Appendix 1

 Table 1. USA Baseball & Safety Advisory Committee guidelines

Categories	Recommendations					
	9- to 10-year-o		2-year-old	s 1	13- to 14-ye	ear-olds
Maximum number of pitches	50 per game	75 p	er game		75 per g	ame
thrown according to the	75 per week	100 1	per week		125 per g	game
_	1000 per seaso	on 1000 j	per season		1000 per s	season
pitcher's age	2000 per year	r 3000	per year		3000 per	year
Types of pitching		Do not perform breaking pitching (eg, curveballs, sliders) until bones have matured (approximately 13 years of age).				
Pitching mechanics and	Should develop go			sible and	include ph	vsical
physical condition	conditioning exerc			31010 0110	morado pri) 51001
Multiple appearances	Once the pitcher is			should no	ot pitch aga	in.
Showcases (exhibits to recruit			<u> </u>		<u> </u>	
players)	Should not particip	Should not participate.				
Multiple leagues	Do not play in 2 le	Do not play in 2 leagues when the seasons overlap.				
	Should not compe				onths a yea	r to give
Dlaying year round	time to rest and red					
Playing year round	baseball nor participate in pitching practices or in any stressful activity that					
	requires movemen	t above the head le	evel.			
Procedure to follow when	Once the pitcher re	eaches the maximu	ım limit est	tablished	for the age	, the
reaching the pitching limit	pitcher should be removed from the game and should not pitch again during					
	that game.					
Number of weekly games	The pitcher should not pitch more than 2 games per week.					
Rest days		The pitching limits are established according to the number of pitches thrown				
	during a game:					
			Pi	tcher Age	, у	
		Number of Rest	9-10 y	11-12 y	13-14 y	
		Days	# of	# of	# of	
			pitches	pitches	pitches	
		1	21	27	30	
		2	34	35	36	
		<u> </u>	42		E.C.	
		3	43	55	56	
Pitching with pain	The pitcher should	stop pitching as s	oon as ther	e are sign	ns of pain in	n the arm.
	The parents should					lays or if
	the pain comes back immediately the next time he pitches.					
Activities after a game	The pitcher should not pitch again during the same day once out of the game.					

Table 2. Administrative Order Number 2006-01¹⁰

Categories	Recommendations								
Exercise program	The coach should implement a stretching and warm-up program for each								
	member of the team before and after a game with the purpose of acquiring								
	flexibility, resistance, and strength.								
Record keeper	Each to	Each team should have a record keeper who will write down the number of							
_	pitches	pitches thrown in the game.							
Maximum number of									
pitches thrown in a game		Maximum Number of Pitches							
according to the pitcher's		Age, y			Thrown				
age		9-10)			58			
		11-1	.2			68			
		13-1	.4			76			
Procedure to be followed when the pitching limit is reached Pitching limit per week Types of pitching Rest days	If the pitcher reaches the pitching limit allowed, the record keeper should notify the main umpire and the coach, who should remove the pitcher and bring in a new pitcher. No pitcher should pitch more than 2 games per week. No pitcher under 13 years should throw curveballs. Each pitcher should have rest days, according to the number of pitches thrown during a game.					ess:			
		Pitcher Age, y							
	F	Rest Days	7 – 8 # of pitches	9 – 10 # of pitches	11 – 12 # of pitches	13 – 14 # of pitches	15 – 16 # of pitches	17 – 18 # of pitches	
		1	18	21	27	30	25	27	
		2	28	34	35	36	38	45	
		3	38	43	55	56	62	62	
		4	45	51	58	70	77	89	
Record of lesions		eam should ke ment of Recre							

Table 3. Sociodemographic profile

	Frequency, n	Ratio, %
Sex		
Male	35	100
Maximum school level		
High school	15	42.86
Associate degree	3	8.57
Bachelor's	15	42.86
Master's	2	5.71
Certification as coach ^a		
Yes	15	42.86
No	20	57.14
Training in good pitching mechanics ^b		
Workshops	23	65.71
Television	10	28.57
Online	24	68.57
Books	17	48.57
Personal experience	4	11.43

^aRefers to a valid baseball certification as coach, provided by the Department of Recreation and Sports of Puerto Rico.

Table 4. Compliance with lesion prevention guides reported by coaches (n = 35)

	Al	All coaches			
	Total Recommendations ^a	Mean Recommendations Complied With	%		
Administrative Order No. 2006-01	20	14	70.0		
USA Baseball	19	13.89	73.11		

^aTotal number of recommendations provided by each guide..

^bThe coaches could have selected more than 1 method of training in good pitching mechanics.

Table 5. Compliance reported by coaches according to the recommendations to prevent lesions in juvenile pitchers (n = 35)

Compliance by Recommendation and Source	Total Coaches in Compliance	%
Administrative Order		
Official record keeper	34	97.14
Is there anyone in charge of notifying the	34	97.14
pitching limit?		
Who is in charge of notifying pitching limit?	19	54.29
Who should be notified when the pitcher	28	80
reaches the limit?		
Is the weekly number of games limit	28	80
established?		
Weekly number of games limited	2	5.71
Are rest days established according to the	34	97.14
number of pitches thrown?		
Rest days after 43 pitches thrown	25	71.43
Rest days after 51 pitches thrown	21	60
Does the team keep a record of lesions?	20	57.14
Procedure to be followed with the record of	1	2.86
lesions		
USA Baseball		
Education on good pitching mechanics	35	100
Participation in showcases	24	68.57
Playing in more than 1 league during a	27	77.14
season		
How many months does a season last?	34	97.14
How many months does the off-season last?	26	74.29
Procedure when the pitcher expresses pain ^a	32	94.12
Education to parents for pain management	33	94.29
Education to pitchers about what to do after a	32	91.43
game		
Recommendations after pitching in a game	12	34.29
Are pitchers allowed to throw sliders?	34	97.14
Administrative Order and USA Baseball		
Do you establish a pitching limit per game?	34	97.14
Established limit for the number of pitches	17	48.57
thrown per game		
Procedure once the pitching limit is reached	32	91.43
Are pitchers allowed to throw curveballs?	32	91.43
Do you include warm-up exercises?	35	100
Do you include stretching exercises?	34	97.14

Do you include strengthening exercises?	30	85.71
Do you include aerobic exercises?	29	82.86
Do you include cooling down exercises?	26	74.29

^aFor this recommendation, n = 34.