Appointment Availability Searching				
			1. A pa do get do get Questi	
	Select Patient		look fo	
L 		Patient.\$match	2. This are go don't v	
 	Select specialty/reason for visit/etc.	Returns matching Patient if one exists	This is Other	
		HealthcareService.\$find	The pr and or from a	
 		Returns services that are appropriate Also optionally returns a Questionnaire to be filled in.	This is Appoir only h multip	
		Appointment.\$find (with QuestionnaireResponse as input)	provid	
 		Returns set of proposed Appointments	This w organi FHIR c alread	
		Appointment.search	This m	
 		Return existing Appointments	This is	
 	Display available appointment times to use	Perform future appointment conflict checking	above	
 - -	Select preferred appointment time	Patient.create	organ actua	
 		Returns Patient		
 		Appointment.create	 	
u U	ser communicates instructions, user/patient interactions.	Return confirmation/error with patient instructions ction ends		
 		Push CCD for Transitions of Care (non-FHIR)	\ \ \ \ \	
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- 1. A patient may not exist on the remote system, however if you do get a match, that could let you pre-populate some of the Questionnaire answers. It also lets you do Appointment.search to look for conflicting appointments.
- 2. This would use the onlyCertianMatches parameter, as if you are going to query for availability across a dozen systems, you don't want the user to have to review and pick a patient for each system that sends back multiple matches.

This is just my best idea for "discovering" the appointment type. Other ideas are welcome.

The problem I see here is that we'd really need this to return one and only one appointment type to avoid having the user pick one from a list for each endpoint.

This is essentially the "availability search". The reason it is

Appointment-oriented instead of Slot-oriented is because Slots
only have a single actor, and many appointment types will involve
multiple actors, so to provide availability, the server needs to
provide an available time that all actors are available.

This will pull existing appointments from *all* known organizations. This is intended to drive conflict checking so the FHIR client doesn't display a 9:30 appointment when the patient already has an unrelated 9:30 appointment somewhere else.

This means the client does have to compare the data from the availability results with existing appointment times.

This is only needed if Patient.\$match didn't give us a match

It is important that patients are not created prior to actually attempting to book an appointment. Trying to create a patient for availability searching would create the patient in every organization searched, regardless of whether the patient would actually be getting care at that org, and that can have HIPAA PII sharing concerns.