The new type of vaccines were made too fast		
The development of the vaccines may seem fast and involve new technology, but they are safe to take Would you like me to explain more?		
Why are they using a new type of vaccine?	The vaccines were made too fast	
While the approval of a vaccine made from <span><b>mRNA</b></span> (Pfizer and Moderna) is new	In March 2020, experts estimated that it would take approximately 12-18 months before we would have access to vaccines mrna	
The research behind using mRNA for medical purposes began more than a decade ago	Then the first COVID-19 vaccine was approved 9 months later While this might seem suspiciously fast, it's important to keep in mind that estimates are	
![timeline comparing 1 year of Covid19 history to more than a decade of mRNA technology] (new_1.png)	hard to make correctly	
Until recently, mRNA vaccines have simply been difficult to work with because:		
-They were delicate and quickly fell apart -They were difficult to deliver into human cells -Their efficacy was low		
	//What's affecting it?	

	The main unpredictable factors were the effe	cts of
	-How applicable <span><b>SARS</b></span> resea -How strong the international collaboration ar	rch from 2002 would be for COVID-19 nd emergency responses would be
	Which would you like to hear about first?	
//Then why are we using them?	//SARS research from 2002 (goes to research transfer section)	//International cooperation and emergency responses (goes to the section with that name)
After more than a decade of research, experts have found ways to overcome all of those problems	During the outbreak of SARS in 2002, efforts were made to find a vaccine	The worldwide state of emergency caused by COVID-19 helped pour an
This has caused a burst of interest in mRNA technologies in recent years	They began looking for a part of the virus that would make the best vaccine target	collaboration, and funding into finding a vaccine
mRNAs are even being studied as possible cancer therapies	![a virus that looks like covid, but in a different color, being magnified] (fast_1.png)	This global level of engagement and concentrated effort made COVID-19 vaccine development everyone's priority
	This is a crucial part of vaccine research that can take years to optimize	
	By the time researchers identified the <span><b>spike protein</b></span> as an ideal target, the outbreak ended and interest in this work was lost	

//That's amazing!	//How does this apply to COVID-19?	//What about the approval process?
Yes indeed! Today's mRNA technology is effective, safe, and can be more easily mass produced than the vaccines that you're already familiar with Our 'new' vaccines are built on more than a decade of research and are just as safe as any other vaccine you've taken!	<ul> <li>When it came time to develop a vaccine again</li> <li>Researchers hoped that the spike protein identified from SARS 2002 would also be a good target in its sister virus, SARS-CoV2, which causes COVID-19</li> <li>And it worked!</li> <li>Years of COVID-19 research was quickened thanks to the effort made almost 2 decades ago</li> </ul>	The average vaccine would have to finish all of their research and <span>clinical trials</span> before Health Canada or the <span>CDC</span> would even review them But in light of the pandemic, both governments started reviewing new data as soon as they were available, to make the review process more time efficient <b>![A timeline that highlights the parallel research a review process being used during the pandemic] (fast_2.png)</b> This method does not cut any corners, it simply gathers all of the resources in one place So it's only natural that its development and approval have been much faster than that of an average vaccine
	I nope this has helped explain the difference	between the estimate and our reality

How does it help <b>me</b> ?		
The vaccine acts as a new, stronger layer of protection against COVID-19		
All approved vaccines are safe and highly effective in preventing both symptomatic and severe COVID-19 cases		
Do you have any questions?		
Why should I take the vaccine?	Which vaccine would be best for me?	
It can seem a difficult decision to make at first	With the current tight supply of vaccines worldwide	
And it's normal to be overwhelmed	You likely won't get to choose once your time comes to get vaccinated	
The important thing to remember is that		
All of the approved vaccines are highly effective at preventing <span><b>symptomatic</b></span> COVID-19 infection		
Which is why you should take the vaccine to keep yourself safe		
//What if I get COVID even after vaccination?	//You have a point	

Even if you test positive for COVID-19, having taken the vaccine can mean		
spending your recovery without symptoms like this	It's also very difficult to compare their effective	ness, because of all the varying elements in
	clinical trials, such as:	
[person with no symptoms, self isolating while eating popcorn and		
watching movie] (why_1.png)	Where the studies were done	
And not like this	When they were done	
<pre>![person in bed with fever and not feeling well] (why_2.png)</pre>	What kind of new variants showed up during the	nat time
Or like this	![a globe is shown on the left, a tree in 4 dif different colored and shaped spike proteins	fferent seasons is shown in the middle, 3 s are shown on the right] (which_1.png)
![person in hospital bed, on a ventilator system] (why_3.png)	And so on	
Taking the vaccine is a crucial step in keeping yourself safe		
//Do I still have to social distance after?	//Why does that matter? (continues)	//Ah ok (jumps to 'good news' section)
Yes, you do	That's a great question!	
I know it can be difficult to hear this	Let's start with an example	
but you would still need to follow all current guidelines to minimize your risk of	You may have heard that Johnson &	
getting COVID-19 as much as possible	Johnson's vaccine is only 66% effective,	
	which is lower than Pfizer's 95%	
	//Yes	

	-	
//If I still have to follow all the current COVID-19 guidelines, then what's the		
point of the vaccine?		
It's great that you've been following all of the guidelines!	But during Johnson & Johnson's trials, a new	
	and highly contagious <span>variant</span>	
Think of the vaccine as an added layer of protection to keep you even safer	of COVID-19 was spreading, which didn't	
	happen during Pfizer's trials	
The vaccine is highly effective at preventing symptomatic COVID-19 infections		
	To make comparison more difficult, Johnson &	
[Animation showing a person in their underwear in the snow, feeling	Johnson's vaccine has been shown to prevent	
cold. Sweatpants are put on to symbolize avoiding crowds. Hat and scarf	<pre><span>severe COVID-19</span> cases more</pre>	
are put on to symbolize wearing your face mask. Boots symbolize	effectively than Pfizer's vaccine does	
quarantine, gloves mean washing your hands, a sweater equals social		
distancing. The person is not freezing anymore, but still cold. Finally a	Even though Pfizer's vaccine is more effective	
thick winter jacket symbolizes the vaccine. All of these clothes now keep	at preventing <span><b>symptomatic</b></span>	
the person protected against the cold.] (comm_jacketlabel.gif)	COVID-19 cases	
	[scales showing that Johnson and	
	Johnson is better at preventing severe	
	disease, while Pfizer is better at preventing	
	symptomatic diseasel (which 2.png)	
	-)h	
//That's an interesting analogy	//This isreally complicated	
	//Do the numbers have any meaning then?	
Thank you!		

And just like a winter storm, you can choose to go shovel snow without a winter jacket

![person shoveling snow without a winter jacket and shivering ]
(comm\_shovel.png)

But you will get very cold, very fast, and that is dangerous for your health

![the same person is now an giant icicle] (comm\_shovelicicle.png)
//I see...

And while we don't yet know how long this jacket will last,

![there is a hole in jacket, the filling is falling out] (comm\_jackethole.png)

Or if one size really does fit all,

![smaller person with the same large jacket, obviously ill fitting]
(comm\_smallpersonjacket.png)

Until we get better jackets, wearing the one that we do have is definitely better than not having one at all.

![freezing person next to person with jacket]
(comm\_smallfreezingjacket.png)
//Hmm...

	The main takeaway from these numbers is that	t all the vaccines that have been approved
And just like how the jacket protects you from the worst of the cold, taking the	are highly effective	
vaccine helps lower the risk of symptomatic COVID-19 disease		
	And that getting any vaccine will give you more	e protection than not getting one at all
If enough people take the vaccine and are protected from symptomatic		
COVID-19, then this will lessen the current burden on the health care system	[Chances of getting COVID19 is low for the	ose who have taken the vaccine, but
	higher for those who are not vaccinated] (w	<mark>/hich_3.png)</mark>
![Health care professional with many filled patient beds behind them,		
frowning] (why_10.png)	If you have allergy concerns, please take a look at the vaccine ingredients with your health care provider before getting vaccinated	
[Health care professional with less filled patient beds behind them,		
smiling] (why_11.png)	//Maybe i'll wait	//Ok sounds good (ends convo)
So we'll have more resources left to better care for people with cases of <span>severe COVID-19</span>		

![Animation showing a person in their underwear in the snow, feeling cold. Sweatpants are put on to symbolize avoiding crowds. Hat and scarf are put on to symbolize wearing your face mask. Boots symbolize quarantine, gloves mean washing your hands, a sweater equals social distancing. The person is not freezing anymore, but still cold. Finally a thick winter jacket symbolizes the vaccine. All of these clothes now keep the person protected against the cold.] (comm\_jacketlabel.gif)

Although one size may not fit all and future jackets may be warmer,

![a line of jackets that are different in size
and shape] (comm\_lineofjackets.gif)

The storm isn't stopping anytime soon. If you are offered a jacket, you should definitely take it now.

![30cm of snow falls at once on the person] (comm\_30cm.png)

Since we don't yet know for how long the vaccine's effects last, you might need to have booster COVID-19 vaccines in the future.

By then you'll be able to pick and choose!	

## FINISHED UP TO HERE SO FAR - WILLOW

Do the vaccines work?		
All the vaccines approved so far are considered to be highly effective against preventing severe COVID-19 disease		
Would you like me to go into details?		
Does the vaccine work on variants?	What does 95% effectiveness mean exactly	
It can be distressing to learn that COVID-19 is changing into new	Hmm, this can be a tricky one	
And emerging evidence seems to show that vaccines are less effective against these new variants	Let's start with an important point A 95% effectiveness does NOT mean that if 100 people take the vaccine, it will work for 95 of those people, and have zero effect on the other 5	
//Shouldn't it work the same against all COVIDs?	//Ohhh //I knew that	
The COVID-19 vaccines work by safely helping your <span>immune system</span> recognize the <span>spike protein</span>	Instead, it means that if you're vaccinated, you'll have 95% less chance of getting a <span><b>symptomatic</b></span> COVID-19 case compared to someone who hasn't gotten a vaccine	
![a spike protein, shaped like an arrow is shown] (variant_1.png)	Ubar GRAPH of chances of getting COVID-191 (95, 1 ppg)	
So that your body will know to quickly identify and destroy anything that has that kind of spike proteins in the future		
![COVID-19 virus is shown, with the spike protein emphasized] (variant_2.png)		

//Sure		//So which vaccine is more effective?
Unfortunately, it only recognizes the version of the spike has the recipe for	protein that the vaccine	It's actually very difficult to compare their effectiveness, because of all the varying elements in clinical trials, such as:
		- where the studies were done
Ispike protein in 1 color, with a syringe underneath	itj (variant_3.png)	- when they were done
So if the variant spike protein changes enough that it's if		and so on
	panz	
![spike proteins in different colors and a bit distorted original] (variant_4.png)	I appear next to the	![a globe is shown on the left, a tree in 4 different seasons is shown in the middle, 3 different colored and shaped spike proteins are shown on the right] (which_1.png)
Then the immune system can take longer to launch an a time to multiply	ttack, giving the virus	
![immune cell eats the original spike protein and 1/3 leaves, as the remaining 2 variants proliferate] (varia	of the new variant and nt_5.png)	
//So what's the point of taking the vaccine then?	//That's unfortunate	//So what are the difficulties in our case?
You still need to be protected from the original		For example, you may have heard that Johnson & Johnson's vaccine is only 66%
COVID-19 viruses, which are still actively spreading		effective, which is lower than Pfizer's 95%
And having some protection against new variants is still much better than having no protection at all		But during Johnson & Johnson's trials, a new and highly contagious variant of COVID-19 was spreading, which didn't happen during Pfizer's trials

//Ah right :(
To make comparison more difficult, Johnson & Johnson's vaccine has been shown to prevent <span>severe COVID-19</span> cases more effectively than Pfizer's vaccine does
Despite being less effective at preventing <span><b>symptomatic</b></span> COVID-19 cases
[scales showing that Johnson and Johnson is better at preventing severe
disease, while Prizer is better at preventing symptomatic disease] (which_2.phg)
//This isreally complicated
<pre>//This isreally complicated //Do the numbers have any meaning then?</pre>
<pre>//This isreally complicated //Do the numbers have any meaning then? Even if the numbers might differ between vaccines</pre>

Tell me about clinical trials		
COVID-19 vaccine testing was completed properly following regulations, with no simplifications/shortcuts in the process		
Would you like to learn more about clinical trials?		
What are clinical trials?	Were people like me included in the clinical trials?	
Great question!	That's a very good question to ask, since the clinical trials unfortunately do not tend to have equal representation for everyone	
Clinical trials are how pharmaceutical companies test out their products in		
humans for safety and effectiveness before the product reaches the market	Which clinical trial <span>demographic</span> would you like to see first?	
There are many other tests that a product must pass before it gets approved for		
<span>human trial</span>		
//How does it work for the vaccine then?	//Pfizer	
	//Moderna	
	//Johnson & Johnson	
	//AstraZeneca	
	<pre>[infovis for each] (Imao there's like, 15 pics)</pre>	

After researchers find a vaccine that might work, they test it extensively in the lab	I hope this has been helpful to see	
and in animal models	Poth Canada and the US state that the vaccine is saf	is and officiative, regardless of
![many vaccines, greying out as they fail] (trials_1.png)	ethnicity or sex	e and enective, regardless of
If the vaccine passes all of these tests, researchers must submit a request for human trials		
This request will be examined by a team of experts, because there are many rules in place to make sure that human trials are safe		
If the vaccine gets approved, it then moves onto clinical trials, which have 3 phases		
//How do they work?		
Phase 1 starts with a small group of 10s of volunteers, where important concerns		
such as safety, side effects and <span>dosage</span> are tested		
![10 silhouettes of people, with safety, side effects and dosage written next to them] (trials_2.png)		
This is to make sure the vaccine is given in the safest way possible, before bringing more people on board		
//What happens next?	//What if i have a pre-existing condition or if I'm pregnant?	//Ok

If everything goes well, it then moves onto phase 2	Canada and the US recommend against vaccination	
	only for children under 16 and people with a history	
With 100s of volunteers, bigger questions can be addressed	of <span><b>severe allergies</b></span> or allergy to	
	vaccine ingredients	
Like "how effective is the vaccine" and "how safe is it for everyone"		
	b	
[100 silhouettes of people, the ones that are further away are faded out,		
with effectiveness and safety for everyone written next to them]		
(trials_3.png)		
//Oh I see		·
If the vaccine reaches phase 3, 1000s of volunteers will be recruited		
So that they can get a better idea of how well the vaccine would work		
[1000 silhouettes of people, the ones that are further away are faded out,		
with effectiveness and safety for diverse groups of people written next to		
them] (thats_4.phg)		
//That's reassuring		
I'm glad you feel the same way!		
In each phase, researchers continuously make sure the vaccine is safe and		
effective		

How do the vaccines work?			
It can be intimidating to hear new words when trying to learn about the different types of vaccines			
I can explain both types of vaccine in detail, [which] would you like to hear about?			
Tell me about the Pfizer and Moderna (mRNA) vaccine Tell me about the Johnson & Johnson and AstraZeneca (viral vector) vaccine			AstraZeneca (viral vector) vaccine
What's in the vaccine?	How does the vaccine work?	What's in the vaccine?	How does the vaccine work?

This is the COVID-19 virus	Once you get the shot, the vaccine enters	This is the COVID-19 virus	Once you get the shot, the vaccine enters
	your nearby cells and the mRNA is		your nearby cells and the viral
<pre>![picture of COVID19 cutaway]</pre>	released into those cells	<pre>![picture of COVID19 cutaway]</pre>	<span><b>vector vaccine</b></span> is
(comm_COVIDcutaway.png)		(comm_COVIDcutaway.png)	released into your cells
	The mRNA stays in the cytoplasm, a		
To make the vaccine, scientists took off all	gel-like liquid that fills the cell, away from	To make the vaccine, scientists took off all	Because your protein making machinery
the parts that are useless for making the	the tightly protected nucleus that houses	the parts that are useless for making the	cannot read <span><b>DNA</b></span>
vaccine	your <span><b>DNA</b></span>	vaccine	
			![3 ribosomes are shown, 1 in red
and all the <span>genetic</span>	![the mRNA vaccine is shown	Like the shell	because it cannot read DNA, 1 in red
material	approaching the cell, only the mRNA		because it cannot read RNA, and 1 in
	enters the cell, it does not interact with	![viral envelope is gone] (in_vv_2.gif)	green because it can read mRNA]
[RNA falls from the COVID19 into the	DNA] (mrna_work_1.png)		(MOA_comm_language.png)
_ garbage] (in_mrna_2.gif)		And the spike protein that the virus uses	
		to enter your cells	The viral vector then travels to the
And the shell			<span><b>nucleus</b></span>
		ISpike protein falls from the COVID	
[viral envelope falls into the garbage]		into the garbage] (in_vv_3.gif)	And deposits the DNA segment
(in mrna 3.gif)			containing the instructions to make
			<span>spike proteins</span> inside it
			[Viral vector vaccine is shown
			approaching the cell, entering it, and
			deposits the DNA within it into the
			nucleus where your DNA is]
			(vv_work_2.png)
//I'm following	//What does mRNA do here?	//I'm following	//How do they get made then?

Then they isolated the spike protein that	The mRNA is a recipe written in a	And all the <span>genetic</span>	There, it does not interact with your own
the virus uses to enter your cells	language specifically for your cell's	material	DNA
	protein making machinery, known as		
[only the spike protein in the original	ribosomes	IRNA falls from the COVID virus into	But rather borrows your DNA's copy
COVID is left] (in_mrna_4.png)		the garbage] (in_vv_4.gif)	machines and makes copies of itself in
	[[ribosomes is shown as a blob with a		mRNA format
Wrote down a recipe that would let them	slit on top for mRNA to be inserted]	Except the part that holds the spike	
remake the spike protein	(MOA_comm_ribo.png)	protein blueprint	Which is a language specifically made to
			be read by your cell's protein making
<pre>![spike protein is written on a recipe]</pre>	Ribosomes translate and read this recipe		machinery
(in mrna 5.png)	to make <span>spike proteins</span> ,		
	which are then displayed on the outside o	f	known as ribosomes
And then threw out the spike protein	the cell		
[spike proteins fall into the garbage]	![a ribosome takes in mRNA		
(in_mrna_6.gif)	instructions and prints out spike		
	proteins] (MOA_comm_printing.gif)		
//What's in the recipe then?	//Okay, what's next?	//Okay, what's next?	// But the vaccine DNA is still inside of
			me
		They translated that viral genetic material	
What they kept was the recipe on how to	Your patrolling <span>immune</span>	into <span><b>DNA</b></span>	there are DNA protection proteins inside
make that spike protein	system will see these spike		the nucleus who find and destroy
	proteins on the outside of your own cells	And made copies of that segment	segmented DNA
They wrote this recipe using mRNA			
	They know that these spike proteins are	Wrapped it in a modified <span><b>empty</b></span>	<pre>![proteins looking chewing away</pre>
The preferred language of your cell's	not a natural part of your body, and that	virus shell that will help deliver	segmented DNA] (vv_work_3.png)
protein making machinery	they need to be eliminated	this spike protein recipe to your cells	
			So the spike protein DNA will be erased
			from your system in a couple of days

![3 ribosomes are shown, 1 in red	[immune response is shown by angry	[DNA is shown in a 6 sided virus shell	
because it cannot read DNA, 1 in red	immune cells looking at the spike	with pointed extensions] (in_vv_5.png)	
because it cannot read RNA, and 1 in	protein on the outside of a human cell]		
green because it can read mRNA]	(MOA_comm_response.png)	And that's essentially what the viral vector	
(MOA_comm_language.png)		vaccine contains	
	Your immune system will now try to make		
	antibodies for this spike protein		
//How do they get inside me?	//What are antibodies?		//I see
To make sure the mRNA can get into your	Antibodies are like giant sticky neon signs		Meanwhile, the new mRNA then leave the
cells, scientists put the mRNA into a	in your immune system, and are very		nucleus and find the protein making
protective <span>lipid envelope</span>	picky about what they stick to		machines that translate them into spike
			proteins
[mRNA is in a ball of small fat	[[antibody is a neon 'destroy this' sign]		
droplets] (in_mrna_8.png)	(MOA_comm_antibody.png)		Which are then displayed on the outside
			of the cell
And that's essentially what the mRNA	Making the right sign that will stick to the		
	spike protein will take time		![a ribosome takes in mRNA
			instructions and prints out spike
	In a real infection, it's during this time		proteins] (MOA_comm_printing.gif)
	period that the virus will multiply and take		
	over your body		
	[timeline showing increasing viral		
	load as time progresses]		
	(mrna_work_6.png)		
	//Oh no		//Okay, what's next?

But once the antibodies are mass produced, all the spike proteins in your body will be methodically tagged and destroyed <b>![antibody sticking to the spike</b> proteins on COVID-19] (MOA_comm_tagged.png)	Your patrolling <span><b>immune</b> <b>system</b></span> will see these spike proteins on the outside of your own cells They know that these spike proteins are not a natural part of your body And that they need to be eliminated
	<pre>![immune response is shown by angry immune cells looking at the spike protein on the outside of a human cell] (MOA_comm_response.png) Your immune system will now try to make</pre>
	antibodies for this spike protein
//Good to know, but what about the mRNA still inside of me?	//What are antibodies?
In your cells, the mRNA from the vaccine will be completely <span><b>degraded</b></span> after a couple	Antibodies are like giant sticky neon signs in your immune system, and are very picky about what they stick to
Leaving nothing but the memory of how to make the correct antibody [[mRNA fades while antibody appears] (mrna_work_8.png)	<pre>![antibody is a neon 'destroy this' sign] (MOA_comm_antibody.png) Making the right sign that will stick to the spike protein will take time</pre>

	In a real infection, it's during this time
	period that the virus will multiply and take
	over your body
	But once the antibodies are mass
	produced
	All the spike proteins in your body will be
	methodically tagged and destroyed
	[antibody sticking to the spike
	proteins on COVID-19]
	(MOA_comm_tagged.png)
//Ah okay	//Got it, but what about the DNA and
	mRNA bits that are still inside of me?
When a real infection comes,	your In your cells, the DNA and resulting
immune system will remembe	r how to mRNA from the vaccine will be completely
make the correct sticky neon	signs <pre><span>degraded</span> after a couple</pre>
	of days
[Timeline of antibody produ	action after
COVID19 infection with and	without the Leaving nothing but the memory of how to
vaccine. Production of antik	make the correct antibody
happens right after infection	n in those
who are vaccinated, this is o	compared ![mRNA and DNA fade while antibody
to the few weeks it might ta	ke for appears] (vv_work_8.png)
someone who is not vaccina	ated]
(MOA_comm_timeline.png)	

And immediately destroy the invaders,	
before the virus can establish itself	
	//Ah okay
	When a real infection comes
	Your immune system will remember how to make the correct sticky neon signs
	Intersection (Intersection) (Interse
	happens right after infection in those who are vaccinated, this is compared
	to the few weeks it might take for someone who is not vaccinated]
	And immediately destroy the invaders
	before the virus can establish itself

Dolu	need it?		
We encourage anyone who can get the vaccine to get it. Regardless of your occupation or previous experience with COVID-19			
Would you like	me to elaborate?		
I already had COVID, do I still need the vaccine?	If I'm working from home anyway, do I still need it?		
Yes, both Health Canada and the <span>CDC</span> strongly recommend that	The short answer is yes		
those who have already had COVID-19 still get vaccinated			
	Because you will still eventually come into contact with people		
You gain some COVID-19 immunity naturally when you've recovered from a			
COVID-19 infection	Whether it's a grocery store worker, a family member, or even someone who doesn't		
	respect social distancing		
But we still don't know now long that lasts	Image of people not social distancing properly] (home 1.png)		
	.T		
	You will need to be protected against COVID-19		
//Right	//That makes sense		
And there have been people who have tested negative for COVID-19 after	And although delays in vaccination are possible and to be expected		
recovering from a first infection, but then tested positive again	Everyone who can safely take the vaccine should take it when it becomes available		
[timeline of infection, recovery, and another infection] (already_1.png)	to them!		
So taking the vaccine is simply the safer choice to make			

//Okay	
But please make sure all of your COVID-19 symptoms have stopped before attempting to get a vaccine	
You can contact a vaccination clinic near you to learn about local guidelines	

Should I <b>take</b> it?					
	Millions of people acr	oss North America have a	already been vaccinated		
Everyone other	than children under 16	and those with severe alle	ergy to vaccine are eligible for	vaccination	
	V	Vould you like to know mo	pre?		
I'll wait to see how other people react to it first	How many people have	e been vaccinated?	Who shouldn't get the vaccine	9	
It's good that you're being cautious but are still	Data on vaccination nu	imbers are constantly	The only groups who are disc	ouraged from getting the vac	cine are
open to taking the vaccine, instead of refusing it	changing		children under 16 and people	who are <span>severely all</span>	ergic
all together	Here is the vaccination progress on March 05,		to the vaccine ingredients		
It can be scary to be bombarded with complex	2021				
information and then have to make a decision	![Infographic showing	n Canada has			
right away	vaccinated 1.47% of i	ts population while the			
	US has vaccinated 8.	21% as of March 05			
*smile	2021] (many_1.png)				
//It really is	//When will everyone	//When will everyone get	//Why can't children take	//Tell me more about people	//Ok, next
	be vaccinated in Canada?	vaccinated in the US?	them? (goes to section below)	with allergies	question please
If you're not high in the list of priorities for the	Experts anticipate that	President Biden has said	That's because children were	Those who have had an	
COVID-19 vaccine	everyone will be	that there should be	not included in any of the	<span><b>allergic</b></span>	
It's likely that you'll have to wait no matter what	September of 2021	every US adult by May 2021		<b>reaction</b> that is severe	

ccine just as I did months ago vaccinated in a few months after that facial and throat swelling
months after that facial and throat swelling
althcare practitioners are prioritized for the as well as lives
ccine, so all of my colleagues have received (shouldnt_1.png)
least 1 dose to date
Or fast (within 4 hrs)
or. Joy with one sleeve rolled up, with a
nch of other healthcare professionals
th their sleeve rolled up] (wait 1.png) person is shown with
swelling and hives]
(shouldnt_2.png)
In response to any of the
ingredients listed in the
vaccines, should not get
vaccinated
h wow These timelines are estimates only, so keep an //ah ok (goes back to //What do they do then?
eye out for new information if this interests you! allergy?)
//why weren't they included?
They weren't included for 3
the time you'll have the choice to vaccinate, Those who have a history of
is of thousands of healthcare practitioners
ross Canada and the US will have received 1. Children under 16 are allergy and
eir vaccines.
COVID-19 incredients should talk to
or. Joy with one sleeve rolled up, with their doctor before getting
en more other healthcare professionals
children is very hard because

with their sleeve rolled up than before]	there are many more	
(wait_2.png)	regulations in place, meant to	
	keep them extra safe	
	3. A child's developing	
	immune system varies a lot	
	with age, making clinical	
	 trials even more complex	
//Nice!	 	 
These health experts trust in the scientific		
process, and in the safety and effectiveness of		
the vaccine		
We know that the mild side effects we'll		
experience is a very small price to pay to		
protect ourselves from <span>symptomatic</span>		
COVID 19 infections		
Ia nealthcare professional with mild fever		
and red around the side of injection, giving		
a thumbs up]  (wait_3.png)		
I hope this helps ease your hesitancy about		
taking the vaccine		

What's the bigger picture?				
We are sure that the vaccines are safe and highly effective against symptomatic COVID-19 But there are still things that we don't yet know about the vaccine				
Would you like me to answer 2 last questions? (I'm at the end of my break time sadly)				
When will we reach herd immunity?	What don't we know about the vaccine?			
<span>Herd immunity</span> is a very important milestone for any vaccine! But unfortunately, we just don't know yet Experts are working very hard to uncover what percentage of the population would need to get vaccinated in order to reach herd immunity	There are things about the vaccine that we don't yet have solid data for, such as: How effective it is at preventing <span><b>asymptomatic</b></span> COVID-19 <b>![questions mark with person shrugging] (idk_1.png)</b> How effective the vaccine is at preventing <span>transmission</span>			
//Why don't they know yet?	//Right, these are big questions. Anything else?			
Well, there's a lot that we don't yet know about the vaccine, such as how long the COVID-19 immunity lasts	And how much of the population needs to be vaccinated to reach <span><b>herd</b> immunity</span>			
<pre>![red question mark on a calendar] (herd_1.png)</pre>	[from herd immunity: questions marks above a group of people, most of them			
Or if it has an effect on <span><b>transmission</b></span>	in one color, some of them in another color] (herd_3.png)			

II2 people shruqqing] (herd 2 ppg)	Whether the current vaccines will be as effective against <span>COVID-19</span>
:[z people sinugging] (neru_z.phg)	
So without this valuable information, it's very hard to calculate when we'll reach herd immunity.	![COVID-19 virus, in different colors] (idk_4.png)
	How long the immunity against COVID-19 lasts
[questions marks above a group of diverse people, most of them in one color,	
some of them in another color] (herd_3.png)	<pre>![from herd immunity: question mark with calendar](herd_1.png)</pre>
Stay tuned and keep an eye out for new information!	
	//Sounds like there are more?
	I'm glad you are open to hear all aspects. Sure, just couple more off top of my head
	Such as whether we'll need <span>booster shots</span> of the vaccine
	![question mark with many syringes] (idk_6.png)
	And if the vaccine is safe for children, or for people with specific health concerns such as <span><b>severe allergies</b></span>
	![question mark with child and other silhouettes of people in different colors] (idk_7.png)
	//Wow that's a lot //Is there anything that we do know?
	That list can seem pretty overwhelming!

But the important thing to remember is that all the vaccines have been proven to be very effective at preventing <span><b>symptomatic</b></span> COVID-19 cases
//Okay
This helps lower the total amount of people who will have to be hospitalized or who will experience <span><b>severe COVID-19</b></span> infections
![2 hospitals, one with many people, one with less people] (idk_8.png)
So if you get infected by COVID-19, the difference between having taken the vaccine or not could be spending your recovery like this
![person with mild fever, looking bummed] (idk_9.png)
Or like this
<pre>![person in hospital bed, on a ventilator] (idk_10.png)</pre>