

Table S.1. Set of NPI measures that the Catalan government introduced within the 14th of September and the 31st of May.

Description	Date of application	Details
1 st set of NPI	15-10-2020	<ul style="list-style-type: none"> • Social activities: <ul style="list-style-type: none"> ○ Meetings of < 6 people ○ Between “cohabitation bubbles” and “extended bubbles” ○ Limited non-essential travels • Cultural and leisure activities: <ul style="list-style-type: none"> ○ Closed: bingos, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in cultural activities and preassigned seats ○ Closing time at 23:00 h ○ Children's playgrounds open until 20:00 h • Shops and shopping centres: <ul style="list-style-type: none"> ○ 30% capacity in retail businesses ○ 1,5 m of minimum distance between customers ○ Closed: Beauty centres, except from hairdressers ○ 30% capacity in non-sedentary markets • Religious acts and civil ceremonies: <ul style="list-style-type: none"> ○ 50% capacity • Sports: <ul style="list-style-type: none"> ○ 50% capacity in gyms ○ Closed: unsupervised sports venues ○ Postponed: non-professional competitions ○ Not postponed: professional competitions • Hotels and restaurants: <ul style="list-style-type: none"> ○ Closed: only home delivery or pick-up at the establishment by appointment ○ 50% capacity in common areas in hotels • Universities and schools: <ul style="list-style-type: none"> ○ Opened: schools, institutes, extracurricular activities and sports ○ Universities: online theoretical teaching • Companies: <ul style="list-style-type: none"> ○ Promotion of telework ○ Air renovation before and after working hours ○ Suspended: congresses, conventions and trade fairs
Introduction of RAT	23-10-2020	<ul style="list-style-type: none"> • Introduction of RAT in addition to PCR tests
2 nd set of NPI	25-10-2020	<ul style="list-style-type: none"> • Night-time confinement, from 22:00 h to 6:00 h <ul style="list-style-type: none"> ○ Closed to the public at 21:00 h: services, retail businesses, restaurants, sportive and recreational activities and public spaces ○ Closed to the public at 22:00 h: cultural activities. Attendees are allowed to return home between 22:00 h and 23:00 h • Exceptions: <ul style="list-style-type: none"> ○ Emergency healthcare ○ Acquisition of pharmaceutical products as a matter of urgency ○ Travel to and from work, with the corresponding company certificate ○ Travel of professionals, and accredited volunteer staff, to provide essential, health and social services ○ Care for the elderly, minors, dependents either disabled or especially vulnerable, for undelayable reasons

		<ul style="list-style-type: none"> ○ Urgent action in the courts ○ Return to the place of usual residence ○ Pet urgent care from 4:00 h to 6:00 h, individual travel ○ Other causes of justified need
3 rd set of NPI	29-10-2020	<ul style="list-style-type: none"> Forbidden to enter or leave Catalonia During the weekends, forbidden to enter or leave municipality from 6:00 h on Friday until 6:00 h on Monday. Exceptions: <ul style="list-style-type: none"> ○ Visits to the region's cemeteries on October 31st and All Saints' Day ○ Health services, work trips or causes of justified need ○ Individual sports activities between neighbouring municipalities Closure of bars and restaurants extended. Food delivery at home until 23:00 h Only loan service in libraries Closed: theatres, cinemas, concert halls, sports centres and gyms. <ul style="list-style-type: none"> ○ Shopping centres, except for shops that are food and essential services ○ Shops of more than 800 m² if the area is not reduced to 800 m² and limit the capacity to 30% ○ Extracurricular activities, except those done at school keeping the "group bubble"
Relaxation of previous NPI	23-11-2020	<ul style="list-style-type: none"> Social activities: <ul style="list-style-type: none"> ○ Meetings of < 6 people, within the "usual bubble" Cultural and leisure activities: <ul style="list-style-type: none"> ○ Closed: bingo, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in museums, libraries and exposition halls ○ 50% capacity and 500 people limit in cinemas, theatres, auditoriums and concert halls ○ Children's playgrounds open until 20:00 h Shops and shopping centres: <ul style="list-style-type: none"> ○ Closed: shopping centres, except from first need shops with public access ○ Opened: establishments offering close physical contact services, including hairdressers and beauty centres, with prior appointment and preventive measures ○ 30% capacity in shops and non-sedentary markets Religious acts: <ul style="list-style-type: none"> ○ 30% capacity Sports: <ul style="list-style-type: none"> ○ 50% capacity in outdoor sports facilities and equipment ○ 30% capacity in indoor facilities, with prior appointments and no dressing rooms, except for swimming activities Restaurants: <ul style="list-style-type: none"> ○ Home delivery until 23:00 h or pick-up at the establishment until 22:00 h ○ Terraces open from 6:00 h to 21:30 h ○ 30% capacity in indoor spaces from 6:00 h to 21:30 h ○ 4 people per table and 2 m of separation between tables Extracurricular activities: <ul style="list-style-type: none"> ○ Opened: non-competitive sport activities in school, leisure educational activities outdoors

		<ul style="list-style-type: none"> Maximum of 6 people in indoor leisure educational activities and on-site extracurricular activities <p>Education:</p> <ul style="list-style-type: none"> Opened: schools and institutes Reduction of on-site activities: bacalaureate, training courses and regulated general education courses Universities: online theoretical teaching <p>Companies:</p> <ul style="list-style-type: none"> Promotion of telework Suspended: congresses, conventions and fairs <p>Lockdown:</p> <ul style="list-style-type: none"> Forbidden to enter or leave Catalunya without justified motivation Forbidden to enter or leave the municipality from Friday at 6:00 h to Monday at 6:00 h Night-time confinement, from 22:00 h to 6:00 h, except from justified needs
December vaccination	27-12-2020	First stage of vaccination
January NPI	07-01-2021	<p>Social activities:</p> <ul style="list-style-type: none"> Meetings of < 6 people, from two “cohabitation bubbles” Indoor meetings limited to visits to dependent or vulnerable people within the “cohabitation bubble” <p>Cultural and leisure activities:</p> <ul style="list-style-type: none"> Closed: bingos, casinos, arcades, children's indoor play areas, local festivals 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors 50 % capacity in children's playgrounds, opened until 20:00 h <p>Shops and shopping centres:</p> <ul style="list-style-type: none"> Closed: shopping centres and shops of more than 400 m², except first need establishments 30% capacity in retail businesses, shopping centres of less of 400 m² and non-sedentary markets. Opened from 6:00 h to 21:00 h <p>Religious acts:</p> <ul style="list-style-type: none"> 30% capacity, maximum of 500 people indoors, 1000 people outdoors <p>Sports:</p> <ul style="list-style-type: none"> 50% capacity in outdoor sports facilities and equipment, < 6 people Closed: indoor facilities and activities, competitions <p>Restaurants:</p> <ul style="list-style-type: none"> Home delivery until 23:00 h or pick-up at the establishment until 22:00 h Terraces open from 7:30 h to 09:30 h and from 13:00 h to 15:30 h 30% capacity in indoor spaces from 7:30 h to 09:30 h and from 13:00 h to 15:30 h 4 people per table and 2 m of separation between tables <p>Extracurricular and leisure activities:</p> <ul style="list-style-type: none"> Opened: activities in school or organised by educational centres, within the “educational group bubble” Closed: all others

		<p>Education:</p> <ul style="list-style-type: none"> ○ Opened: schools and institutes ○ Reduction of on-site activities: baccalaureate, training courses and regulated general education courses ○ Universities: online theoretical teaching <p>Companies:</p> <ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs <p>Lockdown:</p> <ul style="list-style-type: none"> ○ Forbidden to enter or leave Catalunya without justified motivation ○ Forbidden to enter or leave the municipality without justified reason or to work ○ Night-time confinement, from 22:00 h to 6:00 h, except from justified needs
February NPI	08-02-2021	<p>Social activities:</p> <ul style="list-style-type: none"> ○ Meetings of < 6 people, from two “cohabitation bubbles” ○ Indoor meetings limited to visits to dependent or vulnerable people within the “cohabitation bubble” <p>Cultural and leisure activities:</p> <ul style="list-style-type: none"> ○ Closed: bingos, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors ○ 50 % capacity in children's playgrounds, opened until 20:00 h <p>Shops and shopping centres:</p> <ul style="list-style-type: none"> ○ Closed: shopping centres and shops of more than 400 m², except first need establishments ○ 30% capacity in retail businesses, shopping centres of less of 400 m² and non-sedentary markets. Opened from 6:00 h to 21:00 h <p>Religious acts:</p> <ul style="list-style-type: none"> ○ 30% capacity, maximum of 500 people indoors, 1000 people outdoors <p>Sports:</p> <ul style="list-style-type: none"> ○ 50% capacity in outdoor sports facilities and equipment, < 6 people ○ 30% capacity in indoor facilities and activities, <6 people and wearing masks ○ Competitions only in state categories <p>Restaurants:</p> <ul style="list-style-type: none"> ○ Home delivery until 23:00 h or pick-up at the establishment until 22:00 h ○ Terraces open from 7:30 h to 10:30 h and from 13:00 h to 16:30 h ○ 30% capacity in indoor spaces from 7:30 h to 10:30 h and from 13:00 h to 16:30 h ○ 4 people per table and 2 m of separation between tables <p>Extracurricular and leisure activities:</p> <ul style="list-style-type: none"> ○ All activities re-opened, groups of <6 people or those maintaining the bubble group. <p>Education:</p> <ul style="list-style-type: none"> ○ Opened: schools and institutes

		<ul style="list-style-type: none"> ○ Reduction of on-site activities: bacculaureate, training courses and regulated general education courses ○ Universities: online theoretical teaching <p>Companies:</p> <ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs <p>Lockdown:</p> <ul style="list-style-type: none"> ○ Forbidden to enter or leave Catalunya without justified motivation ○ Forbidden to enter or leave the comarca without justified reason or to work ○ Night-time confinement, from 22:00 h to 6:00 h, except from justified needs
February vaccination	08-02-2021	Second stage of the vaccination
March NPI	01-03-2021	<p>Social activities:</p> <ul style="list-style-type: none"> ○ Meetings of < 6 people, from two “cohabitation bubbles” ○ Indoor meetings limited to visits to dependent or vulnerable people within the “cohabitation bubble” <p>Cultural and leisure activities:</p> <ul style="list-style-type: none"> ○ Closed: bingos, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors ○ 50 % capacity in children’s playgrounds, opened until 20:00 h <p>Shops and shopping centres:</p> <ul style="list-style-type: none"> ○ Closed: shopping centres and shops of more than 400 m², except first need establishments ○ 30% capacity in retail businesses, shopping centres of less of 400 m² and non-sedentary markets. Opened from 6:00 h to 21:00 h <p>Religious acts:</p> <ul style="list-style-type: none"> ○ 30% capacity, maximum of 500 people indoors, 1000 people outdoors <p>Sports:</p> <ul style="list-style-type: none"> ○ 50% capacity in pools, outdoor sports facilities and equipment ○ 30% capacity in indoor facilities and activities, <6 people and wearing masks ○ Competitions only in international and state categories <p>Restaurants:</p> <ul style="list-style-type: none"> ○ Home delivery until 23:00 h or pick-up at the establishment until 22:00 h ○ Terraces open from 7:30 h to 10:30 h and from 13:00 h to 16:30 h ○ 30% capacity in indoor spaces from 7:30 h to 10:30 h and from 13:00 h to 16:30 h ○ 4 people per table and 2 m of separation between tables <p>From the 8 of March on, restaurants open from 07:30h to 17:00h.</p> <p>Extracurricular and leisure activities:</p> <ul style="list-style-type: none"> ○ All activities re-opened, groups of <6 people or those maintaining the bubble group. ○ Scholar trips allowed. <p>Education:</p>

		<ul style="list-style-type: none"> ○ Opened: schools and institutes ○ Reduction of on-site activities: baccalaureate, training courses and regulated general education courses ○ Universities: online theoretical teaching <p>Companies:</p> <ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs <p>Lockdown:</p> <ul style="list-style-type: none"> ○ Forbidden to enter or leave Catalunya without justified motivation ○ Forbidden to enter or leave the comarca without justified reason or to work ○ Night-time confinement, from 22:00 h to 6:00 h, except from justified needs
	15-03-2021	<p>Social activities:</p> <ul style="list-style-type: none"> ○ Meetings of < 6 people ○ Indoor meetings limited to visits to dependent or vulnerable people within the “cohabitation bubble” <p>Cultural and leisure activities:</p> <ul style="list-style-type: none"> ○ 30% capacity in bingos, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors ○ 50 % capacity in children’s playgrounds, opened until 20:00 h <p>Shops and shopping centres:</p> <ul style="list-style-type: none"> ○ Closed: shopping centres and shops of more than 400 m², except first need establishments ○ 30% capacity in retail businesses, shopping centres of less of 400 m² and non-sedentary markets. Opened from 6:00 h to 21:00 h <p>Religious acts:</p> <ul style="list-style-type: none"> ○ 30% capacity, maximum of 500 people indoors, 1000 people outdoors <p>Sports:</p> <ul style="list-style-type: none"> ○ 50% capacity in pools, outdoor sports facilities and equipment ○ 30% capacity in indoor facilities and activities, <6 people and wearing masks ○ All competitions allowed. Professional football and basketball without public. In others, 50% public outdoors and 30% public indoors <p>Restaurants:</p> <ul style="list-style-type: none"> ○ Home delivery until 23:00 h or pick-up at the establishment until 22:00 h ○ Terraces open from 7:30 h to 17:00 h ○ 30% capacity in indoor spaces from 7:30 h to 17:00 h ○ 4 people per table and 2 m of separation between tables <p>Extracurricular and leisure activities:</p> <ul style="list-style-type: none"> ○ All activities re-opened, groups of <6 people or those maintaining the bubble group. ○ Scholar trips allowed. <p>Education:</p> <ul style="list-style-type: none"> ○ Opened: schools and institutes

		<ul style="list-style-type: none"> ○ Reduction of on-site activities: baccalaureate, training courses and regulated general education courses ○ Universities: 30% of on-site teaching <p>Companies:</p> <ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs <p>Lockdown:</p> <ul style="list-style-type: none"> ○ Forbidden to enter or leave Catalunya without justified motivation ○ Mobility limited to people within the same “cohabitation bubble” ○ Night-time confinement, from 22:00 h to 6:00 h, except from justified needs
April NPI	09-04-2021	<p>Social activities:</p> <ul style="list-style-type: none"> ○ Meetings of < 6 people ○ Indoor meetings limited to visits to dependent or vulnerable people within the “cohabitation bubble” <p>Cultural and leisure activities:</p> <ul style="list-style-type: none"> ○ 30% capacity in bingos, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors ○ 50 % capacity in children’s playgrounds, opened until 20:00 h <p>Shops and shopping centres:</p> <ul style="list-style-type: none"> ○ 30% capacity. Opened from 6:00 h to 21:00 h, including weekends <p>Religious acts:</p> <ul style="list-style-type: none"> ○ 30% capacity, maximum of 500 people indoors, 1000 people outdoors <p>Sports:</p> <ul style="list-style-type: none"> ○ 50% capacity in pools, outdoor sports facilities and equipment ○ 30% capacity in indoor facilities and activities, <6 people and wearing masks ○ All competitions allowed. Professional football and basketball without public. In others, 50% public outdoors and 30% public indoors <p>Restaurants:</p> <ul style="list-style-type: none"> ○ Home delivery until 23:00 h or pick-up at the establishment until 22:00 h ○ Terraces open from 7:30 h to 17:00 h ○ 30% capacity in indoor spaces from 7:30 h to 17:00 h ○ 4 people per table and 2 m of separation between tables <p>Extracurricular and leisure activities:</p> <ul style="list-style-type: none"> ○ All activities re-opened, groups of <6 people or those maintaining the bubble group. ○ Scholar trips allowed. <p>Education:</p> <ul style="list-style-type: none"> ○ Opened: schools and institutes ○ Reduction of on-site activities: baccalaureate, training courses and regulated general education courses ○ Universities: 30% of on-site teaching <p>Companies:</p>

		<ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs <p>Lockdown:</p> <ul style="list-style-type: none"> ○ Forbidden to enter or leave Catalunya without justified motivation ○ Forbidden to enter or leave the comarca without justified reason or to work ○ Night-time confinement, from 22:00 h to 6:00 h, except from justified needs <p>From the 26-04-2021 mobility within the whole Catalonia allowed</p>
April vaccination	01-04-2021	Third stage of the vaccination
May NPI	03-05-2021	<p>Social activities:</p> <ul style="list-style-type: none"> ○ Meetings of < 6 people ○ Indoor meetings limited to visits to dependent or vulnerable people within the “cohabitation bubble” <p>Cultural and leisure activities:</p> <ul style="list-style-type: none"> ○ 30% capacity in bingos, casinos, arcades, children's indoor play areas, local festivals ○ 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors ○ 50 % capacity in children’s playgrounds <p>Shops and shopping centres:</p> <ul style="list-style-type: none"> ○ 30% capacity. Opened from 6:00 h to 21:00 h, including weekends <p>Religious acts:</p> <ul style="list-style-type: none"> ○ 30% capacity, maximum of 500 people indoors, 1000 people outdoors <p>Sports:</p> <ul style="list-style-type: none"> ○ 50% capacity ○ All competitions allowed. Professional football and basketball without public. In others, 50% public outdoors and 30% public indoors <p>Restaurants:</p> <ul style="list-style-type: none"> ○ Home delivery until 23:00 h or pick-up at the establishment until 22:00 h ○ Terraces open from 7:30 h to 17:00 h ○ 30% capacity in indoor spaces from 7:30 h to 17:00 h ○ 4 people per table and 2 m of separation between tables <p>Extracurricular and leisure activities:</p> <ul style="list-style-type: none"> ○ All activities re-opened, groups of <6 people or those maintaining the bubble group. ○ Scholar trips allowed. <p>Education:</p> <ul style="list-style-type: none"> ○ Opened: schools and institutes ○ Reduction of on-site activities: baccalaureate, training courses and regulated general education courses ○ Universities: 30% of on-site teaching <p>Companies:</p> <ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs <p>Lockdown:</p>

		<ul style="list-style-type: none"> ○ Forbidden to enter or leave Catalunya without justified motivation ○ Night-time confinement, from 22:00 h to 6:00 h, except from justified needs
	<p>09-05-2021 De-escalation</p>	<ul style="list-style-type: none"> • Mobility allowed throughout Spain • Social activities: <ul style="list-style-type: none"> ○ Meetings of < 6 people ○ Indoor meetings restricted and limited visits to dependent or vulnerable people within the “cohabitation bubble” • Cultural and leisure activities: <ul style="list-style-type: none"> ○ 30% capacity in bingos, casinos, arcades, children's indoor play areas, local festivals and amusement parks ○ 50% capacity in cinemas, theatres, auditoriums, concert halls, museums, libraries and exposition halls. 500 people limit indoors, 1000 people limit outdoors ○ 50 % capacity in children’s playgrounds • Shops and shopping centres: <ul style="list-style-type: none"> ○ Opened until 22:00 h ○ Opened from 6:00h to 23:00h, convenience stores • Religious acts: <ul style="list-style-type: none"> ○ 50% capacity, maximum of 500 people indoors, 1000 people outdoors • Sports: <ul style="list-style-type: none"> ○ 50% capacity ○ All competitions allowed. Professional football and basketball without public. In others, 50% public • Restaurants: <ul style="list-style-type: none"> ○ Terraces open from 7:30 h to 23:00 h ○ 30% capacity in indoor spaces from 7:30 h to 23:00 h ○ 4 people per table and 2 m of separation between tables • Extracurricular and leisure activities: <ul style="list-style-type: none"> ○ All activities re-opened, groups of <6 people or those maintaining the bubble group. ○ Scholar trips allowed. • Education: <ul style="list-style-type: none"> ○ Opened: schools and institutes ○ Reduction of on-site activities: training courses and regulated general education courses ○ Universities: 30% of on-site teaching • Companies: <ul style="list-style-type: none"> ○ Promotion of telework ○ Suspended: congresses, conventions and fairs. Except for previous authorization