
2119 people look to Congress. And so today when I see you, I thank
2120 you, and I speak on behalf of my mother and my sister-in-law and
2121 the millions of Americans that are living with diabetes.

2122 I happen to represent a congressional district in California
2123 that has the highest rate of diabetes than any other congressional

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2124 district in the state of California. It happens to be a district
2125 that is about 88 percent Latino/African American, communities
2126 of color, communities that are suffering, and those who in my
2127 district have a very low household median income. One of my
2128 colleagues handed a list of about all the members and I think
2129 I was 350 of the household incomes.

2130 Just to kind of show, I mean I represent areas like Compton
2131 and Watts in south Los Angeles, and it is just unconscionable
2132 that the price of insulin is unaffordable and it really breaks
2133 my heart. And one of the things I hear in my district, certainly
2134 when I have town halls, is what is Congress doing? What kind
2135 of oversight are we doing? I think this is a step.

2136 But, frankly, I will tell you what I want to see, I want
2137 to see the drug manufacturers brought in. I want to see the PBMs
2138 brought in and I want us to ask the tough questions, because we
2139 have got to get down to why this is happening. Why is it that
2140 insulin has skyrocketed? What has happened? And let's hear from
2141 them to get to a solution. Frankly, the American people think
2142 that because they have a big lobby Congress is doing nothing,
2143 and there may be instances where that is happening. And we have
2144 to come together to show that we don't care about the lobby.
2145 We don't care about private industry in the sense that we are
2146 colluding with them, because sometimes the American people think

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2147 that. So I hope that we are going to have the oversight hearing.

2148 Ms. DeGette. Would the gentlelady yield?

2149 Ms. Barragan. Sure.

2150 Ms. DeGette. We are bringing them in next week.

2151 Ms. Barragan. Fantastic.

2152 Ms. DeGette. You are welcome.

2153 Ms. Barragan. And that is why I said this was a great start
2154 and I am really looking forward to having that conversation
2155 because this is what the feedback that I am hearing in my
2156 congressional district. And, frankly, we have been working for
2157 the people in trying to fix health care in this country. It hasn't
2158 been easy and it has been very frustrating.

2159 I want to ask Dr. Kowalski, can you outline how the rising
2160 cost of insulin affects our minority communities and provide me
2161 with an estimate, if you have any idea, how many people of color
2162 die each year because they are unable to afford things like
2163 insulin, lifesaving medication?

2164 Mr. Kowalski. I don't know that we have the best data on
2165 deaths due to lack of insulin, but we certainly know if you're
2166 socioeconomically disadvantaged this is a huge burden. And we
2167 heard across the income spectrum, but as you push lower it's worse.

2168 And JDRF funds research across the country including areas that
2169 are socioeconomically disadvantaged and often the choice that

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2170 are made are food on the table versus drugs. And again, I think
2171 this is--it's so, I would call it penny unwise-pound foolish,
2172 because we're cutting back and actually paying heavily on the
2173 back end whether it's diabetic ketoacidosis, diabetes
2174 complications, or, tragically, deaths. So this is a gross
2175 injustice that needs to be fixed.

2176 Ms. Barragan. Thank you.

2177 Ms. Marchand Aprigliano, the current Secretary of Health
2178 and Human Services, Alex Azar, was a former drug company
2179 executive. While president of Eli Lilly, Secretary Azar oversaw
2180 huge increases in the price of the company's insulin medications.
2181 The U.S. list price of Humalog insulin has more than doubled.
2182 How can we believe the current administration is serious about
2183 reducing the price of insulin when President Trump appoints the
2184 man who has contributed to the current drug pricing crisis?

2185 Ms. Marchand Aprigliano. I don't have an answer for that.

2186 If anybody does have an answer for that I'm happy to listen.

2187 All I know is that the system that we are currently living in
2188 is unsustainable for individuals living with diabetes today.
2189 Solutions come from all different sources and I'm hoping that
2190 bipartisan support for individuals with diabetes to ensure that
2191 access to affordable insulin is available for everybody
2192 regardless of socioeconomic status, regardless of age, every

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2193 single person should not die or ration because of lack of access.

2194 This is just one step.

2195 Ms. Barragan. Great, thank you. I yield back.

2196 Ms. DeGette. Thank you.

2197 The chair now recognizes Mr. Carter for 5 minutes.

2198 Mr. Carter. Thank you very much, Madam Chair, for allowing
2199 me to sit in on this meeting, and thank all of you for being here.

2200 This is a very important hearing, I can attest. I practiced
2201 pharmacy for over 30 years and I have dispensed a lot of insulin
2202 over those years and I have seen what has happened with the price
2203 of that and it is concerning.

2204 But before I begin just a couple of questions, let me say
2205 that I am proud to have Alex Azar as Secretary of Health and Human
2206 Services. I think he has done an excellent job. He is addressing
2207 a situation that the President has made one of his primary
2208 initiatives, that is, prescription drug pricing and specifically
2209 insulin drug pricing. Yes, Dr. Azar did serve as, or Secretary
2210 Azar served as CEO of Eli Lilly, and in many ways, I want someone,
2211 I want to know what is going on and I want someone helping me
2212 who does know and has the inside track.

2213 So having said that I would like to start with Dr. Cefalu?
2214 I am sorry. I hope I got that right.

2215 Dr. Cefalu. Cefalu.

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2216 Mr. Carter. Cefalu?

2217 Dr. Cefalu. Cefalu.

2218 Mr. Carter. Cefalu, excuse me. Well, thank you for being
2219 here. I wanted to ask you, what about transparency? Do you
2220 believe that transparency could help in the price of insulin or
2221 could play a role in the price of insulin?

2222 One thing that has always concerned me has been the very
2223 opaque drug supply chain. I have dealt with this for many years.

2224 In fact, before I became a member of the Energy and Commerce
2225 Committee, I served on the Oversight Committee and we had a
2226 situation where Mylan Pharmaceuticals, it was about the price
2227 of the EpiPens.

2228 And I had a chance to talk to the, or ask questions of the
2229 CEO of Mylan at that time about when it left the manufacturer,
2230 that is the beginning. I am the end. I am the pharmacist, I
2231 am dispensing it. When it left the manufacturer, it was \$150
2232 and that is what she told me and I believe her, and that is what
2233 she told me, okay. But when I dispensed it at \$600, well, what
2234 happened in between? I am just trying to figure out can
2235 transparency help us in this situation?

2236 Dr. Cefalu. Well, transparency in and of itself is not the
2237 answer. What transparency will do will help us understand the
2238 factors that go into the flow of dollars. Some of the things

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2239 that you mentioned is trying to understand what happens between
2240 each entity, and again we have to address this as a systemic
2241 problem. Going after one entity in the supply chain is not going
2242 to be the answer.

2243 So understanding the negotiations between the manufacturer
2244 and the wholesaler, understanding the fees, the discounts, the
2245 rebates that occur between the manufacturer and the pharmacy
2246 benefit manager. The pharmacy benefit manager, how much rebate
2247 goes to the health plan, how much is--

2248 Mr. Carter. But that is transparency. What you are
2249 describing is transparency.

2250 Dr. Cefalu. That's transparency. Transparency--

2251 Mr. Carter. So what you are saying is yes, we do need
2252 transparency to understand the drug supply chain.

2253 Dr. Cefalu. Transparency's needed to understand the drug
2254 supply chain as to a long-term, coming up with a long-term, viable
2255 solution.

2256 Mr. Carter. Great. Are you familiar, Doctor, or are any
2257 of you familiar with CMS's proposed rule changes as it goes to
2258 discounts being offered at the point of sale, as opposed to the
2259 way they are now where we don't even know where the discounts
2260 are going or who they are being applied to? Any of you familiar
2261 with that? I see you shaking your head. Any thoughts on that?

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2262 Dr. Cefalu. This aligns with some of the conclusions from
2263 our Working Group, again to make sure the rebate makes it to the
2264 patient at the point of sale.

2265 Mr. Carter. Right. And do you believe that is happening
2266 now?

2267 Dr. Cefalu. I can't say that's happening now.

2268 Mr. Carter. Neither can I and neither can anyone. I mean
2269 if we don't have transparency we don't know. Anyone else care
2270 to comment on that?

2271 I am sorry, I can't--

2272 Mr. Kowalski. JDRF is supportive of this. It's one
2273 mechanism to remove rebates from the system and pass them along
2274 to consumers. We need to see this in the commercial sector as
2275 well. It's a step and I think we've heard there are systemic
2276 issues, but we see this is an important step.

2277 Mr. Carter. Good. And yes, ma'am?

2278 Ms. Marchand Aprigliano. So the fact is that the safe harbor
2279 protections, the two that have been recommended as part of the
2280 proposal, the second step in this is a fixed fee per transaction.

2281 And that is incredibly important when we're talking about
2282 transparency, because all of a sudden that is taken away, the
2283 rebates are taken away and what happens is that this goes to the
2284 patient, not lost in the system.

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2285 Mr. Carter. Good. Well, thank you for pointing that out
2286 because I would agree with you.

2287 And, Dr. Cefalu, you are correct, we need transparency but
2288 that is not the only thing we need. But I would submit to you
2289 that that is an important part of what we are seeing right now.

2290 If you look at the mission of the pharmacy benefit managers,
2291 the PBMs, it will tell you their mission is to keep prescription
2292 drug prices low. Well, I would ask you, how is that working out?

2293 Obviously, it is not working out very well at all.

2294 And when you have three PBMs that control almost 80 percent
2295 of the market, I don't think we have enough competition in that
2296 area. I want transparency and we need transparency. It is the
2297 only way we are ever going to see exactly how we can attack this
2298 problem that impacts everyone. It is a nonpartisan problem.

2299 Thank you, Madam Chair, and I yield back.

2300 Ms. DeGette. Thank you so much, Mr. Carter. The gentleman
2301 yields back.

2302 The ranking member and I have a few more questions that I
2303 am going to ask and then he might have a few to follow up. But
2304 I do want to say, you know, Mr. Sarbanes was asking all of you
2305 how likely you felt it was that Congress would do anything, and
2306 I don't blame you for not wanting to answer. I will say this.

2307 I will say this though, you can see that the urgency that we

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2308 all feel about insulin pricing is bipartisan. I mean, Mr.
2309 Guthrie and I have worked hand-in-hand throughout this process.
2310 Usually the minority gets a witness and we agreed all the
2311 witnesses are the majority and the minority witnesses today.
2312 Ms. Brooks and Dr. Ruiz are both vice chairs of the Diabetes Caucus
2313 of which I am the chair. We are committed to fixing this. So
2314 I want to let all of you know this and everybody else who is
2315 listening, we are committed to a bipartisan solution and these
2316 questions I am asking are in that vein.

2317 The first one is, Dr. Powers, this is something that I don't
2318 think has come out. People are asking about the list price and
2319 some people think it is the manufacturer, some people think it
2320 is the PBMs. But, in fact, virtually everybody in the system
2321 ties their pricing to the list price; isn't that correct?

2322 Dr. Powers. That's my understanding.

2323 Ms. DeGette. And so the higher the list price, everybody
2324 in the whole system gets a higher reimbursement; isn't that also
2325 correct?

2326 Dr. Powers. Dr. Cefalu referred to the Working Group that
2327 the ADA had and that was their conclusion. I remember that
2328 Working Group and that was the conclusion of the Working Group.

2329 Ms. DeGette. Right. So it is not just the manufacturers
2330 and the PBMs, it is endemic to the whole system which is why we

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2331 need to adopt a lot of these changes; is that right, Dr. Cefalu?

2332 Dr. Cefalu. That is correct. Again, this is a systemic
2333 problem and it's a dysfunctional system and every level of the
2334 supply chain needs to have some accountability.

2335 Ms. DeGette. That is right. And we are starting next week
2336 with the PBMs and the manufacturers, but as chair I am saying
2337 that I am not sure that we will be done with that after next week.

2338 Dr. Lipska, I want to ask you. Mr. Sarbanes alluded to this
2339 issue of the biosimilars, but you held up your vial of insulin.
2340 That insulin has not changed in a number of years; is that right?

2341 Dr. Lipska. That's correct.

2342 Ms. DeGette. The only thing that's changed is the price.

2343 Dr. Lipska. That's correct.

2344 Ms. DeGette. But yet maybe, Dr. Cefalu, you can talk about
2345 this too, but yet because of patent evergreening we have had an
2346 inability to develop a range of generics; is that also correct?

2347 Dr. Lipska. That's correct. And I think that was alluded
2348 to in the fact that these companies have increased their prices
2349 at, you know, at about the same time by the same amount suggesting
2350 there is very limited competition among them.

2351 Ms. DeGette. Dr. Cefalu, do you have anything to add about
2352 that?

2353 Dr. Cefalu. The newer formulations particularly in type

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2354 1, and I know that Dr. Kowalski can talk about this, have some
2355 added advantage over the old human insulins. I think that's
2356 clear. What I don't want to see is that actually, and there are
2357 a number of individuals on this panel that can talk to this point,
2358 I don't think we're there yet as far as innovation for the person
2359 with diabetes. We can say we have these wonderful analog insulins
2360 now, but we still have unacceptable rates of hypoglycemia which
2361 needs to be addressed.

2362 So to Dr. Kowalski's point, we need to address the issue
2363 of affordability but we need to continue the innovation, because
2364 from our perspective we still need to advance newer and better
2365 insulins to address this issue.

2366 Ms. DeGette. Dr. Cefalu, I totally agree with you. But
2367 we also need to find ways to get cheaper versions of the insulins
2368 that we have, right?

2369 Dr. Kowalski, maybe you can comment on this.

2370 Mr. Kowalski. Yeah, I think at JDRF we often say that we
2371 believe in competition. That competition drives innovation and
2372 affordability. And here we have a system where you have three
2373 similar insulins going up instead of down in price, which is
2374 confounding, and obviously we've heard that there are a lot of
2375 reasons that's happening. We aren't saying that the insulin
2376 companies shouldn't be profitable and invest in next generation

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2377 insulins.

2378 Ms. DeGette. Right.

2379 Mr. Kowalski. You heard from Dr. Powers that they're
2380 selling insulin abroad at a much lower price. So the question
2381 is, how can we make that happen in the United States of America
2382 and make sure insulins are affordable? That good insulins--my
2383 brother as I mentioned in my testimony has benefited from these
2384 advances in these insulins, but they need to be affordable. You
2385 do not achieve better outcomes. So having biosimilars or
2386 generics come to the market is another mechanism to drive
2387 affordability.

2388 Ms. DeGette. Thank you.

2389 Okay, I have one last question. I want everybody on the
2390 panel to briefly answer this question. Next week we are going
2391 to be having much of the supply chain here. We are going to have
2392 all three manufacturers and we are going to have the three largest
2393 PBMs. So I want to ask each of you to tell me and Mr. Guthrie,
2394 what is the one question next week you would ask of this panel?

2395 Mr. Guthrie. That was my question. I was going to ask that.

2396 Ms. DeGette. That was his--see, this is how bipartisan this
2397 is.

2398 Mr. Guthrie. Don't make it shorter. Yeah, that was
2399 actually my--asked that question.

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2400 Ms. DeGette. Ms. deVore?

2401 Ms. deVore. I would ask them why in their FDA filings and
2402 common talk amongst themselves at the time when they all, when
2403 Nova Nordisk and Eli Lilly both filed for Humalog and for Novolog
2404 that their statements included that insulin would become cheaper
2405 to manufacture and how has that--why has that turned out to not
2406 be the case.

2407 Ms. DeGette. Thank you.

2408 Dr. Cefalu?

2409 Dr. Cefalu. I would ask them what is the hurdle from
2410 preventing the negotiations of the supply chain from making it
2411 down to the patient now.

2412 Ms. DeGette. Okay.

2413 Dr. Powers?

2414 Dr. Powers. I'd ask them what is the best plan to get to
2415 affordable insulin, comma, and why aren't we arriving at that,
2416 comma, and what are you doing to help with that process.

2417 Ms. DeGette. Thank you.

2418 Dr. Lipska?

2419 Dr. Lipska. I would ask how many more Americans will it
2420 take to die before prices come down.

2421 Ms. DeGette. Thank you.

2422 Ms. Marchand Aprigliano? We will have your name right by

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2423 the end, I think.

2424 Ms. Marchand Aprigliano. Hopefully.

2425 My question would be is what are you willing to give up in
2426 order to make sure that every single person with diabetes has
2427 access to affordable insulin.

2428 Ms. DeGette. Thank you.

2429 Dr. Kowalski?

2430 Mr. Kowalski. I would ask how can we ensure that people
2431 with diabetes are paying the net price and why aren't we seeing
2432 that passed on to the consumer with diabetes.

2433 Ms. DeGette. Thank you. Thank you.

2434 Mr. Guthrie?

2435 Mr. Guthrie. That was my exact question. I was going to
2436 say give me your elevator question that you would ask in 30 seconds
2437 from--but so we have put a lot of research into this. We really
2438 want to get this right because we have innovation coming and we
2439 want to make sure we have innovation in other areas of diabetes
2440 delivery.

2441 And so when we met with--I know I have met with at
2442 least--specific manufacturers said that they don't believe
2443 anybody is paying more than \$99. And so you guys are with all
2444 the pay, all the movement forward, you are saying that is just
2445 absolutely not--because I want to get to it next week. So you

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2446 are saying that because we may hear that, that through all the
2447 programs, whatever, people really aren't paying \$1,400 a month.

2448 You are saying there are clear examples of people paying \$1,400
2449 a month that you know of. Not just anecdotal, people that you
2450 know of that are paying those full prices, all of you? That will
2451 be good to know.

2452 Well, thank you--you wanted to--

2453 Dr. Lipska. I can answer that question more specifically
2454 because we asked people in the survey, how much do you pay monthly
2455 or, sorry, annually for your insulin? And as you can expect it
2456 was difficult for people to estimate exactly, but the ranges,
2457 you know, were from zero to 5 to \$600, on average, throughout
2458 the year.

2459 Mr. Guthrie. Okay.

2460 Mr. Kowalski. Ranking Member Guthrie, in my role at JDRF
2461 I travel to almost every state in our great country and it is,
2462 as I stated, the number one question I get with specific examples
2463 of paying exorbitant out-of-pocket costs. So it's absolutely
2464 still a prevalent problem.

2465 Mr. Guthrie. Ms. deVore?

2466 Ms. deVore. And I can leave this receipt for you. It is
2467 a copy from January 19th of 2019 for \$728.49 from a friend of
2468 mine.

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2469 Mr. Guthrie. Thank you.

2470 All right, I appreciate that. I just want to get that on
2471 the record as we go forward.

2472 Ms. DeGette. Thank you so much.

2473 I want to thank all the witnesses for coming today. And
2474 -- let me get to my conclusion here. And I want to thank all
2475 of the -- this way? There we go. I want to thank everybody for
2476 coming.

2477 Pursuant to committee rules, members have 10 business days
2478 to submit additional questions for the record to be answered by
2479 witnesses who have appeared before the subcommittee. And I would
2480 ask all of you to respond promptly to any such questions that
2481 you should receive, in particular if they are relevant to next
2482 week's hearing that would help us in the hearing.

2483 And with that -- and we also may invite some of you back
2484 at some point to brief us as to whether the companies are making
2485 any progress. We are serious about this. And my staff says that
2486 we might invite them back in September, but I think we might invite
2487 them back sooner because we are really committed to doing this.

2488 And with that the subcommittee is adjourned.

2489 [Whereupon, at 12:54 p.m., the subcommittee was adjourned.]