

## **Impact of Singing on Mental Health**

### **Depression and Anxiety:**

1. Neumann, I.D., & Landgraf, R. (2012). Balance of brain oxytocin and vasopressin: implications for anxiety, depression, and social behaviors. *Trends in Neurosciences* 35(11), 649-659. <https://doi.org/10.1016/j.tins.2012.08.004>
2. Clift, S., Hancox, G., Staricoff, R., & Whitmore, C. (2008). *Singing and health: A systematic mapping and review of non-clinical research*. Canterbury: Canterbury Christ Church University. <http://www.artshealthresources.org.uk/docs/singing-health-a-systematic-mapping-review-of-non-clinical-research/>

### **Psychological Well Being:**

3. Clift, S., Hancox, G., Morrison, I., Hess, B., Kreutz, G., & Stewart, D. (2010). Choral singing and psychological wellbeing: Quantitative and qualitative findings from English choirs in a cross-national survey. *Journal of Applied Arts & Health* 1(1), 19-34. <https://doi.org/10.1386/jaah.1.1.19/1>
4. Clift, S., Manship, S. & Stephens, L. (2017). Further evidence that singing fosters mental health and wellbeing: the West Kent and Medway project. *Mental Health and Social Inclusion* 21(1), 53-62. <https://doi.org/10.1108/MHSI-11-2016-0034>
5. Stewart, N.A.J., & Lonsdale, A.J. (2016). It's better together: The psychological benefits of singing in a choir. *Psychology of Music* 44(6). <https://doi.org/10.1177/0305735615624976>
6. Sanal, A.M., & Gorsev, S. (2013). Psychological and physiological effects of singing in a choir. *Psychology of Music* 42(3). <https://doi.org/10.1177/0305735613477181>

### **Mood and Stress:**

7. Fancourt, D., Williamon, A., Carvalho, L.A., Steptoe, A., Dow, R., & Lewis, I. (2016). Singing modulates mood, stress, cortisol, cytokine and neuropeptide activity in cancer patients and carers. *Ecancer medical science* 10:631. <https://doi.org/10.3332/ecancer.2016.631>
8. Schladt, T.M., Nordmann, G.C., Emilius, R., Kudielka, B.M., de Jong, T.R., & Neumann, I.D. (2017). Choir versus Solo Singing: Effects on Mood, and Salivary Oxytocin and Cortisol Concentrations. *Frontiers in Human Neuroscience* 11, 430. <https://doi.org/10.3389/fnhum.2017.00430>

### **Aggressive behaviour:**

9. Seo, D., Patrick, C.J., & Kennealy, P.J. (2008). Role of serotonin and dopamine system interactions in the neurobiology of impulsive aggression and its comorbidity with other clinical disorders. *Journal of Aggression and Violent Behavior* 13(5), 383-395. <https://doi.org/10.1016/j.avb.2008.06.003>
10. Choi, A., Lee, M.S., & Lee, J. (2010). Group Music Intervention Reduces Aggression and Improves Self-Esteem in Children with Highly Aggressive Behavior: A Pilot Controlled Trial. *Evidence-Based Complementary and Alternative Medicine* 7. <https://doi.org/10.1093/ecam/nem182>

### **Immune system:**

11. Kreutz, G., Bongard, S., Rohrmann, S., Hodapp, V., & Grebe, D. (2004). Effects of Choir Singing or Listening on Secretory Immunoglobulin A, Cortisol, and Emotional State. *Journal of Behavioral Medicine* 27, 623-635. <https://doi.org/10.1007/s10865-004-0006-9>

## **Impact of Singing on Social Bonding and Social Capital**

### **Social capital:**

12. Langston, T. (2011). It is a life support, isn't it? Social capital in a community choir. *International Journal of Community Music* 4(2), 163-184.

[https://doi.org/10.1386/ijcm.4.2.163\\_1](https://doi.org/10.1386/ijcm.4.2.163_1)

13. Langston, T.W., & Barrett, M.S. (2008). Capitalizing on community music: a case study of the manifestation of social capital in a community choir. *Research Studies in Music Education* 30(2), 118-138. <https://doi.org/10.1177/1321103X08097503>

14. Jones, P.M. (2010). Developing social capital: a role for music education and community music in fostering civic engagement and intercultural understanding. *International Journal of Community Music* 3(2), 291-302. [https://doi.org/10.1386/ijcm.3.2.291\\_1](https://doi.org/10.1386/ijcm.3.2.291_1)

### **Social bonding:**

15. Weinstein, D., Launay, J., Pearce, E., Dunbar, R.I.M., & Stewart, L. (2016). Singing and social bonding: changes in connectivity and pain threshold as a function of group size. *Evolution & Human Behavior* 37(2), 152-158.

<https://doi.org/10.1016/j.evolhumbehav.2015.10.002>

16. Pearce, E., Launay, J., & Dunbar, R.I.M. (2015). The ice-breaker effect: singing mediates fast social bonding. *Royal Society Open Science* 2(10). <https://doi.org/10.1098/rsos.150221>

17. Keeler, J.R., Roth, E.A., Neuser, B.L., Spitsbergen, J.N., Waters, D.J.M., & Vianney, J. (2015). The neurochemistry and social flow of singing: bonding and oxytocin. *Frontiers in Human Neuroscience* 9:518. <https://doi.org/10.3389/fnhum.2015.00518>

18. Kreutz, G. (2014). Does Singing Facilitate Social Bonding? *Music & Medicine* 6(2), 51-60.

### **Social Harmony:**

19. Silber, L. (2005). Bars behind bars: the impact of a women's prison choir on social harmony. *Music Education Research* 7(2), 251-271.

<https://doi.org/10.1080/14613800500169811>

## **Impact of Singing on Social Skills and Confidence**

### **Trust and cooperation:**

**20.** Anshel, A., & Kipper, D.A. (1988). The Influence of Group Singing on Trust and Cooperation. *Journal of Music Therapy* 25(3), 145-155.

<https://doi.org/10.1093/jmt/25.3.145>

**21.** Cohen, M.L. (2009). Choral Singing and Prison Inmates: Influences of Performing in a Prison Choir. *The Journal of Correctional Education* 60(1), 52-65.

<https://www.jstor.org/stable/23282774?seq=1>

**22.** Cohen, M.L. (2009). Conductors' perspectives of Kansas prison choirs. *International Journal of Community Music* 1(3), 319-333. [https://doi.org/10.1386/ijcm.1.3.319\\_1](https://doi.org/10.1386/ijcm.1.3.319_1)

### **Worthiness and competence:**

**23.** Cohen, M.L. (2012). Harmony within the walls: Perceptions of worthiness and competence in a community prison choir. *International Journal of Music Education* 30(1).

<https://doi.org/10.1177/0255761411431394>